

COMMITTED TO RESEARCH.
INNOVATION AND EDUCATION
YEAR

3.3.2.1: Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship and skills development year wise during last five years

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Principal

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Gandinet, Hyderabad-500 075.

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### INSTITUTION'S INNOVATION COUNCIL

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

SESSION ON IDENTIFYING INTELLECTUAL PROPERTY COMPONENT AT THE EARLY STAGE OF INNOVATION

OVERVIEW		
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:	
NA	Foster creativity and innovation, promote entrepreneurship and enhance socio-economic & cultural development.	
Academic Year:	Program driven by:	
2020-21	IIC Calendar Activity	
Month:	Program /Activity Name:	
December	Session on identifying Intellectual Property component at the early stage of Innovation	
Program Type:	Other:	
Other	Lecture	
Program Theme:	Other:	
IPR	NA	
Date & Duration (Days):	External Participants, If any:	
11/13/2020-11/13/2020-0	null	

Student Participants:	Faculty Participants:
465	22
Expenditure Amount, If any:	Remark:
null	NA
ATTACHMENTS	

NA

Photograph2: NA

Video:

Photograph1:

Session plan, If any: NA





### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

ONE DAY WORK ENTREPRENEURSHIP AND INNOVATION AS CAREER OPPORTUNITY

OVERVIEW		
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:	
To instil sense of innovation and importance of entrepreneurship and critical thinking for young engineers.	The seminar has been attended by the students of biotechnology, chemical, mechanical and production departments. Over 300 students have gathered in the assembly hall. Dr.P.Ravinder Reddy sir addressed the gathering and spoke about the types of innovation	
Academic Year:	Program driven by:	
2019-20	Self-driven Activity	
Month:	Program /Activity Name:	
September	EVE352	
Program Type:	Other:	
Workshop	NA	
Program Theme:	Other:	
Innovation	NA	
Date & Duration (Days):	External Participants, If any:	

09/25/2019-09/25/2019-0	-
Student Participants:	Faculty Participants:
350	15
Expenditure Amount, If any:	Remark:
-	NA

### **ATTACHMENTS**

Video: NA

Photograph1:



Photograph2: /uploads/institutes/mic/images/events/institutes/presentation/IC201810509\_EVE352\_Photograp

Session plan, https://api.mic.gov.in/uploads/institutes/mic/NA

If any:





### INSTITUTION'S INNOVATION COUNCIL

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

ORIENTATION SESSION ON NATIONAL INNOVATION AND STARTUP POLICY (NISP)

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
To give a thorough explanation on the frameworks of the National Innovation and Start up Policy	Providing students with well conceived policy interventions, innovative and entrepreneurial environments which will lead to vibrant & conducive ideas.
Academic Year:	Program driven by:
2020-21	IIC Calendar Activity
Month:	Program /Activity Name:
December	Orientation Session on National Innovation and Startup Policy (NISP)
Program Type:	Other:
Other	Orientation Session
Program Theme:	Other:
Startup	NA
Date & Duration (Days):	External Participants, If any:
11/13/2020-11/13/2020-0	null

Student Participants:	Faculty Participants:
487	25
Expenditure Amount, If any:	Remark:
null	NA
ATTACHMENTS	

# Video: NA Photograph1: Photograph2: NA Session plan, If any: NA





### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

APPLIED RESEARCH AND INNOVATION

OVERVIEW		
Benefit in terms of learning/Skill/Knowledge obtained:		
Gives an in depth understanding of the importance of Research, Innovation and special emphasis on Applied research and Experimental development.		
Program driven by:		
Self-driven Activity		
Program /Activity Name:		
Applied Research and Innovation		
Other:		
null		
Other:		
null		
External Participants, If any:		
null		

Student Participants:	Faculty Participants:
203	19
Expenditure Amount, If any:	Remark:
null	null
ATTACHMENTS	

Video: null

Photograph1:



Photograph2: NA

Session plan, If any: NA





### INSTITUTION'S INNOVATION COUNCIL

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

IDEA/ POC PITCHING & VALIDATION AND INSTITUTE LEVEL POC COMPETITION. SUBMISSION OF IDEA/POC ON IIC PORTAL

OVERVIEW		
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:	
NA IN	Helps students get an understanding of how pitching an Idea/PoC usually happens, also helps them with critical thinking and designing capabilities.	
Academic Year:	Program driven by:	
2020-21	IIC Calendar Activity	
Month:	Program /Activity Name:	
December	Idea/ PoC pitching & Distributed and Institute level PoC competition. Submission of Idea/PoC on IIC Portal	
Program Type:	Other:	
Other	Pitching Ideas/PoCs	
Program Theme:	Other:	
Design Thinking & Critical Thinking	NA	
Date & Duration (Days):	External Participants, If any:	

12/24/2020-12/24/2020-0	null
Student Participants:	Faculty Participants:
35	14
Expenditure Amount, If any:	Remark:
null	NA

ATTACI	HMENTS
Video:	NA
Photograph1:	
Photograph2:	NA
Session plan, If any:	NA





### INSTITUTION'S INNOVATION COUNCIL

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

ORIENTATION SESSION ON NATIONAL EDUCATION POLICY (WITH A FOCUS ON INNOVATION AND ENTREPRENEURSHIP

OVER	VIEW
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	Gives a brief understanding of the National Education Policy with special emphasis on Entrepreneurship and Innovation
Academic Year:	Program driven by:
2020-21	IIC Calendar Activity
Month:	Program /Activity Name:
September	Orientation Session on National Education Policy (with a focus on Innovation and entrepreneurship
Program Type:	Other:
Other	Orientation Session
Program Theme:	Other:
Entrepreneurship	null
Date & Duration (Days):	External Participants, If any:
01/06/2021-01/06/2021-0	null

Student Participants:	Faculty Participants:
386	20
Expenditure Amount, If any:	Remark:
null	null

	ATTACHMENTS
Video:	null
Photograph1:	
Photograph2:	NA
Session plan, If any:	NA





### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

WORKSHOP ON DESIGN THINKING, CRITICAL THINKING AND INNOVATION DESIGN

OVER	VIEW
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	The thought process that a student must possess, the simplicity of everything, tips on how to develop critical thinking and innovation design.
Academic Year:	Program driven by:
2020-21 (Mini	IIC Calendar Activity
Month:	Program /Activity Name:
December	Workshop on Design Thinking, Critical thinking and Innovation Design
Program Type:	Other:
Workshop	NA
Program Theme:	Other:
Design Thinking & Critical Thinking	NA
Date & Duration (Days):	External Participants, If any:
12/28/2020-12/28/2020-0	null

Student Participants:	Faculty Participants:
507	25
Expenditure Amount, If any:	Remark:
null	NA

ATTAC	HMENTS
Video:	NA
Photograph1:	
Photograph2:	NA
Session plan, If any:	NA





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# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

MY STORY - MOTIVATIONAL SESSION BY SUCCESSFUL INNOVATORS

VIEW
Benefit in terms of learning/Skill/Knowledge obtained:
The students have been motivated to be more unique, creative and innovative with their designs in order to be more successful.
Program driven by:
IIC Calendar Activity
Program /Activity Name:
My Story - Motivational Session by Successful Innovators
Other:
NA
Other:
NA
External Participants, If any:
null

Student Participants:	Faculty Participants:
472	24
Expenditure Amount, If any:	Remark:
null	NA

ATTACHMENTS	
Video:	NA
Photograph1:	
Photograph2:	NA
Session plan, If any:	NA





### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

MY STORY - MOTIVATIONAL SESSION BY SUCCESSFUL ENTREPRENEUR/STARTUP FOUNDER.

OVER	VIEW
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	The importance of setting goals, and having the passion to work hard and achieve them. The role of goals in achieving something great in life.
Academic Year:	Program driven by:
2020-21	IIC Calendar Activity
Month:	Program /Activity Name:
September	My Story - Motivational Session by Successful Entrepreneur/Startup founder.
Program Type:	Other:
Motivation Speech	null
Program Theme:	Other:
Entrepreneurship	null
Date & Duration (Days):	External Participants, If any:
01/29/2021-01/29/2021-0	null

Student Participants:	Faculty Participants:
403	18
Expenditure Amount, If any:	Remark:

ATTACHMENTS	
Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/2102-IC201810509.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/5778-IC201810509.jpg





### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

ENTREPRENEURSHIP AS A CAREER

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	• Definition of Entrepreneurship and Entrepreneur. • It is one of which is to most efficiently define what entrepreneurship is.
Academic Year:	Program driven by:
2020-21 (Min	Self-driven Activity
Month:	Program /Activity Name:
September	Entrepreneurship as a career
Program Type:	Other:
Motivation Speech	null
Program Theme:	Other:
Entrepreneurship	null
Date & Duration (Days):	External Participants, If any:
09/09/2020-09/09/2020-0	null
Student Participants:	Faculty Participants:

100	10
Expenditure Amount, If any:	Remark:
null	null
ATTACHMENTS	
Video:	null
Photograph1:	What is Entreprime in hip?
Photograph2:	NA
Session plan, If any:	NA
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### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

S.W.O.T. ANALYSIS AND ITS IMPORTANCE

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	• Importance of S.W.O.T and Johari Window in evaluating something. • Understanding the importance of development.
Academic Year:	Program driven by:
2020-21 (Min	Self-driven Activity
Month:	Program /Activity Name:
September	S.W.O.T. Analysis and its importance
Program Type:	Other:
Workshop	null
Program Theme:	Other:
R&D and Innovation	null
Date & Duration (Days):	External Participants, If any:
09/14/2020-09/14/2020-0	null
Student Participants:	Faculty Participants:

100	10
Expenditure Amount, If any:	Remark:
null	null
nuii 	nuii

ATTACHMENTS	
Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/6821-IC201810509.jpeg
Session plan, If any:	NA .





### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

**LOGISTICS, HRM & ANALYTICS** 

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	• Importance of skill mapping. • Companies who are seeking long term growth tend to invest in tenured employees in order to retain them
Academic Year:	Program driven by:
2020-21 (Min	Self-driven Activity
Month:	Program /Activity Name:
October	Logistics, HRM & Analytics
Program Type:	Other:
Leadership Talk	null
Program Theme:	Other:
Incubation and Pre Incubation	null
Date & Duration (Days):	External Participants, If any:
10/08/2020-10/08/2020-0	null
Student Participants:	Faculty Participants:

155	14
Expenditure Amount, If any:	Remark:
null	null

ATTACHMENTS	
Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/1259-IC201810509.jpeg
Session plan, If any:	NA





### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

**INTERNET OF THINGS** 

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	• Emergent of IoT and its development. • Connection between hardware and software components which could easily be accessed.
Academic Year:	Program driven by:
2020-21 (Min	Self-driven Activity
Month:	Program /Activity Name:
October	Internet of Things
Program Type:	Other:
Leadership Talk	null
Program Theme:	Other:
R&D and Innovation	null
Date & Duration (Days):	External Participants, If any:
10/20/2020-10/20/2020-0	null
Student Participants:	Faculty Participants:

249	19
Expenditure Amount, If any:	Remark:
null	null

ATTACHMENTS	
Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/3054-IC201810509.jpeg
Session plan, If any:	NA .





### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

**BLOCK CHAIN TECHNOLOGY** 

OVER	EVIEW
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	? Understanding a block chain and digital ledger ? Understanding the evolving capacity of block chain beyond bitcoin ?
Academic Year:	Program driven by:
2020-21 (Min	Self-driven Activity
Month:	Program /Activity Name:
October	Block Chain Technology
Program Type:	Other:
Leadership Talk	null
Program Theme:	Other:
R&D and Innovation	null
Date & Duration (Days):	External Participants, If any:
10/22/2020-10/22/2020-0	null
Student Participants:	Faculty Participants:

Remark:	
null	
ATTACHMENTS	
null	
MEDICAL MARKET	
NA	
NA	
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### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

AR & VR TECHNOLOGY

OVER	VIEW
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	creating awareness and building an VR/AR community? Understood why AR and VR were considered to be disruptive technologies.
Academic Year:	Program driven by:
2020-21 (Min	Self-driven Activity
Month:	Program /Activity Name:
November	AR & VR technology
Program Type:	Other:
Leadership Talk	null
Program Theme:	Other:
R&D and Innovation	null
Date & Duration (Days):	External Participants, If any:
11/07/2020-11/07/2020-0	null
Student Participants:	Faculty Participants:

176	9
Expenditure Amount, If any:	Remark:
null	null
ATTACHMENTS	
Video:	null
Photograph1:	The second secon
Photograph2:	NA
Session plan, If any:	NA
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### INSTITUTION'S INNOVATION COUNCIL

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SOCIAL ENTREPRENEURSHIP (B2B & B2B2C)

OVERVIEW	
Benefit in terms of learning/Skill/Knowledge obtained:	
• The speaker has emphasised on the importance of an educational institution in imparting the various thought processes into the minds of students.	
Program driven by:	
Self-driven Activity	
Program /Activity Name:	
Social Entrepreneurship (B2B & B2B2C)	
Other:	
null	
Other:	
null	
External Participants, If any:	
null	

Student Participants:	Faculty Participants:
120	10
Expenditure Amount, If any:	Remark:
null	null

ATTACHMENTS	
Video:	null
Photograph1:	
Photograph2:	NA
Session plan, If any:	NA





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# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

**BUILDING COMPETITIVE BRAND** 

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	• Employee as a stakeholder. • Importance of word-of-mouth. • Customer satisfaction. • Business Plan
Academic Year:	Program driven by:
2020-21 (Min	Self-driven Activity
Month:	Program /Activity Name:
September	Building competitive brand
Program Type:	Other:
Motivation Speech	null
Program Theme:	Other:
Startup	null
Date & Duration (Days):	External Participants, If any:
09/26/2020-09/26/2020-0	null
Student Participants:	Faculty Participants:

153	21
Expenditure Amount, If any:	Remark:
null	null

ATTACHMENTS	
Video:	null
Photograph1:	
Photograph2:	NA
Session plan, If any:	NA





#### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

**CREATIVITY & INNOVATION** 

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	• Creativity and innovation. • How are they important for a business. • Importance of creative score and innovation score.
Academic Year:	Program driven by:
2020-21 (Mini	Self-driven Activity
Month:	Program /Activity Name:
October	Creativity & Innovation
Program Type:	Other:
Leadership Talk	null
Program Theme:	Other:
R&D and Innovation	null
Date & Duration (Days):	External Participants, If any:
10/10/2020-10/10/2020-0	null
Student Participants:	Faculty Participants:

201	8
Expenditure Amount, If any:	Remark:
null	null
ATTACH	HMENTS
Video:	null
Photograph1:	Capacity to Innavate?
Photograph2:	NA
Session plan, If any:	NA
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### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

**KNOWING THE FUND-IN-G(AME)** 

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	How to bootstrap your own startup using your own revenue to operate and expand.
Academic Year:	Program driven by:
2020-21	Self-driven Activity
Month:	Program /Activity Name:
December	Knowing the FUND-IN-G(AME)
Program Type:	Other:
Motivation Speech	null
Program Theme:	Other:
Startup	null
Date & Duration (Days):	External Participants, If any:
12/23/2020-12/23/2020-0	null
Student Participants:	Faculty Participants:

241	22
Expenditure Amount, If any:	Remark:
null	null
ATTACH	HMENTS
Video:	null
Photograph1:	The half (James Park Andrew Strong Ref Stron
Photograph2:	NA
Session plan, If any:	NA
This report is electronically generated against report	submitted on Institution's Innovation Council Portal.





#### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

**BUSINESS COMMUNICATIONS** 

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	? understood the types of communication( verbal communication{ oral and written} non verbal communication{voice,eye contact,posture,movement,gestures)
Academic Year:	Program driven by:
2020-21	Self-driven Activity
Month:	Program /Activity Name:
November	Business communications
Program Type:	Other:
Workshop	null
Program Theme:	Other:
Other	soft skills
Date & Duration (Days):	External Participants, If any:
11/09/2020-11/09/2020-0	null

Student Participants:	Faculty Participants:
237	19
Expenditure Amount, If any:	Remark:
null	null
ATTACHMENTS	

ATTACHMENTS	
Video:	null
Photograph1:	OTHER TRANS
Photograph2:	NA
Session plan, If any:	NA





### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

**COPYRIGHTS IN INDIA - CREATE & PROTECT IP PARTNERS** 

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	Students learnt the stepwise process of writing a copyright and the importance of IPR in Indian business ecosystem.
Academic Year:	Program driven by:
2020-21 (Min	Self-driven Activity
Month:	Program /Activity Name:
November	Copyrights in India - Create & Protect IP Partners
Program Type:	Other:
Other	WEBINAR
Program Theme:	Other:
IPR	null
Date & Duration (Days):	External Participants, If any:
11/20/2020-11/20/2020-0	null
Student Participants:	Faculty Participants:

200	50
Expenditure Amount, If any:	Remark:
null	null
ATTACHMENTS	
Video:	null
Photograph1:	Planage for all transports
Photograph2:	NA
Session plan, If any:	NA
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### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

#### **HACKTOBERFEST**

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	Students worked in teams to solve real time problem statements
Academic Year:	Program driven by:
2020-21	Self-driven Activity
Month:	Program /Activity Name:
October	Hacktoberfest
Program Type:	Other:
Workshop	null
Program Theme:	Other:
R&D and Innovation	null
Date & Duration (Days):	External Participants, If any:
10/30/2020-10/31/2020-1	null
Student Participants:	Faculty Participants:

175	25
Expenditure Amount, If any:	Remark:
null	null

ATTACHMENTS	
Video:	null
Photograph1:	
Photograph2:	NA
Session plan, If any:	NA





#### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

INNOVATION, INCUBATION & ENTREPRENEURSHIP AS A CAREER

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	The interactive session covered the aspects on innovations, incubation and entrepreneurship opportunities with respect to career development.
Academic Year:	Program driven by:
2020-21 (Min	Self-driven Activity
Month:	Program /Activity Name:
November	Innovation, Incubation & Entrepreneurship as a career
Program Type:	Other:
Workshop	null
Program Theme:	Other:
R&D and Innovation	null
Date & Duration (Days):	External Participants, If any:
11/26/2020-11/26/2020-0	null

Student Participants:	Faculty Participants:
110	25
Expenditure Amount, If any:	Remark:
null	null

ATTACHMENTS	
Video:	null
Photograph1:	The second secon
Photograph2:	NA
Session plan, If any:	NA





#### INSTITUTION'S INNOVATION COUNCIL

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

WORKSHOP ON INTELLECTUAL PROPERTY RIGHTS (IPRS) AND IP MANAGEMENT FOR START UP

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
To provide students with a hands-on workshop on Patents, Copyrights and Trademarks.	The practical knowledge about patents and copyrights shared by the resource person helped students, faculty and the young enthusiastic researchers.
Academic Year:	Program driven by:
2020-21	IIC Calendar Activity
Month:	Program /Activity Name:
March	Workshop on Intellectual Property Rights (IPRs) and IP management for start up
Program Type:	Other:
Workshop	null
Program Theme:	Other:
IPR	NA
Date & Duration (Days):	External Participants, If any:

null	null
Expenditure Amount, If any:	Remark:
284	12
Student Participants:	Faculty Participants:
07/17/2021-07/17/2021-0	null

ATTACHMENTS	
Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/9234-IC201810509.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/9458-IC201810509.pdf





#### INSTITUTION'S INNOVATION COUNCIL

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

SESSION/ WORKSHOP ON BUSINESS MODEL CANVAS (BMC)

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
To give an overview of business model canvas to young entrepreneurs.	Developed basic understanding of value propositions, customer relationships, revenue streams, key activities and resources.
Academic Year:	Program driven by:
2020-21 (Mini	IIC Calendar Activity
Month:	Program /Activity Name:
March	Session/ Workshop on Business Model Canvas (BMC)
Program Type:	Other:
Workshop	null
Program Theme:	Other:
Startup	NA
Date & Duration (Days):	External Participants, If any:
07/22/2021-07/22/2021-0	null
	2 , 2

Student Participants:	Faculty Participants:
150	5
Expenditure Amount, If any:	Remark:
null	null

ATTACHMENTS	
Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/3976-IC201810509.jpeg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/5825-IC201810509.pdf





#### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

TALK ON "FROM YOUR PH.D./ MASTERS THESIS TO A START-UP

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
Importance of Ph.D or Masters degree in setting up a start-up.	Research and Teaching is only an option after being awarded PhD and highlighted the skills of entrepreneurship that a research scholar must possess.
Academic Year:	Program driven by:
2020-21	MIC driven Activity
Month:	Program /Activity Name:
April	talk on "From your Ph.D./ Masters Thesis to a start-up
Program Type:	Other:
Leadership Talk	NA
Program Theme:	Other:
Startup	NA
Date & Duration (Days):	External Participants, If any:
04/23/2021-04/23/2021-0	null

Student Participants:	Faculty Participants:
276	17
Expenditure Amount, If any:	Remark:
null	NA

ATTACHMENTS	
Video:	https://youtu.be/bS-0WbeLzFc
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/2480-IC201810509.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyRep ort/report/3913-IC201810509.pdf





#### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

SESSION ON WHY IP IS IMPORTANT IN ACADEMIA?

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
To understand importance of IP in academia.	With the increasing focus on innovation and research, need to learn about IPRs to safeguard their inventions has increased among students.
Academic Year:	Program driven by:
2020-21 (Min	MIC driven Activity
Month:	Program /Activity Name:
April	Session on Why IP is important in academia?
Program Type:	Other:
Leadership Talk	NA
Program Theme:	Other:
IPR	NA
Date & Duration (Days):	External Participants, If any:
04/26/2021-04/26/2021-0	null
Student Participants:	Faculty Participants:

246	21
Expenditure Amount, If any:	Remark:
null	NA

ATTACHMENTS	
Video:	https://youtu.be/g1LIKtOVRRw
Photograph1:	STATE OF THE PARTY
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/8310-IC201810509.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/6159-IC201810509.pdf





#### INSTITUTION'S INNOVATION COUNCIL

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

SESSION ON ANGEL INVESTMENT/VC FUNDING OPPORTUNITY FOR EARLY STAGE ENTREPRENEURS.

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
Funding opportunities for an early stage Entrepreneur.	Opportunities of funding at various stages the participants could understand about Angel Investment and also the Venture capital funding.
Academic Year:	Program driven by:
2020-21	IIC Calendar Activity
Month:	Program /Activity Name:
June	Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs.
Program Type:	Other:
Motivation Speech	null
Program Theme:	Other:
Entrepreneurship	NA
Date & Duration (Days):	External Participants, If any:
07/24/2021-07/24/2021-0	null

Student Participants:	Faculty Participants:
100	4
Expenditure Amount, If any:	Remark:
null	null

ATTACHMENTS	
Video:	null
Photograph1:	All the second s
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/6085-IC201810509.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/4628-IC201810509.pdf





#### INSTITUTION'S INNOVATION COUNCIL

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

SESSION ON PROTOTYPE VALIDATION - CONVERTING PROTOTYPE INTO A START-UP

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
To learn to convert prototype to startup.	TO learn types of prototyping, lean product validation process and prototyping based Methodology.
Academic Year:	Program driven by:
2020-21 (Mini	IIC Calendar Activity
Month:	Program /Activity Name:
June	Session on Prototype Validation - Converting Prototype into a Start-up
Program Type:	Other:
Motivation Speech	null
Program Theme:	Other:
Startup	NA
Date & Duration (Days):	External Participants, If any:
07/22/2021-07/22/2021-0	null

Student Participants:	Faculty Participants:
100	8
Expenditure Amount, If any:	Remark:
null	null

ATTACHMENTS	
Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/6875-IC201810509.jpeg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/4716-IC201810509.pdf





### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

BEING INNOVATIVE IN AN ENTREPRENEURIAL JOURNEY

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
Importance of being Innovative in an Entrepreneurial Journey	and the Action plans for an entrepreneurial journey.
Academic Year:	Program driven by:
2020-21	Self-driven Activity
Month:	Program /Activity Name:
May	Being Innovative in an Entrepreneurial Journey
Program Type:	Other:
Leadership Talk	null
Program Theme:	Other:
Entrepreneurship	NA
Date & Duration (Days):	External Participants, If any:
05/28/2021-05/28/2021-0	null
Student Participants:	Faculty Participants:

134	5
Expenditure Amount, If any:	Remark:
null	null

ATTACHMENTS	
Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/5702-IC201810509.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/1090-IC201810509.pdf





#### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

ENTREPRENEURSHIP FOR LIFE SCIENCES

OVERVIEW	
Benefit in terms of learning/Skill/Knowledge obtained:	
Participants were able to learn about innovation and commercialization in the various fields of life sciences. The speaker emphasised on COVID aspect.	
Program driven by:	
Self-driven Activity	
Program /Activity Name:	
Entrepreneurship for life sciences	
Other:	
null	
Other:	
NA	
External Participants, If any:	
null	

Student Participants:	Faculty Participants:
87	5
Expenditure Amount, If any:	Remark:
null	null

ATTACHMENTS	
Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/5681-IC201810509.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyRep ort/report/9059-IC201810509.pdf





### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

TALK ON IPR AWARENESS, COPYRIGHTS DRAFTING AND FILING

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
IPR Awareness, Copy right procedure, drafting and filing with Examples.	More orientation and facilities for protecting intellectual powers are to be provided to students and faculties to motivate them to file more patents.
Academic Year:	Program driven by:
2020-21 (Mini	Self-driven Activity
Month:	Program /Activity Name:
April	Talk on IPR awareness, copyrights drafting and filing
Program Type:	Other:
Motivation Speech	NA
Program Theme:	Other:
IPR	NA
Date & Duration (Days):	External Participants, If any:
04/02/2021-04/02/2021-0	null

Student Participants:	Faculty Participants:
113	7
Expenditure Amount, If any:	Remark:

### **ATTACHMENTS**

**Video:** https://drive.google.com/file/d/14VenmFKAANMc2M\_eSddADCHOgs1Zp4W7/view?usp=sha

Photograph1:



**Photograph2:** /uploads/institutes/monthlyReport/Photograph2/9725-IC201810509.png

**Session plan,** https://api.mic.gov.in/uploads/institutes/monthlyReport/report/5316-IC201810509.pdf **If any:** 





#### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

HEADSTART IDEATHON CONTEST UNDER IIC INNOVATION AND INCUBATION PROGRAM

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
New Innovative Ideas which provide Solutions for real world problems	Helps students to find an innovative solution to the problem and also to improve the skills to present their ideas for startups and businesses.
Academic Year:	Program driven by:
2020-21	Self-driven Activity
Month:	Program /Activity Name:
March	Headstart Ideathon contest under IIC innovation and incubation program
Program Type:	Other:
Other	Competition
Program Theme:	Other:
Incubation and Pre Incubation	NA
Date & Duration (Days):	External Participants, If any:
03/03/2021-03/03/2021-0	null

Student Participants:	Faculty Participants:
25	3
Expenditure Amount, If any:	Remark:
null	NA

	ATTACHMENTS
Video:	: https://drive.google.com/folderview?id=1eTJoQ1HzL7jBs2y
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/3501-IC201
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/repo





#### INSTITUTION'S INNOVATION COUNCIL

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

#### PROTOTYPE PRESENTATION COMPETITION

### **OVERVIEW Objective:** Benefit in terms of learning/Skill/Knowledge obtained: Business incubation Program and Startup This provided a platform to come and see challenges using skills with the help of proto different projects in different domains and gain knowledge and take guidance to solve real world types. problems. Academic Year: Program driven by: 2020-21 Self-driven Activity Month: **Program / Activity Name:** Prototype presentation competition March **Program Type:** Other: Other Competition **Program Theme:** Other: Design Thinking & Critical Thinking NA **Date & Duration (Days): External Participants, If any:** 03/03/2021-03/03/2021-0 null

Student Participants:	Faculty Participants:
40	2
Expenditure Amount, If any:	Remark:

### **ATTACHMENTS**

**Video:** https://drive.google.com/file/d/16jSHjBfgScZUMb3oOTA872ed\_2C3fTjx/view?usp=sharing

**Photograph1:** 



Photograph2: NA

**Session plan,** https://api.mic.gov.in/uploads/institutes/monthlyReport/report/8970-IC201810509.pdf **If any:** 





#### INSTITUTION'S INNOVATION COUNCIL

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

SESSION ON INNOVATION USING PROGRAMMING SKILLS TO SOLVE REAL WORLD PROBLEMS

OVERVIEW	
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
Innovative Solutions for real world problems using problem solving and programming.	Event improves the students to think for innovative solutions to problems to start their own startups and other business in their careers.
Academic Year:	Program driven by:
2020-21	Self-driven Activity
Month:	Program /Activity Name:
March	Session on innovation using programming skills to solve real world problems
Program Type:	Other:
Workshop	null
Program Theme:	Other:
R&D and Innovation	NA
Date & Duration (Days):	External Participants, If any:
03/04/2021-03/04/2021-0	null

Faculty Participants:
4
Remark:
null
1

	ATTACHMENTS
Video:	https://drive.google.com/folderview?id=10wsSZQRlt6wGsg
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/8429-IC201
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/repo
This report is electronically generated	against report submitted on Institution's Innovation Council Portal.





### **MOE'S INNOVATION CELL**

#### INSTITUTION'S INNOVATION COUNCIL

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

INNOVATION IN USER INTERFACES FOR WEB APPLICATIONS COMPETITION CONDUCTED BY IIC

OVERVIEW			
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:		
Design methodology for various problems using web designing issues.	Event helps the students to think for innovative design solutions to problems to start their own businesses to begin their career.		
Academic Year:	Program driven by:		
2020-21	Self-driven Activity		
Month:	Program /Activity Name:		
March	Innovation in user interfaces for web applications competition conducted by IIC		
Program Type:	Other:		
Workshop	null		
Program Theme:	Other:		
R&D and Innovation	NA		
Date & Duration (Days):	External Participants, If any:		
03/04/2021-03/04/2021-0	null		

Student Participants:	Faculty Participants:
113	2
Expenditure Amount, If any:	Remark:
	Kemai K.

### **ATTACHMENTS**

**Video:** https://drive.google.com/drive/folders/1Sd7wnrG7X8pMhzej0TIoGBKP7feqw0k7?usp=sharing

Photograph1:



Photograph2: NA

**Session plan,** https://api.mic.gov.in/uploads/institutes/monthlyReport/report/3134-IC201810509.pdf **If any:** 

This report is electronically generated against report submitted on Institution's Innovation Council Portal.





### **MOE'S INNOVATION CELL**

#### INSTITUTION'S INNOVATION COUNCIL

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

EMPOWERMENT OF WOMEN THROUGH ENTREPRENEURSHIP AND INNOVATION

OVERVIEW			
Objective:	Benefit in terms of learning/Skill/Knowledge obtained:		
Necessity for women entrepreneurship	• Challenges faced by entrepreneurs • Entrepreneurship among men and women • How women entrepreneurs are better • Necessity for women entrepreneurs.		
Academic Year:	Program driven by:		
2020-21	Self-driven Activity		
Month:	Program /Activity Name:		
February	Empowerment of women through entrepreneurship and innovation		
Program Type:	Other:		
Motivation Speech	null		
Program Theme:	Other:		
Entrepreneurship	NA		
Date & Duration (Days):	External Participants, If any:		
04/24/2021-04/24/2021-0	null		

Faculty Participants:
10
Remark:

ATTACHMENTS		
null		
/uploads/institutes/monthlyReport/Photograph2/4155-IC201810509.png		
https://api.mic.gov.in/uploads/institutes/monthlyRep ort/report/8055-IC201810509.pdf		

This report is electronically generated against report submitted on Institution's Innovation Council Portal.

#### A Report on Workshop on "Capcity building on Communication skills"

**Speaker:** B Lavanya

Assistant Professor, School of Management Studies

Chaitanya Bharathi Institute of Technology (A)-Gandipet, Hyderabad

**Date:** 4-5 Nov 2020 **Time:** 10:00AM – 4:00 PM

Mode: Off line-Telangana Social Welfare Residential School (Boys)-Shailkpet Campus

No. of participants: 30

**Organized by:** Mrs. B Lavanya, Assistant Professor, SMS-CBIT. Dr. Sharadha Venkatesh, TSWRS RCO-HRR WEST

Report by: Mrs. B Lavanya, Assistant Professor, SMS-CBIT.

SMS department of Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad in collaboration with Telangana Social Welfare Residential School-West zone has organized two days' workshop on "Capacity building programme on Communication skills" for government school teachers on 4-5th November 2020. This was conducted offline from 10:00 am to 4 pm at TSWRS(B) at Shaikpet Campus. This Workshop began with inaugural function—where the Workshop coordinators addressed the participants about the programme and its importance and also its relevance to the teaching community. Following are the topic covered in the Workshop.

- Importance of Communication skills
- Effective Listening
- Techniques for Fluent Speaking
- Effective Writing Skills
- Importance of Reading Sills
- Professional Etiquette

30 selected government school teachers are deputed for this training Programme. Sessions were well structured that participants could really carry useful information and found learning memories.

Dr.R. SHARADA, M.Sc., B.Ed., Ph.D., Regional Coordinator

TELANGANA SOCIAL WELFARE RESIDENTIAL EDUCATIONAL INSTITUTIONS SOCIETY HYDERABAD & R.R. REGION (WEST) Shaikpet, Hyderabad – 500104. Phone No.: 7337376176 E-mail:dc-hydwestswrs@telangana

### MS. LAVANYA GARU:

I would like to inform you that the Hyderabad and Ranga Reddy West Region, TSWREIS at Shaikpet, Hyderabad has decided to conduct a (2) days Capacity building on Communication Skills to the faculties of TSWR Institutions of HRR west Region on 04.11.2020 and 05.11.2020 from 10.00 AM., to 4.00 PM., at the Conference Hall, 1st Floor, O/o.the Regional Coordinator, Hyderabad and Ranga Reddy Region West, Shaikpet, Hyderabad.

In view of the above, your presence is required for (2) days i.e. on 04.11.2020 and 05.11.2020 from 10.00 AM., to 4.00 PM., as Presenter / facilitator for the benefit of the faculties who are working in TSWR Institutions of HRR West Region.

Best regards,

Yours sincerely

(PEOR SHARADADINATOR

HYD & RR WEST REGION JHAIKPET, HYDERAUAU-54

TO MS. B. LAVANYA GARU, CBIT

# A TWO DAY WORKSHOP ON "CAPACITY BUILDING ON COMMUNICATION SKILLS" organized by

## TSWREIS IN COLLABORATION WITH CBIT-School of Management Studies

### PROGRAMME SCHEDULE

Day-1 (04.11.2020)	
Programme	Resource Person
Inaugural function	
Session-1: Importance of Communication skills	Dr. R. Sharada Regional Coordinator -TSWREIS(WEST
Tea-Break	
Session-2 : Effective Listening	Smt. B Lavanya, Assistant Professor CBIT-SMS, CBIT-Hyd
Lunch Break	CDIT-5MS, CDIT-TIYU
Session-3: Grammar & Pronunciation	Mr. Srinivas Andoju, Assistant Professor Department of English, CBIT-Hyd
Tea-Break	
Session-4: Techniques of fluent Speaking	Smt. B Lavanya, CBIT-SMS, CBIT-Hyd
Concluding Remarks for the day	Dr. R. Sharada, TSWREIS(WEST)
Day-2 (05.11.2020)	
Programme	Resource Person
Session-5 : Effective Writing skills	Smt. B Lavanya, CBIT-SMS, CBIT-Hyd
Tea-Break	
Session-6: Importance of Reading	Smt. B Lavanya, CBIT-SMS, CBIT-Hyd
Lunch Break	
Professional Etiquette	Smt. B Lavanya, CBIT-SMS, CBIT-Hyd
Tea- Break	
Feedback and Valedictory Function	
	Inaugural function  Session-1: Importance of Communication skills  Tea-Break  Session-2: Effective Listening  Lunch Break  Session-3: Grammar & Pronunciation  Tea-Break  Session-4: Techniques of fluent Speaking  Concluding Remarks for the day  Day-2 (05.11.2020)  Programme  Session-5: Effective Writing skills  Tea-Break  Session-6: Importance of Reading  Lunch Break  Professional Etiquette  Tea- Break

B Lavanya -Convener-CBIT-SMS

Dr. R. Sharada-Convener-TSWREIS (WEST)
REGIONAL COORDINATOR

TSWREI SOCIETY
HYD & RR WEST REGION
KPET, HYDERABAD-500

## OFFICE OF THE REGIONAL COORDINATOR

# T.S.W.R.E.I.SOCIETY, HRR WEST REGION, SHAIKPET, HYDERABAD - 500 104

# List of Teachers Who needs improvement in Communication Skills

S.No.	Region	District	Name of the Institution	Name of the Employee	Designation	Mobile No
1	HRR WEST	Hyderabad	Shaikpet	R. Srinu	TGT (B.S)	9908882814
2	HRR WEST	Ranga Reddy	CI iii	K.Upendar	TGT (B.S)	
3	HRR WEST	Ranga Reddy	Chilkur	B.Venkateshwarlu	PGT (Maths)	1
4	HRR WEST	Ranga Reddy	Narsingi	G.Swapna	TGT(Maths)	
5	HRR WEST	Ranga Reddy	Gowlidoddi (G)	M.Bhayalatha	PGT (S.S)	6281372965
6	HRR WEST	Ranga Reddy		P.Laxmidevi,	PGT (S.S)	9182058986
7	HRR WEST	Ranga Reddy	Chevella	V.Nagalaxmi	PT (Maths)	9701305042
8	HRR WEST	Ranga Reddy		K.Arunajyothi	PGT(B.S)	9441965016
9	HRR WEST	Ranga Reddy	Shankarpally	Ch.KrishnaKumari	TGT (P.S)	7702321635
10	HRR WEST	Vikarabad		Kavitha	CRT(Maths)	95507 30867
Ū	HRR WEST	Vikarabad	Kokat	B.Nirmala	CRT(P.S)	99487 80982
12	HRR WEST	Vikarabad	Parigi	Y. Harish	TGT (Social)	9515136701
13	HRR WEST	Vikarabad	4	L.Shanker naik	PGT (Social)	9866102397
14	HRR WEST	Vikarabad	Shivareddypet	M.Machander	TGT (Science)	9441818350
15	HRR WEST	Vikarabad		R.Suma	TGT (Maths)	9398315390
16	HRR WEST	Vikarabad		D. Manjula	JL(Maths)	7993715612
17	HRR WEST	Vikarabad	Vikorobad	Ch. Durga bhavani	CRT(Chemistry)	9705330657
18	HRR WEST	Vikarabad	Vikarabad	H. Prasanna rani	TGT(P.S))	8143217815
19	HRR WEST	Vikarabad		K. Shireesha	TGT(S.S))	9849787916
20	HRR WEST	Vikarabad	Bookwaran	N.Padma	TGT (Maths)	9701438122
21	HRR WEST	Vikarabad	Bantwaram	J.Radha	TGI (Maths)	7093042826
22	HRR WEST	Vikarabad	Mandagar	M.Peebe	TGT (P.S)	
23	HRR WEST	Vikarabad	Mominpet	K.Jyothi	TGT (Maths)	

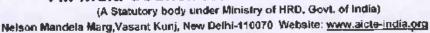
				B SAIDA NAIAK	PGT SS	9949554117
24	HRR WEST	Vikarabad			TGT P S	9492357527
25	HRR WEST	Vikarabad	Kodangal	G CHANDRAKALA	41.40.11.102	9949318805
26	HRR WEST	Vikarabad		G SRILAXMI	TGT MATHS	
5552	HRR WEST	Vikarabad		ANEES FATIMA	TGT B S	9052379090
27		Vikarabad	Peddemul	D.Subhash	PGT (Social)	7702225030
28	HRR WEST	Wilder		A.Chilakamma	TGT(P.S))	9948961046
29	HRR WEST	Vikarabad		D.Aruna	TGT(Maths)	8897131788
30	HRR WEST	Vikarabad		D.Arond	1	
					1	1

RCO

TSWREIS, HRR WEST REGION,
SHAKPET HYPERABAR 5500 104

TSWREI SOCIETY
HYD & RR WEST REGIO
SHAIKPET, HYDERABA.

### All India Council for Technical Education





STTP- Sanction Letter

Ref. No. 34-65/288/RIFD/STTP/Policy-1/2018-19

Date 10 JAN 2020

To

The Drawing and Disbursing Officer, All India Council for Technical Education, Nelson Mandela Marg, Vasant Kunj, New Delhi - 110070

Sub: Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2018-19 during the financial year 2019-20- reg.

Sir.

This is to convey the sanction of the Council for payment of Rs. 300000 /- (Rupees Three Lakh Only) for conduct of Short Term Training Program as per details given below:-

1.	Name and address of the beneficiary University / Institution	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075 RANGAREDDI-500075 Telangana
2.	Permanent ID of Institute	1-4735791
3.	Institute type	Unaided - Private
4.	Name of Coordinator	Dr. MURALI TANGIRALA
5.	Amount sanctioned	Rs. 300000/-
6	Amount to be released	Rs.300000/- Full & final payment
7.	Head of account	601.15(a) Gen. Short Term Training Programme (Plan)
8	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	REGISTRAR / DIRECTOR / PRINCIPAL
9.	Title of the programme	Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector

- The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.
- 2. This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

3. The Principal of the Institute and the Coordinator of the Program are requestively the correctness of the under-mentioned Bank Account / RTGS Detastibilities by them alongwith the proposals, in which the grant is being released:

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Number	IFSC Code
AABTC1906A	Andhra Bank	CBIT Campus, Kokapet Branch	CBIT post, Gandipet, Hyderbad	Chaitanya Bharathi Institute of Technology	Account	064311011000003	ANDB0000643

### Instructions/Guidelines to be followed by the University/Institution

### Disbursement of funds to University/Institutions

- a. The full amount of the grant sanctioned is being released as advance to the University/Institute.
- b. The amount spent by the institute on the conduct of STTP shall be adjusted on the basis of utilization certificate and detailed expenditure statement submitted by the University/Institution on the prescribed format along with other mandatory documents viz feedback form, copy of proceedings and completion report etc.
- c. The above said amount of grant shall be refunded back to AICTE if the Letter of Approval (LOA) / Extension of Approval (EOA) is not issued by AICTE to the institute for the academic year 2019-20.

#### II Maintenance of Accounts

- a. The Institute shall strictly follow the provisions laid down in the scheme document as available on the portal.
- b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
- c. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- d. The grant is intended to cover items of expenditure connected with the Short Term Training Programme such as Boarding & Lodging to the participants, TA to outstation participants, Honorarium to Course Coordinator, reading material to participants, Honorarium to resource persons, TA/DA to resource persons including two outstations resource persons & working expenses (reprographic services, postage, transport, daily wages, tea/coffee etc.

### III. Conduct of test and issuance of certificate

A test shall be conducted by Prógram Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test.

## IV. Submission of Documents by the University/Institutions to AICTE

a. The following mandatory relevant documents are required to be submitted by the University/Institution within one month of the completion of the program:-

- a. The following mandatory relevant documents are required to be submitted by the University/Institution within one month of the completion of the program:-
  - (i) Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Pinance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Format for the same is available on AICTE web portal.

The University/Institution is not required to submit-bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.

- (ii) Feedback form in the prescribed proforma.
- (iii) Copy of the proceedings and completion report.
- (iv) List of candidates who have successfully completed the program on the basis of the test conducted by Program Evaluation Committee (PEC).
- (v) Report submitted by Program Evaluation Committee (PEC).
- b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid adjusted.

#### V. General instructions

- a. Preferably 10% of the participants may be industry professionals deputed by industry. Further, not more than 2 participants shall be from the host institution/group of institutions.
- b. Money to be reimbursed on the grant (for any reasons to include unspent amount, interest, penalty if imposed) shall be refunded back to AICTE in the form of Demand Draft payable to Member Secretary, AICTE, New Delhi.
- c. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.
- d. The STTP is a residential program of a duration of six days with minimum 40 participants. The approved STTP shall be conducted within three months from the date of release of funds.
- e. If programme is not conducted in the period of three months of the issuance of this Sanction Order, the released amount, alongwith interest accrued thereon, has to be necessarily returned back to AICTE within a month.
- f. The expenditure under the Heads 'Honorarium to Course Coordinator' and 'Honorarium to Resource Persons' shall not exceed 1% & 20% respectively of the total sanctioned grant for the Programme. However, overall expenditure shall not exceed the funds sanctioned for the Programme.

- g. Any extra money required to complete the programme must be borne by the institute from their own resources. But the quality of the activities should not be compromised.
- h. Any unavoidable circumstantial change in the program with respect to name of Project Coordinator, Venue and date for organizing STTP would mandatorily require prior approval of the Council. All such requests should be addressed to AiCTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No. 34-65/288/RIFD/STTP/Policy-1/2018-19 in your future correspondence.
- i. Program Evaluation Committee (PEC) is required to be constituted at institutional level. The constitution of the PEC shall be as under:
  - (i) Principal/Director/Registrar of the institution (Chairperson).
  - (ii) Coordinator of the program (Member Secretary).
  - (iii) Two HoDs and one subject expert (members).

The members of the said PEC shall not be below the rank of Associate Professor. A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test. The minutes of the meetings, along with PEC report, are to be submitted to the Council at end of the program along with other mandatory documents.

- j. Gol GFR rules (@https://doe.gov.in/order-circular/general-financial-rules2017-0) should be followed during utilization of grant.
- k. This Sanction Order may be treated as Offer Letter for all purposes.

NOTE:- Any deviation from the above will invoke serious action against the Institute.

Yours sincerely,

(Dileep N Malkhede Advisor-I (RIFD)

Copy forwarded for information and necessary action to: -

1. Name and Address of the Coordinator
Dr. MURALI TANGIRALA
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075

HYDERABAD 500075 Telangana

2. The Registrar / Director / Principal CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075 HYDERABAD 500075 Telangana

3. Guard File





### अखिल भारतीय तकनीकी शिक्षा परिषद

(भारत सरकार का एक साविधिक निकास) मानव संवायन विकास मंत्रातव, भारत सरकार नेल्सन मंडेला सर्ग, नई दिल्ली-110067

#### ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A Statutory Body of the Govt, of India)
Ministry of Human Resource Development, Govt, of India
Nelson Mandela Marg, New Delhi-110067

Col. B. Venkat Director (FDC)

E-mail: director.fdc@aicte-india.org

Mob. No. 8130255472

25 June 2020

# Sub:-For information of AICTE approved institutes which have received grants for conducting STTP's/FDP's under AQIS 2018-19.

Sir,

This is in reference to grants released by AICTE under AQIS 2018-19 for conduct of STTP's/FDPs. It is being observed that due to present circumstances of ongoing pandemic of COVID-19, most of Institutes are facing difficulties in organizing and conducting STTP's. This office has received a number of requests from various institute to allow on line method of conducting STTP/FDP to complete their commitments.

In this regard, it is to inform that all such institutes, which have already received grants for conducting STTP's/FDPs through prevailing contact mode, are allowed to conduct STTP's through online mode subject to following conditions:

(i) The Justitute will be allowed to adjust the grants received for STTP at following rates:-

	Total for each STTP's	Rs 93000.00
d.	miscellaneous charge	Rs. 10000.00
c.	Provision for payment to lab attendant engaged during lab practices	Rs. 3000.00
b.	Honorarium to experts	Rs. 75000.00
a.	Honorarium for Coordinator	Rs. 5000.00

(ii) The Institute will conduct more than one STTP's in multiples of Rs. 93000.00 within the total grant received by it and shall return the balance unspent amount to AICTE.

e.g.

if an Institute received grant for ST		=Rs 3,00,000.00				
Cost of three STTP		3x93000= Rs. 279000.00				
Bala	ance	= Rs. 21,000.00				

The institute will return the balance unspent amount of Rs.21,000.00 alongwith interest carned on such amounts to AICTE while submitting UC for adjustment of accounts for keeping its eligibility for receiving grants in next AQIS.



- (iii) The institute will conduct all three STTP's as explained above on the same topic which has been approved by AICTE while releasing the grants.
- (iv) Firm dates for each program will be intimated to AICTE beforehand.

On similar lines FDP (02 week program) to be conducted online has the following approval totaling to Rs. 1,86,000.00.

a.	Honorarium for Coordinator	Rs. 5000.00
b.	Honorarium to experts	Rs. 1,68,000.00
C.	Provision for payment to lab attendant engaged during lab practices	Rs. 3000.00
d.	miscellaneous charge	Rs. 10000.00
	Total for each FDPs	Rs 1,86,000.00

The conducting of FDP's (two weeks program) shall be subjected to the similar conditions (i) to (iv) given above for conduct STTP courses, except rates of Honorarium to experts.

You are requested to acknowledge receipt of above guidelines and convey your consent if your institute is ready for conducting the STTP through online format on conditions explained above.

It is once again reiterated that online conduct of FDP & STTP will be

on explicit permission of AICTE.

urs sincerely,

Aircetor (FDC)



#### Dr.T.Murali Krishna Assistant Professor <tmuralikrishna\_eee@cbit.ac.in>

#### Fwd: CBIT, Hyderabad - Pandemic situation – Permission to conduct the STTP Online - Requested - Reg.

Principal CBIT <pri>principal@cbit.ac.in>

Sun, Aug 2, 2020 at 6:11 PM

To: EEE HEAD <hod eee@cbit.ac.in>, "Dr.T.Murali Krishna Assistant Professor" <tmuralikrishna eee@cbit.ac.in>

----- Forwarded message ------

From: Col B Venkat <director.fdc@aicte-india.org>

Date: Sun, Aug 2, 2020, 5:09 PM

Subject: Re: CBIT, Hyderabad - Pandemic situation - Permission to conduct the STTP Online - Requested - Reg.

To: Principal CBIT <pri>principal@cbit.ac.in>

- 1. Conduct of 03 STTTPs in online mode are hereby approved.
- Following to be ensured
- Each STTP will be for 06 days from Monday to Saturday, followed by an online exam on last working day ie. Saturday. Certificates will only be issued to those participants who have attended regularly and qualify in the exam with minimum 60% marks.
- STTPs to be scheduled in such a manner that in a month only one is conducted (Space it out evenly so as to complete it by 31 Dec 2020).
- Post successful completion, balance unutilised amount along with interest generated will be returned by RTGS as per the letter.
- Online link of the inauguration will be shared with this office for all the STTPs with an invite for the inaugural function.
- 3. This will be treated as an official correspondence on the subject and will be enclosed at the time of submission of Final Utilisation certificate.

With warm regards. Col B Venkat, **Director (Faculty Development)** AICTE, New Delhi Mobile - 8130255472

On Fri, Jul 31, 2020 at 2:33 PM Principal CBIT <pri>principal@cbit.ac.in> wrote:

Respected Sir,

Ref: 1. STTP- Sanctioned - L.No.34-65/288/RIFD/STTP/Policy-1/2018-19 dated.10-01-2020 (Enclosed)

- 2. Letter issued by AICTE regrading this dated 25-06-2020. (Enclosed)
- 3. Brochure of STTP (Phase-1) -(Enclosed)
- 4. Tentative Schedule

This is to bring to your kind notice that the Department of Electrical and Electronics Engineering of our Institute got sanctioned with Rs.3,00,000/- to conduct STTP on "Trends and Challenges of Hybrid Electric Drive utilities in Transport sector" as Dr. T. Murali Krishna as coordinator, vide Ref.(1) cited above.

In this regard, it is contemplated to conduct the sanctioned STTP into THREE phases through on-line platform, vide reference (2) cited. In this conncetion, we request you to

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:; HYDERABAD (AUTONOMOUS)

#### AUDITED UTILIZATION CERTIFICATE

Name of the scheme under which the amount was sanctioned: SHORT TERM TRAINING PROGRAMME for the technical institutions for the Academic Year 2018-19 during the Financial Year 2019-20

AICTE Sanction Order/Letter No.& Date under which the amount was sanctioned	Amount (Rs.)	CERTIFICATE
File. No. 34- 65/288/RIFD/STTP/Policy- 1/2018-19 dated 10-01-2020	Grant Received Rs.3,00,000/- (Rupees Three Lakhs Only)	Certified that out of the grant-in-aid of Rs.3,00,000/- (Three Lakhs) sanctioned by the AICTE during the Financial Year 2019-20 as per the letter mentioned in the margin, a sum of Rs, 1,92,689/-(Rupees One Lakh and Ninety Two Thousand Six Hundred and Eighty Nine Only) has been utilized for the purpose for which it was sanctioned, and the balance of Rs.1,07,311/-(One Lakh Seven Thousand Three Hundred and Eleven only) remained unutilized at the end of the program.

Certified that I have satisfied myself that conditions on which the amount was sanctioned have been duly fulfilled and I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

#### Kinds of checks exercised:-

1. Actual Expenditure

Place: CBIT, Hyderabad
Smt. A. S. V. Subhadra Devi
Superintendent, Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075

Full Address with Seal

Signature of Head of the Institute Dr. G. P. Saradhi Varma, Principal, Chaitanya Bharathi Institute of Technology), Chaitanya Bharathi(Post), Gandipet, Hyderabad-500075

Principal

Chaitanya Bharashi Institute of Technology (Autonomous)

Gandipet, Hyderabad-500 078.

Accounts Department

CBIT

For BOLLA & ASSOCIATES
Chartered Accountants
FRN: 0182378

BOLLA NAVEEN KUMAR

Partner MRN: 237218 Charlered house

Date: 19-03-2021

UDIN: 21237218-AAAAC01930

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD (AUTONOMOUS) FOR RECEIPT AND PAYMENT ACCOUNT

(Financial Year 2020-21)

Ref.: Sanction Letter no File. No. 34-65/288/RIFD/STTP/Policy-1/2018-19 dated 10-01-2020

Sl. No	Date	Receipt	Amount (Rs)	SI. No		Date	Payments	Amount (Rs)
1	10- 01- 2020	Amount Sanction ed by AICTE	3,00,000/					
				1		17/12/2020	Dr. Umakantha Choudhury	9,000/-
		MA		2		17/12/2020	Sri. G. Balawanth Reddy	3,000/-
				3		17/12/2020	Dr. Y. Chandrasekhar	6,000/-
		1		4	63	17/12/2020	Mr. M. Desai,	3,000/-
				5	Expenditure	17/12/2020	Sri Y.K. Lee	3,000/-
			700000000000000000000000000000000000000	6	=	17/12/2020	Mr. S. Ravi	3,000/-
				7	i i	17/12/2020	Mr. S. Eswar Rao	3,000/-
				8	Z D	17/12/2020	Mr. Venkanna	3,000/-
	200		N STEET	9		17/12/2020	Mr. Y. Rama Rao	3,000/-
				10	-	17/12/2020	Dr. P. V. N. Prasad	3,000/-
			- 1, 6	11	Phase-I	17/12/2020	Mr. Jatil Sharma	3,000/-
				12	Ph	17/12/2020	Dr. R. Gopalan	3,000/-
				13		17/12/2020	Dr. G. Tulasi Ram Das	3,000/-
				14		17/12/2020	Honorarium to Course Coordinator	5,000/-
				15		17/12/2020	Computer Operator	3,000/-
			BUTT	16	18.85	17/12/2020	Internet(Miscellaneous)	1,200/-
				17	ard .	25/01/2021	Dr. Umakantha Choudhury	18,000/-
				18	the last	25/01/2021	Mr. M. Desai	4,500/-
			-YN-S	19	e L	25/01/2021	Dr. P. Satish	4,500/-
-				20	#	25/01/2021	Dr. Krishna Vasudevan	4,500/-
			THE STATE OF	21	penditure	25/01/2021	Dr. O. Chandrasekhar	4,500/-
		THE		22	Exp	25/01/2021	Dr. V.T. Soma Sekhar	4,500/-
			,	23		25/01/2021	Dr. S. Venugopalan	4,500/-
				24	Phase- II	25/01/2021	Mr. Jatil Sharma	4,500/-
			L. H	25	Phi	25/01/2021	Honorarium to Course Coordinator	5,000/-
				26		25/01/2021	Computer Operator	3,000/-
				27		25/01/2021	Internet(Miscellaneous)	1,189/-



Grand Total	3,00,000/-				Grand Total	1,92,689/-
		42		18/03/2021	Auditor Fee	2,500/-
		41		18/03/2021	Miscellaneous	9,300/-
		40		16/03/2021	Computer Operator	3,000/-
		39	Ы	16/03/2021	Honorarium to Course Coordinator	5,000/-
		38	13	18/03/2021	Dr.S.Venugopalan	4,500/-
		37	Phase-	18/03/2021	Dr. G. Tulasi Ram Das	4,500/-
		36	E	18/03/2021	Mr. S. Eswar Rao	4,500/-
		35	-	18/03/2021	Mr. Venkanna	3,000/-
		34	[X]	18/03/2021	Dr.NVPR Durga Prasad	3,000/-
		33	)er	16/03/2021	Mr. M. Desai	4,500/-
		32	Ē	18/03/2021	Prof. Krishna Vasudevan	4,500/-
		31	Expenditure	18/03/2021	Prof. V N Achutha Naikan	4,500/-
		30	1	18/03/2021	Mr. S. Ravi	4,500/-
THE RESERVE OF THE PARTY.	TANK BE	29	UT	18/03/2021	Raunak Choudhury	4,500/-
		28		18/03/2021	Dr. Umakantha Choudhury	15,000/-

A SV Subhadrades Smt. A. S. V. Subhadra Devi Superintendent, Chaitanya Bharathi Institute of Technology), Chaitanya Bharathi(Post), Gandipet, Hyderabad-500075

Accounts Department CBIT

Signature of Head of the Institute Dr. G. P. Saradhi Varma, Principal, Chaitanya Bharathi Institute of Technology), Chaitanya Bharathi(Post), Gandipet, Hyderabad-500075

Principal

Chaftanya Bharmhi Institute of Technology (Autonomous) Gandipet, Hyderabad 500 075.

For BOLLA & ASSOCIATES Chartered Accountants FRN: 0162378

BOLLA NAVEEN KUMAR Partner MRN: 237218

Place: CBIT, Hyderabad

Date: 19-03-2021





# CHAFTANYA BHARATHI INSTITUTI OFTECHNOLOGY (A)

Date:20.03.2021

Τp

The Manager, ICICI Bank

Dear Sir.

Sub: Remittance of Amount by NEFT/RTGS

We enclose here with our Cheque No. 000432 dated 20.03.2021 for Rs.1.07,311/- drawn in your drawn in your favour on A/c. No. 438501000041 and request you to send NEFT/RTGS Member, Secretary, AICTE, New Delhi as per details given here under.

Name of Beneficiary Member, Secretary, AICTE. New Delhi

Beneficiary Bank Name S01

Heneficiary Account Number 551 (2) 06050

Beneficiary Branch Name Shasto Bhawan, New Delhi

Beneficiary IFSC Code : SBIN0050203

Kindly acknowledge.

Thanking you

Yours Faithfully

For Chaitanya Bharathi Institute of Technology (A)c

PRINCIPAL

BRESIDENT

26 63 24-24

GOOLO 3 SG-41

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD-75 Department of Electrical & Electronics Engineering

Date: 03-03-2020

Minutes of the meeting conducted on 3rd March, 2020.

Members Present:

1. Dr. P. Ravinder Reddy, Principal, CBIT

2. Dr. G. Suresh Babu, Prof& Head, Dept. of EEE,

3. Dr. U.K. Choudhury, Prof. Dept. of EEE,

4. Dr. T. Murali Krishna, Assoc. Prof, Dept. of EEE,

5. Smt. N. Vasantha Gowri, Asst. Prof, Dept. of EEE,

The meeting started with the greetings from the Head of the department.

Item No.1: To form Program Evaluation Committee

Minutes: Principal Dr. P. Ravinder Reddy suggested the two HoD names Dr. D. Krishna Reddy & Dr. P. Suresh as PEC members and Prof. U.K. Choudhury as subject expert in PEC

Item No.2: To discuss and finalize the schedule for STTP

Minutes: HoD asked the coordinator of STTP to prepare Brochure & Schedule for STTP from 20th - 25th April 2020,

Item No.3: Preparation of Schedule

Minutes: The subject expert of this STTP, Dr. U. K. Choudhary has suggested resource persons for the phase 1.Dr. N. Vasantha Gowri & Sri. C. Harish are asked be the co-coordinators for Phase-1

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD-75

#### Department of Electrical & Electronics Engineering

Date: 20-07-2020

Minutes of the meeting conducted on 20th July, 2020.

Members Present:

1. Dr. P. Ravinder Reddy, Principal, CBIT

2. Dr. G. Suresh Babu, Prof & Head, Dept. of EEE,

3. Dr. U.K. Choudhury, Prof. Dept. of EEE,

4. Dr. D. Krishna Reddy, Head, Dept. of ECE,

5. Dr. P.V. R. Ravindra Reddy, Head, Dept. of Mechanical Engg.,

6. Dr. T. Murali Krishna, Assoc. Prof, Dept. of EEE,

7. Smt. N. Vasantha Gowri, Asst. Prof, Dept. of EEE

8. Mr. M. Nagaraju, Asst. Prof, Dept. of EEE

The meeting started with the greetings from the Head of the department.

Item No.1: To form Program Evaluation Committee

Minutes: Principal Dr. P. Ravinder Reddy suggested the two HoD names Dr. D. Krishna Reddy & Dr. P.V. R. Ravinder Reddy as PEC members and Prof. U.K. Choudhury as subject expert in PEC

Item No.2: To Conduct STTP on on-line mode

Minutes: HoD asked the coordinator of STTP to prepare Brochure & Schedule for STTP to be conducted as per the AICTE guidelines in three phases and put up a letter to AICTE for approval. Tentative Schedules are as follows

First phase is from 3<sup>rd</sup> to 8<sup>th</sup>August 2020, Second phase is from 24<sup>th</sup> to 29<sup>th</sup>August 2020 and Third phase is from 7<sup>th</sup>to 12<sup>th</sup>September 2020.

Item No.3: Conduct of STTP

Minutes: Dr. N. Vasantha Gowri & Sri. M. Nagaraju are asked be the cocoordinators for Phase-1

#### CHIEF PATRON

Kavi Kireeti Dr. V MALAKONDA REDDY
President, CBIT

#### **PATRONS**

**Sri. N. SUBASH**Secretary & Correspondent, CBES

Smt. D. SANDHYA SREE Chairperson D&P, CBIT

#### PROGRAM EVALUATION COMMITTEE

Prof. P. RAVINDER REDDY

Principal - CBIT & Chairman - PEC

**Prof. U. K. CHOUDHURY**Director - I&I and Subject Expert - PEC

Prof. D. KRISHNA REDDY Head, Dept. of ECE

**Prof. P.V.R. RAVINDRA REDDY**Head, Dept. of Mechanical Engineering

**Dr. T. MURALI KRISHNA**Coordinator - STTP

#### **CONVENER**

**Prof. G. SURESH BABU** Head, Department of EEE

#### **CO-COORDINATORS**

**Dr. N. VASANTHA GOWRI** Assistant professor, Dept. of EEE

**Sri M. NAGARAJU**Assistant professor, Dept. of EEE

Registration Fee : Free

#### **IMPORTANT DATES**

Last date for Registration : 01-08-2020 Intimation of selection : 02-08-2020

#### **HOW TO APPLY**

The applicants should fill the Registration Form through Google Forms using below link

E-certificate will be issued to those Participants who attend 80% of the sessions and clear the exam.

#### FOR FURTHER DETAILS PLEASE CONTACT

E-mail: sttpeee@cbit.ac.in

Mobile: 7013526685, 9052221446, 9866479770

#### **REGISTRATION LINK**

https://forms.gle/Ky9TgoJtGE2W1QEB6









AICTE - Sponsored Short Term Training Program (STTP-Phase-I)

on

# TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

03<sup>rd</sup> - 08<sup>th</sup> August, 2020

Organized by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)

CBIT is one of the premier Engineering Institute in INDIA, pioneer in Telangana State, which is at idyllic surroundings of Gandipet Lake, Hyderabad. The college offers Nine UG and Eleven PG programs. It has been standing as a temple of knowledge for the past 41 years by producing about 25,000 Eminent and skillful Graduate Engineers, who are successful in their Careers, serving all over the world. The Institute has been Accredited by NBA--AICTE and NAAC--UGC. UGC has granted Autonomous Status from the Academic Year 2013-14 onwards. The Grants received from AICTE/UGC are worth about Rs. 2.5 Crores. Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected to secure Placements in MNCs through College Career Development Center.



#### **ABOUT THE DEPARTMENT**

CBIT started Electrical & Electronics Engineering UG course in 1994 and was accredited thrice i.e. in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a PG course in Power Systems & Power Electronics in 2006 with an intake of 18 and was accredited by NBA in the year 2016. The Department has highly qualified and experienced faculty. The Department is having well equipped labs with latest Hardware & Software. The Department is also certified by ISO 9001:2008. The Department is recognized as Research Centre in 2017 by Osmania University to carry out research for the award of Ph.D. degree. The Department is keen on developing consultancy services and welcomes funding research from outside agencies. The Department in the year 2019-20 has received a funding of Rs.2,72,000 under AICTE-STTP Scheme for MATLAB Research Methodology project, Rs. 3,00,000 under AICTE-STTP scheme for Hybrid Electric Utilities Project and Rs.11,00,000 under AICTE-RPS Scheme for Development of Low Cost Flexible Quality Conditioner to Mitigate Power Quality Issues and MODROBS for special electrical machines to the tune of Rs.17 Lakh.

#### **ABOUT THE STTP**

Deterioration in air quality, global warming, and a decrease in petroleum resources are becoming the major threats to human beings. More and more stringent emissions and fuel consumption regulations are stimulating an interest in the development of safe, clean, and high-efficiency transportation. It has been well recognized that electric, hybrid electric, and fuel-cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades, the research and development activities related to

transportation have emphasized the development. of high efficiency, clean, and Modern Electric, Hybrid Electric, and Fuel Cell Vehicles safe transportation.

#### Topics to be covered in STTP

- Over View of Electric Vehicle
- Govt. Policies and Guide Lines
- Special Electrical Machines
- Batteries for Hybrid Electric Vehicles
- Testing and Certification
- Electric Vehicle Design
- Axial Flux Machines
- Hybrid Electric Vehicles

#### **RESOURCE PERSONS**

Resource Persons will be from Renowned Institutions such as IIT's/NIT's, Industries like Tata Motors, and host Institution.

#### **TARGET GROUP**

The STTP is expected to benefit Engineers, Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.





## **Department of Electrical & Electronics Engineering**

AICTE Sponsored Short Term Training Program (Phase-1) Schedule

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#### TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

03th - 08th August 2020

	9.30 AM-11.00AM		11.30 AM – 1.00 PM		2.00 PM – 3.30 PM
03-08-2020 Monday	Inauguration		Introduction to Electric Mobility, Policy and Guidelines, Trends and Challenges, Electric vehicle System and Components by Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)		Permanent Magnet Motor Drives for Electric Mobility by Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)
04-08-2020 Tuesday	Power Electronics Converters for Electric Vehicles by Mr. Balwanth Reddy, Dy. Manager, BHEL R&D		Hybrid Electric Vehicle, Regenerative Braking and Future Trends by Dr U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)		Optimal Dispatch of Electric Vehicle Battery in EV Charging Stations and Its Impact on Distribution System by Dr. Y. Chandrasekhar, Dept of EEE, NITW
05-08-2020 Wednesday	Testing Standards for Electric Vehicle and Its Components by Mr. M. Desai, DGM, ARAI, Pune	reak	Development of Electric Vehicle by Edison Motors  Korea and Special Design Features by  Sri Y.K. Lee, MD, Edison Motors		Fuel Cell and Its Application for Electric Vehicle by Mr. S. Ravi, Hybrid fuel solutions Pvt. Ltd
06-08-2020 Thursday	Charging Station for Electric Vehicle by Mr. S. Eswar Rao, Sr. DGM, BHEL R&D	Bı	Liquid Cooled Induction Motor for Electric Mobility by  By Mr. A. Venkanna  Deputy Manager, EM Lab, BHEL	Lunch break	Design of an Electric Vehicle by Mr. Y. Rama Rao, COO, M/s Deccan Auto
07-08-2020 Friday	Reliability Modeling and Assessment of Hybrid Electric Vehicles by Dr. P. V. N. Prasad, Prof. (Rtd), Dept of EE, OUCE		Application of E-mobility for Industrial Transport Application by Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd.		Optical Location of Battery Swapping Stations by Dr. Y. Chandrasekhar, Dept of EEE, NITW
08-08-2020 Saturday	Materials for 21 <sup>st</sup> Century Energy Crisis for Sustainable Transport Applications by <b>Dr. R. Gopalan, Director, ARCI</b>		Electrical Motor Drives for Electric Vehicles by  Dr. G. Tulasi Ram Das,  Former Vice Chancellor (JNTUK)  Prof, Dept of EEE, JNTUH		Test, Feedback and valedictory

Coordinator-STTP

HoD, EEE, CBIT

Totally 159 participants from 15 states registered for the STTP, but 106 participants regularly attended the program out of which only 91 received certificates by clearing the end examination with equal to or more than 60% in which was conducted on the last day i.e. on 08-08-2020. Every day three sessions are conducted (two in the morning and one in the evening) which is of 1 ½ hour duration. The program was conducted on google-meet platform. After the completion of each session the attendance and feedback forms are shared in the chat box. The detailed report of each session is given below.

03-08-2020 Session-1 Time: 10:40 AM to 01:10 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Introduction to Electric Mobility, Policy and Guidelines, Trends and Challenges

The session started with Parts of electric vehicle, difference between ordinary vehicle & electric vehicle, Shape of the front panel of the vehicle & its impact on energy consumption, Electric bus layout, importance of electric vehicle power train, Challenges/barriers to electric vehicles in terms of Technical, Infrastructural, Market & Policy. The he compared the components & distribution of energy losses in diesel bus & battery-operated bus like aerodynamic losses, braking losses wheel losses, Transmission losses, Engine/Battery losses and ancillary losses. He concluded the session with Indian Government Initiatives toward electric vehicles like NMEM, NEMM, EVI, FAME-1 & Fame-2

03-08-2020 Session-2 Time: 02:15 AM to 04:10 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

**Topic: Permanent Magnet Motor Drives for Electric Mobility** 

In this session, the advantages, classification and applications of the permanent magnet machines are discussed. The performance requirement of electric vehicle in terms of torque density, power density speed range, efficiency, hill climbing, intermittent overload capacity, overtaking, reliability, robustness, low acoustic noise and reasonable cost are discussed. Sir shown different pictures of permanent magnets, precision thin material, flexible magnets and the comparison between various magnets are discussed. Domain movement during magnetization, magnetizer and critical points for permanent magnet generators are deliberated.

04-08-2020 Session-1 Time: 09:30 AM to 11:00 AM

Speaker: Mr. Balwanth Reddy, Dy. Manager, BHEL R&D

**Topic: Power Electronic Converters for Electric Mobility** 

Session started with the basic components of Power electronics, Significance of Static switches, PI control gains in the design of power converters, Importance of IGBT in the medium voltage high current applications, Intelligent power modules, Latest materials used in power devices like Silicon carbide, Gallium Arsenide, Thin Film, Superconductors etc. then presented the types of electric vehicles, Basic design aspect of converters like Importance of technical specifications, Application standards, selection of semiconductor device, EMI/EMC standards, DC link capacitor. The continued with Scalar & vector control of induction motor.

04-08-2020 Session-2

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Hybrid Electric Vehicle, Regenerative Braking and Future Trends

The resource person has given overview of future advancements in e-mobility. This lecture mainly focused on Regenerative braking, Hybrid Electric Vehicle (HEV), Hydraulic Hybrid Vehicles. He discussed about the complexity in the design of HEVs than IC engine vehicles in all the aspects. He deliberated about advantages and disadvantages of different configurations of HEVs, Types of HEVs. He quoted different topics of research requirements on energy storage systems, regenerative braking, vehicle dynamics and optimization, Challenges in power electronics, vehicle control.

04-08-2020 Session-3

Speaker: Dr. Y. Chandrasekhar, Dept of EEE, NITW

Topic: Optimal Dispatch of Electric Vehicle Battery in EV Charging Stations and Its Impact on Distribution

The session started with a novel dispatch strategy to determine, when and at what rate EV battery should charge/discharge in order to maximize profits to EV owners and responding to power system's requirements while considering the effect of renewable DG power availability. This objective depends on many criteria like buying and selling price of energy, battery state of charge (SoC), Renewable DG power availability, and load levelling. The optimal dispatch strategy is applied to 100 and 200 EV fleets with random travel plan, the effect of these fleets with optimal dispatch strategy is tested on IEEE 33 bus distribution system with added DGs. Furthermore, optimal power dispatch of DGs in EV-rich distribution system is explained with BAT optimization algorithm (BOA).

05-08-2020 Session-1

Speaker: Mr. M. Desai, DGM, ARAI, Pune

Topic: Testing Standards for Electric Vehicle and Its Components

In this session Desai sir quoted the importance of regulatory mechanism like standardization, type of approval/certification Agencies, regulation frame work for electric vehicle under CMVR for 250W-EV, E-Rickshaw/E-cart vehicles. The electric vehicle approval requirements like AIS 038: Constructional & functional safety requirements like traction battery, protection against electric shock, high voltage marking etc. Then continued with AIS:039-Electrical energy consumption, AIS:040-Measurement of range, AIS:041-Maximum Power test, AIS:049-EV Specific requirements like grade-ability test at 60% of State of Charge. Battery Management System, AIS:048-performance and abuse testing for traction batteries are discussed. Then continued with the topics like Present scenario in India, new battery safety standard, Charges/Charging stations like conductive & inductive charging, EV Charging: Ministry of power Guidelines, Different types of charges and charger standards. The session ended with Vehicles converted to Electric-Hybrid, Hybrid vehicle regulations in India, e-motor test bed for 3-10 kW motors, Characterization of Li-ion Cell, module & pack, challenges with adoption of Electric Mobility and the role of Government agencies in India.

05-08-2020 Session-2

Speaker: Sri Y.K. Lee, MD, Edison Motors

Topic: Development of Electric Vehicle by Edison Motors Korea and Special Design

**Features** 

Started with the introduction of Edison motors, their vison & mission from value market to trust market and its operating policy. Then their product electric bus constructional details, Power train, battery & Motor positions in cars, how they entered in Indian market with accelerated adoption of alternate fuels like CNG/LNG/Hybrid/Electric vehicles. He discussed about types of Li-Ion batteries, challenges with adoption of electric mobility, role of Ministry of Heavy Industry, Ministry of Road Transport to manufacture electric vehicles. Concluded the session with the products of Edison motors and their specifications.

05-08-2020 Session-3

Speaker: Mr. S. Ravi, Hybrid fuel solutions Pvt. Ltd

Topic: Fuel Cell and Its Application for Electric Vehicle

This session concentrated on basic components of fuel cells like PEM stack, Balance of plant, membrane electrode assembly etc. then discussed about hybrid fuel cells, bipolar plate fabrication cell, stack assembly, stack testing BOP components like blowers, LCD, Load connectors, Controller, Short Circuit unit are exemplified. Then depicted the MEA assembly unit, its requirements and applications of fuel cells in practical application like operating excavators in remote areas. Continued with the necessity of supercapacitor, DC-DC converter, Dc-bus in the system. He quoted that the fuel cell fleet is now mostly hydrogen fuelled.

06-08-2020 Session-1

Speaker: Mr. S. Eswar Rao, Sr. DGM, BHEL R&D

Topic: Charging Station for Electric Vehicle

Sri S. Eswar Rao sir has discussed charges for electric vehicles, batteries for e-mobility to meet the challenges of electric vehicles such as waiting time for recharge, range anxiety, high initial cost etc., continued his session with understanding battery characteristics and battery management system. Then explained about types of charging standards, dc charging station architecture, dc fast charger developed by BHEL, topology of high frequency-based charger, design of controller for grid connected converters, solar based ac charging stations, weigh side charging infrastructure, types of charging, difference between continuous charging and conductive charging. Concluded his session with on-board charges, off-board charges and types of chargers like Level-1, Level-2, Level-3 etc.

06-08-2020 Session-2

Speaker: By Mr. A. Venkanna, Deputy Manager, EM Lab, BHEL

Topic: Liquid Cooled Induction Motor for Electric Mobility

Introduced water cooled induction motor application for electric vehicle. The first step is customers specification like cost, weight, volume and efficiency, IP 69 K requirements, motor mounting configurations. The main advantage of liquid cooling system in transportation is at the time of starting, overtaking of the vehicle and during transmission of vehicle on gradient surfaces. Then he continued his session on air cooling and water-cooled induction motors. Depicted the cross-sectional view of water-cooled induction motor. Then he concluded the session with electro magnetic design and analytical design of induction motors.

06-08-2020 Session-3

Speaker: Mr. Y. Rama Rao, COO, M/s Deccan Auto

Topic: Design of an Electric Vehicle

Explained about growing economy power in India. India stands fifth position in auto mobile industry. Hence the solution for future transportation is e-mobility. Given a comparison between IC engine and Electric vehicles. explained about batteries and their costs for electric vehicles. He also presented the statistics of electric car. Discussed in detail about electric charging regulations in India. Concluded the session with development challenges, electric vehicle safety, operability, centre of excellence on e-mobility.

07-08-2020 Session-1

Speaker: Dr. P. V. N. Prasad, Prof. (Rtd), Dept of EE, OUCE

Topic: Reliability Modeling and Assessment of Hybrid Electric Vehicles

In this session the importance of reliability in Hybrid Electric Vehicles is discussed. The need of reliability assessment is required because of the increasing automation, complexity in the system, Failure & Repairs, Quality of product, Reduction of overall cost. Two types of assessment viz. Past & Future assessment are discussed. The four parts of reliability are probability, adequate performance, Time, Operating conditions are introduced. Various reliability indices are like number of failures, average time between failures, average down time energy loss, revenue is quoted. The maintainability, availability and bath tub model is conferred. The Markov models for series-hybrid, Parallel hybrid and Series-Parallel Hybrid Electric Vehicles are discussed. Concluded that parallel-hybrid is more reliable than series-hybrid Electric Vehicles.

07-08-2020 Session-2

Speaker: Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd

Topic: Application of E-mobility for Industrial Transport Application

The vehicles landscape in India is introduced by the resource person. Discussed about EVs, BEVs, ZEVs & BOU etc., electric vehicles viabilities like charging infrastructure, increased efficiency, reduction of cost and policies related to motor drive technology. He more focused on innovation, life cycle, project management. Then continued with the products developed for various applications like EVs in golf-carts, vehicles for cleaning of solar panels, e-ambulances in hospitals, missile carriers in defence sector, vehicles for vigilance & security, forest & tourism, public health and sanitation by Tejaswi Green Engg. Pvt. Ltd.

07-08-2020 Session-3

Speaker: Dr. Y. Chandrasekhar, Dept of EEE, NITW

Topic: Optical Planning of EV Charging stations and Battery Swapping Stations

For the installation of EV charging stations the objectives are loss minimization and profit maximization in optimization process. Due to development of the batteries and it's charging technologies, public incentives and growing criticism on dense air pollution, the electrical vehicles (EVs) gaining more popularity as compared to traditional fuel vehicles. In this scenario, the multi-objective optimal scheduling of Electric Vehicle batteries in Battery Swapping Station (BSS) is explained in order to optimize the number of EV batteries taken from battery stock. Further, degradation cost of batteries and electricity charging cost of batteries also considered for optimal scheduling of EV batteries in BSS. The dynamic electricity pricing model is considered to avoid new peaks of battery charging demand in BSS. EV battery swapping demand in each hour of the day is solved by using a multi-objective Shuffled Frog Leaping Algorithm (SFLA).

08-08-2020 Session-1

Speaker: Dr. R. Gopalan, Director, ARCI

Topic: Materials for 21st Century Energy Crisis for Sustainable Transport Applications

Session started with Sustainable energy, Matter of concern in India, Energy Crisis & demand, wind energy, solar energy, roof-top wind-solar hybrid systems, introduced about 50MW solar plant in Jodhpur, 1000MW solar plant in Tamilnadu, 21<sup>st</sup> century energy crisis in transport sector. Session continued with Transformation in vehicle technology, Carbon foot print, EV concept, Drivers for growth of electric vehicles in India, Electric vehicle status in India, Permanent magnet technology and its role for energy saving technology , Li-ion battery, possible combination of Li-ion battery, fabrication of Li-ion battery at ARCI, power and energy of various batteries, Alternative energy materials & systems, fuel cells, solar cells, Thermoelectric materials.

08-08-2020 Session-2

Speaker: Dr. G. Tulasi Ram Das, Prof, Dept of EEE, JNTUH, Former Vice Chancellor (JNTUK)

**Topic: Electrical Motor Drives for Electric Vehicles** 

The session started with induction motor and its advantages & limitations in electric vehicles. The session continued with the importance of switched reluctance motors with its major advantages of less heat development, but the main drawback of complex control circuitry, insights for selecting the right motor for electric vehicles for two wheelers & three wheelers. Sir has illustrated the performance comparison between indirect field-oriented control and direct torque control of induction motors with case study. Session ended with future scope of research in electric vehicles.

#### AICTE - Sponsored Short Term Training Program (STTP-Phase-1)

On

# TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR 03th - 08thAugust 2020

List of participants shortlisted for Certificates

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77	Mrs	KUSUMA KUMARI YEMINENI	GOVT POLYTECHNIC KROSUR(212) andhrapradesh	kusuma.yemineni@gmail.com	9908354259
78	Mrs	SELVE V	VELAMMAL ENGINEERING COLLEGE	selveveerabathran@gmail.com	9087128444
79	Mrs	G Angala Parameswari	Velammal Engineering College	angalaparameswari2021@gmail.com	9443066007
80	Dr	K.SURESHKUMAR	Velammal Engineering College	sureshbarath@gmail.com	9865281803
81	Mrs	VIDHYA K	Velammal Engineering College	vidhya@velammal.edu.in	9444103534
82	Mr	N B RAJESH	VELAMMAL COLLEGE OF ENGINEERING AND	nbr2020@rediffmail.com	9965477469
83	Dr	GEETHA RAMAN	Velammal Engineering College	geetharaman1977@gmail.com	9940693206
84	Ms	Preethi L	Dr. Ambedkar Institute of Technology	preethi.lakshmeesh@gmail.com	
85	Dr	SASIKUMAR M	K. S. Rangasamy College of Technology	sasikumarm@ksrct.ac.in	9965167895
86	Mr	SANJIBA KUMAR BISOYI	jssate noida	sanjiba.bisoyi@gmail.com	
87	Ms	Dasyam Sushma	Rajiv Gandhi University Of Knowledge	shushmamarun@gmail.com	8096162036
			Technologies(IIIT), Basar		
88	Mr	Lenkalapelly raju	Jayamukhi institute of technological sciences	rajulenkalapelly@gmail.com	809602768
89	Mrs	G Angala Parameswari	Velammal Engineering College	angalaparameswari2021@gmail.com	9443066007
90	Mr	Chaitrashree S R	Velammal Engineering College	chaitrashree123@gmail.com	
	•	-			-

_					
91	Mrs	Pushpanjali	B.Ed Teacher Training College, Khagaria	pushpanjali5935@gmail.com	7549593572

#### Chaitanya Bharathi Instituteof Technology(A) Hyderabad

#### Department of EEE

#### AICTE - Sponsored Short Term Training Program (STTP-Phase-1)

on

#### TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

#### 03th - 08thAugust 2020

				03th - 08thA	ugust 2020				
O.N.	Particiapant Name	Score	Do you think the event helps in your future works?	How do you rate the planning of the event?	How do you rate the conduction of the event?	How about the quality of the lectures?	What is your level of satisfaction with this event?	Which aspect of the event did you like most?	Are you likely to participate in our events in the future?
S.No. Mr	Musub Mehfooz	12 / 20	Yes	4	4	4	5	Resource	Yes
IVII	IVIUSUD IVIETIIOOZ	12 / 20	103	[	ľ	[		persons	103
Mr	KASOJU BHARATH KUMAR	13 / 20	Yes	5	5	5	5	All	Yes
Dr	Dr.B Suresh Kumar	14 / 20	Yes	5	5	5	5	planning	Yes
Mr	SHIV SHAMBHU CHOUDHARY	15 / 20	Yes	5	4	4	4	All	Yes
Mr	MADAN MOHAN CHODAVARAPU	15 / 20	Yes	5	5	5	5	All	Yes
Mr	Satyanarayana Addala	16 / 20	Yes	5	4	4	4	All	Yes
Mr	CH.VINAY KUMAR	17 / 20	Yes	5	5	5	5	All	Yes
Mr	A.Bala Raja Ram	20 / 20	Yes	5	5	5	5	All	Yes
Mrs	Minakhi Behera	17 / 20	Yes	5	5	5	5	All	Yes
Mrs	M NALINI DEVI	17 / 20	Yes	5	5	5	5	All	Yes
Mr	V BALARAJU	15 / 20	Yes	5	5	5	5	All	Yes
Mr	THIRIVEEDHI HARIBABU	13 / 20	Yes	5	5	5	5	All	Yes
Mr	ALLIPILLI YELLAJI	14 / 20	Yes	5	5	5	5	All	Yes
Mr	S. SARAVANAN	12 / 20	Yes	5	5	5	5	All	Yes
Mr	Anil Marneni	16 / 20	Yes	5	5	5	5	All	Yes
Mr	MURALI MOHAN T	16 / 20	Yes	4	5	5	4	All	Yes
Mrs	Sowmya G	14 / 20	Yes	5	5	5	5	All	Yes
Mr	Santhosh Raikar M	18 / 20	Yes	5	5	5	5	Resource persons	Yes
Ms	Aluri Sai Sree Sarayu	19 / 20	Yes	5	4	5	4	All	Yes
Mr	Nedunuri Parameshwar	14 / 20	Yes	5	5	5	5	All	Yes
Mrs	S.SUDHARANI	16 / 20	Maybe	4	4	4	4	Resource persons	Yes
Mr	K.Dhanraj	12 / 20	Yes	4	4	4	4	All	Yes
Mr	G Hari Krishna	16 / 20	Yes	5	5	5	5	All	Yes
Mr	ATHMAKURU RANJITH KUMAR	19 / 20	Yes	5	5	5	5	All	Yes
Mr	KOLA SURESH KUMAR	19 / 20	Yes	5	5	5	5	All	Yes

Dr	K. Vinay Kumar	19 / 20	Yes	5	5	5	5	All	Yes
Mrs	NAGAVENI P	16 / 20	Yes	4	4	4	4	All	Yes
Dr	P. Ram Kishore Kumar Reddy	17 / 20	Yes	5	5	5	5	All	Yes
Mrs	P.Lakshmi Supriya	16 / 20	Yes	4	4	4	4	Resource persons	Yes
Dr	Dr.A.V.G.A.MARTH ANDA	18 / 20	Yes	5	4	5	4	All	Yes
Mr	SRINIVAS MODUGU	15 / 20	Yes	5	5	5	5	All	Yes
Mr	KARANGULA PRASANNA KRISHNA	13 / 20	Yes	5	5	5	5	All	Yes
Ms	Navya	12 / 20	Yes	5	5	5	5	All	Yes
Mr	BHUKYA BHAVSINGH	19 / 20	Yes	5	5	5	5	All	Yes
Dr	Edara V C Sekhara Rao	15 / 20	Yes	5	4	4	5	All	Yes
Mr	KRUSHNA CHANDRA SAHOO	12 / 20	Yes	5	5	5	5	All	Yes
Mr	Arjun Hanumantrao Kardile	12 / 20	Yes	5	5	5	5	All	Yes
Mr	V. CHANDRA SHEKAR	12 / 20	Yes	4	5	5	5	planning	Yes
Dr	Bhavin Shah	14 / 20	Yes	5	4	4	4	All	Yes
Mr	DEVIREDDY SATHISH	13 / 20	Yes	5	5	5	5	All	Yes
Mr	DEBANGA BHATTASALY	14 / 20	Yes	5	5	5	5	All	Yes
Mr	Subash Ranjan Kabat	15 / 20	Yes	5	5	5	5	All	Yes
Mr	CHANDRA PRASAD MODALAVALASA	16 / 20	Yes	5	5	5	5	All	Yes
Mr	A R Govardhana Naidu	13 / 20	Yes	5	5	5	5	All	Yes
Mrs	TIPPANI ANUSHA	14 / 20	Yes	4	5	3	4	All	Yes
Mr	BALAKISHAN PADAKANTI	16 / 20	Yes	5	5	5	5	All	Yes
Dr	S.SRINATH	17 / 20	Yes	5	5	5	5	All	Yes
Dr	Neelakanteshwar	12 / 20	Yes	5	5	5	5	planning	Yes
Dr	Haripriya T	13 / 20	Yes	5	4	4	4	All	Yes
Mr	GADUPUDI	14 / 20	Yes	5	5	5	5	All	Yes
Dr	G Radhika	15 / 20	Yes	5	4	4	4	All	Yes
Dr	Dr. D. Ravi Kumar	15 / 20	Yes	5	5	5	5	All	Yes
Mr	Cholleti Harish	16 / 20	Yes	5	5	5	5	All	Yes
Mr	AMARNADH	17 / 20	Yes	5	5	5	5	All	Yes
Dr	N M G kumar	20 / 20	Yes	5	5	5	5	All	Yes
Mr	M. Manohara	17 / 20	Yes	5	5	5	5	All	Yes
Mr	MOHAMMED	17 / 20	Yes	5	5	5	5	All	Yes

Mr	BOMMASANI	15 / 20	Yes	5	5	5	5	All	Yes
Mr	Yamsani Akshith	13 / 20	Yes	5	5	5	5	All	Yes
Mr	D Harsha	14 / 20	Yes	5	5	5	5	All	Yes
Mr	K. PRAVEEN	12 / 20	Yes	4	5	5	4	All	Yes
Dr	D.Sunitha	16 / 20	Yes	5	5	5	5	All	Yes
Ms	Tejaswi Algam	16 / 20	Yes	5	5	5	5	Resource	Yes
Mr	S.MD.MAZHAR UL	14 / 20	Yes	5	4	5	4	All	Yes
Dr	S Premalatha	18 / 20	Yes	5	5	5	5	All	Yes
Dr	KUNTLA	19 / 20	Maybe	4	4	4	4	Resource	Yes
Dr	shiva prasad edara	14 / 20	Yes	4	4	4	4	All	Yes
Mrs	R Geshma Kumari	16 / 20	Yes	5	5	5	5	All	Yes
Mr	GOLLA NARESH	12 / 20	Yes	5	5	5	5	All	Yes
Mr	P sai niranjan	16 / 20	Yes	5	5	5	5	All	Yes
Mr	C.Jagan Mohan	19 / 20	Yes	5	5	5	5	All	Yes
Dr	Ahmad Syed	19 / 20	Yes	4	4	4	4	All	Yes
Mrs	P. Veera Bhadra	19 / 20	Yes	5	5	5	5	All	Yes
Mr	KANCHAN SAHA	16 / 20	Yes	4	4	4	4	Resource	Yes
Mr	RABI RANJAN	17 / 20	Yes	5	4	5	4	All	Yes
Mrs	Narmada Reddi.B	16 / 20	Yes	5	5	5	5	All	Yes
Mrs	KUSUMA KUMARI	18 / 20	Maybe	4	4	4	4	Resource	Yes
Mrs	SELVE V	15 / 20	Yes	4	4	4	4	All	Yes
Mrs	G Angala	13 / 20	Yes	5	5	5	5	All	Yes
Dr	K.SURESHKUMAR	12 / 20	Yes	5	5	5	5	All	Yes
Mrs	VIDHYA K	19 / 20	Yes	5	5	5	5	All	Yes
Mr	N B RAJESH	15 / 20	Yes	5	5	5	5	All	Yes
Dr	GEETHA RAMAN	12 / 20	Yes	4	4	4	4	All	Yes
Ms	Preethi L	12 / 20	Yes	5	5	5	5	All	Yes
Dr	SASIKUMAR M	15 / 20	Yes	4	4	4	4	All	Yes
Mr	SANJIBA KUMAR B	13 / 20	Yes	5	5	5	5	All	Yes
Ms	Dasyam Sushma	12 / 20	Yes	5	5	5	5	All	Yes
Mr	Lenkalapelly raju	19 / 20	Yes	5	5	5	5	All	Yes
Mrs	G Angala Paramesw	15 / 20	Yes	5	5	5	5	All	Yes
Mr	Chaitrashree S R	12 / 20	Yes	4	4	4	4	All	Yes
Mrs	Pushpanjali	12 / 20	Yes	5	5	5	5	All	Yes
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### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD-75 Department of Electrical & Electronics Engineering

Date: 26-10-2020

Minutes of the meeting conducted on 26thOctober, 2020.

Members Present:

1. Dr. G. P. Saradhi Varma, Principal, CBIT

2. Dr. G. Suresh Babu, Prof & Head, Dept. of EEE,

3. Dr. U.K. Choudhury, Prof. Dept. of EEE,

4. Dr. D. Krishna Reddy, Head, Dept. of ECE,

5. Dr. P.V. R. Ravindra Reddy, Head, Dept. of Mechanical Engg.,

6. Dr. T. Murali Krishna, Assoc. Prof. Dept. of EEE, Thisks

7. Mr. M. Nagaraju, Asst. Prof, Dept. of EEE X

8. Dr. N.V. Phanendra Babu, Asst. Prof, Dept. of EEE,

The meeting started with the greetings from the Head of the department.

Item No.1: To form Program Evaluation Committee

Minutes: Principal Dr. G. P. Saradhi Varma asked the same members to be in PEC

Item No.2: To Conduct STTP Phase-II on on-line mode

Minutes: HoD asked the coordinator of STTP to prepare Brochure & Schedule for STTP Phase -2 as per the AICTE guidelines and send the invitation link to AICTE.

Item No.3: Conduct of STTP

Minutes: Dr. U. K. Choudhary suggested resource persons for the STTP.

Sri. M. Nagaraju &Dr. N. V. Phanendra Babu are asked be the co-coordinators for Phase-2

#### **CHIEF PATRON**

Kavi Kireeti Dr. V MALAKONDA REDDY President, CBIT

### PROGRAM MONITORING COMMITTEE (PEC)

**Prof. G. P. SARADHI VARMA** (Chairman) Principal, CBIT

Prof. U. K. CHOUDHURY (Subject Expert)
Director I&I, CBIT

Prof. G. SURESH BABU Head, Dept. of EEE

**Prof. D. KRISHNA REDDY** (Member) Head, Dept. of ECE

**Prof. P.V.R. RAVINDRA REDDY** (Member) Head, Dept. of Mechanical Engineering

#### Dr. T. MURALI KRISHNA

(Coordinator-STTP & Member secretary-PEC) Associate Professor, Department of EEE

#### **CO-COORDINATORS**

**Sri M. NAGARAJU**, Assistant professor, Dept. of EEE

**Dr. N.V. PHANENDRA BABU**, Assistant professor, Dept. of EEE

Registration Fee Free

#### **IMPORTANT DATES**

Last date for Registration : 30-10-2020

Intimation of selection : 31-10-2020

#### **HOW TO APPLY**

The applicants should fill the Registration Form through Google Forms using below link

E-certificate will be issued to those Participants who attend 80% of the sessions and clear the exam with 60% marks.

#### FOR FURTHER DETAILS PLEASE CONTACT

E-mail: sttpeee@cbit.ac.in

Mobile: 7702578106,7013526685, 9866479770

#### **REGISTRATION LINK**

https://forms.gle/keJiTtHYkyxaGqwf9









# AICTE – Sponsored SHORT TERM TRAINING PROGRAM (STTP)

Phase - II

on

# TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

02<sup>nd</sup> - 07<sup>th</sup> November, 2020

Organized by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(Autonomous)

CBIT, established in the Year 1979, has developed in Four Decades of its journey, as one of the Premier Engineering Institutes in INDIA, in Telangana State. The Institute offers Eleven UG and Eleven PG Programs into which Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected holistically to secure Placements in reputed National and Multi-National Industries. Alumni, nearly 25,000 Graduate Engineers, are successfully placed in their Careers and as Entrepreneurs Globally. The Institute has been granted Autonomous.



#### **ABOUT THE DEPARTMENT**

CBIT started Electrical & Electronics Engineering UG course in 1994 and was accredited thrice i.e. in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a

course in Power Systems & Power Electronics in 2006 with an intake of 18 and was accredited by NBA in the year 2016. The Department has highly qualified and experienced faculty. The Department is having well equipped labs with latest Hardware & Software. The Department is also certified by ISO 9001:2008. The Department is recognized as Research Centre in 2017 by Osmania University to carry out research for the award of Ph.D. degree. The Department is keen on developing consultancy services and welcomes funding research from outside agencies. The Department in the year 2019-20 has received a funding of Rs.2,72,000 under AICTE-STTP Scheme for MATLAB Research Methodology project, Rs. 3,00,000 under AICTE-STTP scheme for Hybrid Electric Utilities Project and Rs.11,00,000 under AICTE-RPS Scheme for Development of Low-Cost Flexible Quality Conditioner to Mitigate Power Quality Issues and MODROBS for special electrical machines to the tune of Rs.17 Lakh.

#### **ABOUT THE FDP**

Deterioration in air quality, global warming, and a decrease in petroleum resources are becoming the major threats to human beings. More and more stringent emissions and fuel consumption regulations are stimulating an interest in the development of safe, clean, and high-efficiency transportation. It has been well recognized that electric, hybrid electric, and fuel-cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades,

the research and development activities related to of high efficiency, clean, and Modern Electric, Hybrid Electric, and Fuel Cell Vehicles safe transportation.

#### **TOPICS TO BE COVERED IN STTP**

- Over View of Electric Vehicle & Govt. Policies
- Hybrid Electric Vehicle and its performance
- Electric Vehicle Mechanics and Modelling
- Power Converters for Electric Vehicles
- PM motor Drives for EVs
- Induction Machine Drives for EVs
- High Energy Batteries
- Charging Stations & Wireless Chargers
- Testing & Certification
- PWM Techniques for Inverters

#### **RESOURCE PERSONS**

Resource Persons will be from Renowned Institutions such as IIT's/NIT's, Industries like Tata Motors, and host Institution.

#### **TARGET GROUP**

The STTP is expected to benefit Engineers, Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.





### AICTE – Sponsored Short Term Training Program (STTP-Phase-2) Schedule *On*

#### TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

02<sup>nd</sup> - 07<sup>th</sup>November 2020

	11.30 AM – 1.00 PM		2.30  PM - 4.00  PM
02-11-2020 Monday	Overview of Electric Mobility, Policy and Guidelines, National and International Trends and Challenges Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)		Permanent Magnet Motor drives for Electric Vehicle Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)
03-11-2020 Tuesday	Hybrid Electric Vehicle, Series/Parallel Hybrid, Plug-in Hybrid Vehicle Dr. U.K. Choudhury, Prof. &Director(I&I), CBIT, (Ex ED, CTM, BHEL)		Advances in Multi-Level Inverters Dr. P. Satish Kumar, Associate Professor, Dept. of EEE, Osmania University
04-11-2020 Wednesday	Electric Hybrid Vehicle Mechanics, Modelling and Performance Calculation Dr. U.K. Choudhury, Prof. &Director(I&I), CBIT, (Ex ED, CTM, BHEL)	nch break	Design and Analysis of Power Converters for Electric Vehicles, Dr. Krishna Vasudevan, Professor, IIT Chennai
05-11-2020 Thursday	Power Converters for Hybrid Electric Vehicle Dr. O. Chandrasekhar, Associate Professor, Dept. of EE, NIT-Srinagar	Lun	Open-end winding Induction Motor Drives Dr. V.T. Soma Sekhar, Professor, Dept. of EE, NIT-Warangal
06-11-2020 Friday	Testing and Certification Mr. Manoj Desai, General Manager, ARAI, Pune		High Energy Batteries for EV Applications Dr. S. Venugopalan, Prof. PES College of Engg. (Ex ISRO Official)
07-11-2020 Saturday	Electric Vehicle for Transport Application Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd.		Test, Feedback and valedictory

Totally 84 participants from 8 states registered for the STTP, but 58 participants regularly attended the program out of which 48 received certificates by clearing the end examination with equal to or more than 60% in which was conducted on the last day i.e. on 07-11-2020. Every day two sessions are conducted (tone in the morning and one in the evening) which is of 1 ½ hour duration. The program was conducted on google-meet platform. After the completion of each session the attendance and feedback forms are shared in the chat box. The detailed report of each session is given below.

02-11-2020 Session-1 Time: 11:30 AM to 01:10 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Introduction to Electric Mobility, Policy and Guidelines, Trends and Challenges

The session started with drivers for electric mobility, present scenario & challenges, govt initiatives and forecast, types of EVs, HEVs and their components, fuel cell EV, charging infrastructure and technology, strategy for R&D and manufacturing and opportunities. Then he discussed about electric vehicle components of pure electric vehicle with front wheel drive, back wheel drive and four-wheel drive. He also explained about rechargeable battery electric vehicle. Sir shown a statistic of usage of cars in all over the world along with Indian EV market growth in 2020.

02-11-2020 Session-2 Time: 02:30 PM to 04:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

**Topic: Permanent Magnet Motor Drives for Electric Mobility** 

In this session, the design aspects, advantages, classification and applications of the permanent magnet machines are discussed. The performance requirement of electric vehicle in terms of torque density, power density speed range, efficiency, hill climbing, intermittent overload capacity, overtaking, reliability, robustness, low acoustic noise and reasonable cost are discussed. Sir shown different pictures of permanent magnets, precision thin material, flexible magnets and the comparison between various magnets are discussed. Domain movement during magnetization, magnetizer and critical points for permanent magnet generators are deliberated.

03-11-2020 Session-1 Time: 11:30 AM to 1:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Hybrid Electric Vehicle, Series/Parallel Hybrid, Plug-in Hybrid Vehicle

Session started with the basic components of Power electronics, Significance of Static switches, PI control gains in the design of power converters, Importance of IGBT in the medium voltage high current applications, Intelligent power modules, Latest materials used in power devices like Silicon carbide, Gallium Arsenide, Thin Film, Superconductors etc. then presented the types of electric vehicles, Basic design aspect of converters like Importance of technical specifications, Application standards, selection of semiconductor device, EMI/EMC standards, DC link capacitor. The continued with Scalar & vector control of induction motor.

03-11-2020 Session-2 Time: 02:30 PM to 04:00 PM

Speaker: Dr. P. Satish Kumar, Associate Professor, Dept. of EEE, Osmania University

**Topic: Advances in PWM techniques for Inverters** 

The resource person has given overview of Space-Vector pulse width modulation-based algorithm for multilevel inverters. He explained different pulse width modulation techniques used for multilevel inverters. He started with conventional two-level inverter operation and he focussed on detailed explanation of space-vector pulse width modulation technique. He has shown the comparison between two level and three level inverters in various parameters.

04-11-2020 Session-1 Time: 11:30 AM to 1:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Electric Hybrid Vehicle Mechanics, Modelling and Performance Calculation

The session started with a description on series and parallel electric vehicle and regenerative breaking in electric vehicles, and the comparison of TCO and payback for electric vs diesel buses. The variation of braking with respect to deceleration rate has explained. The concept of rolling resistance and grading resistance of road has been discussed for different types of roads. The torque development of the motor with respect to different surfaces is explained. Later, he discussed about aero dynamics concept of wind pressure on vehicle. How the rolling resistance varies with the speed of the vehicle has shown in the graph.

04-11-2020 Session-2 Time: 02:30 PM to 04:00 PM

Speaker: Dr. Krishna Vasudevan, Professor, IIT Chennai

Topic: Design and Analysis of Power Converters for Electric Vehicles

Sir started the session with steps involved for designing an inverter. He explained the selection procedure for power device based on current rating and power loss. Heat sink design considerations explained for inverter. Then he differentiated between diode voltage drop and IGBT voltage drop during selection of power device. The design of DC bus with a decoupling capacitor has been discussed. He also given detailed description about gate driver circuits by considering dead time and its effects.

05-11-2020 Session-1 Time: 11:30 AM to 1:00 PM

Speaker: Dr. O. Chandrasekhar, Associate Professor, Dept. of EE, NIT-Srinagar

Topic: Power Converters for Hybrid Electric Vehicle

In this lecture, sir has given a detailed explanation of converter regarding objective, applications, IEC standards, general representation of converters. He compared various topologies implemented and available for converters and implementation of IB3 converter. For a given duty cycle what is a simulated voltage and what is a theoretical voltage also been explained. Then the same voltages have observed with different duty cycle. He has shown graphical explanation of power factor, efficiency and ripple content with respect to duty cycle variation. He also discussed the total

harmonic distortion by varying the voltage from 90 volts to 260 volts, and load with different impedances. for a proposed topology.

05-11-2020 Session-2 Time: 02:30 PM to 04:00 PM

Speaker: Dr. V.T. Soma Sekhar, Professor, Dept. of EE, NIT-Warangal

**Topic: Open-end winding Induction Motor Drives** 

This session started with two level inverter concepts. The switches toggling, current waveform and voltage waveform has been explained with wave shape and it is non sinusoidal. Then he discussed the drawback of non-sinusoidal voltage given to induction motor. And sir discussed about pole voltage, motor phase voltage and common mode voltage with calculation of motor phase voltage with remaining two voltages. Sir has given detailed description of switching states and null states of two level inverter with total harmonic harmonic spectra with modulation and without modulation. He said how to get three level from two level inverter using space vector modulation. Then neutral point clamped and cascaded inverter concepts have been explained. He focussed on open end winding induction motor with isolated DC source. How to reduce the effect of zero sequence currents also been discussed.

06-11-2020 Session-1 Time: 11:30 AM to 1:00 PM

Speaker: Mr. Manoj Desai, General Manager, ARAI

**Topic: Testing and Certification** 

This session is on testing and certification of electric vehicles. Sir has explained why the standards are required and salient features of electric vehicle. The regulation frame work and the rules followed by vehicle certification of less than 250 watts rating. Also discussed about type approval testing with verification, safety and performance. Then the battery management systems and their performance has been discussed. He focussed on ARAI approaches such as AIS 038 for M and N vehicles, AIS 156 high category vehicle. Described about the AIS 157 and 168 for fuel cell and agricultural. The classification and standards for battery charging stations also depicted. The phase-2 of FAME scheme implemented by govt of India is also been discussed.

06-11-2020 Session-2 Time: 02:30 PM to 04:00 PM

Speaker: Dr. Venugopal, Ex- ISRO official.

**Topic: High Energy Batteries and Performance** 

Started with definition of battery and its specifications like energy density, power density and safety. Classification of batteries based on active materials, electrolytes, and case materials etc. And then he discussed about various materials used for anode, cathode, separator and electrolyte etc. He quoted about evolving process of Lithium manganese aluminium oxides in the battery technology. Sir has focussed more on progress of Lithium ion, silicon anode and try electrode. Then he discussed about electric vehicle battery pack design trade off. He quoted about aerodynamics and electric vehicles in the city limits. National Automotive testing R&D infrastructure project is also been discussed. Sir explained about battery swapping also.

07-11-2020 Session-1 Time: 11:30 AM to 1:00 PM

Speaker: Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd.

**Topic: Electric Vehicle for Transport Application** 

The vehicles landscape in India is introduced by the resource person. Discussed about EVs, BEVs, ZEVs & BOU etc., electric vehicles viabilities like charging infrastructure, increased efficiency, reduction of cost and policies related to motor drive technology. He more focused on innovation, life cycle, project management. Then continued with the products developed for various applications like EVs in golf-carts, vehicles for cleaning of solar panels, e-ambulances in hospitals, missile carriers in defence sector, vehicles for vigilance & security, forest & tourism, public health and sanitation by Tejaswi Green Engg. Pvt. Ltd.

#### **AICTE – Sponsored Short Term Training Program (STTP-Phase-2)**

On

### TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR $02^{\rm nd}$ - $07^{\rm th}November~2020$

#### List of participants shortlisted for Certificates

PDF	Participant Name (which you want to	Registered Email	Name of the College/Industry
No.	be printed on the certificate)		
2	S Manohar Reddy	sayri.manohar@gmail.com	S Manohar Reddy
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			Rajouri J&K UT India
4	R Chander	chander.ramavath@gmail.com	University college of engineering osmania University
_			Hyderabad
5	Dr. K.MUTHU	mkrithivasan283@gmail.com	Institute of Chemical Technology, Taramani, Chennai 113
6	Dr.P.MARISH KUMAR	p.marishkumar@gmail.com	EASWARI ENGINEERING COLLEGE
7	SRINU BHUKYA	srinu.bhukya@gmail.com	OSMANIA UNIVERSITY
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9	ABHAS KUMAR SINGH	abhasnith@gmail.com	IEEE (MEMBER)
10	Amar Nath sah	amar@nii.ac.in	National Institute of Immunology
11	ENUMULA MANOJ	enumulamanoj@gmail.com	Jayamukhi Institute of Technological Sciences
12	Madgula Satyanarayana	m.satyaa78@gmail.com	Jayamukhi institute of technological sciences
13	BIBHU PADARBINDA MOHANTY	bibhu.cetb@gmail.com	COLLEGE OF ENGINEERING AND TECHNOLOGY,
			BHUBANESWAR
14	Edara V C Sekhara Rao	sekhararao_eee@mvsrec.edu.in	M. V. S. R. Engineering College
15	Venkateswarlu Velisala	2venkee@gmail.com	VKR VNB & AGK College of Engineering
16	BURRI ANKAIAH	anks202@gmail.com	REVA University
17	VIKRAM SINGH BHATI	bhati.vikram2@gmail.com	ARYA COLLEGE OF ENGINEERING AND
			INFORMATION TECHNOLOGY
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20	PRITAM SINGHA RAY	pritam.singha.ray@gmail.com	Bankura Government Polytechnic
21	PRAKASH C	prakashvaiju@gmail.com	JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
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24	KIRAN YADDANAPUDI	kiran045@gmail.com	Jawaharlal Nehru Technological University Hyderabad, Hyderabad
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27	K.Krishnaveni	krishnaveni_eee@cbit.ac.in	Chaitanya Bharathi Institute of Technology
28	KOLA SURESH KUMAR	kolasuresh18@gmail.coom	ANURAG COLLEGE OF ENGINEERING
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30	Elisha Undeti	elisha27u@gmail.com	Vasavi College of Engineering
31	DEVAREDDY HARSHA	dharsha_eee@cbit.ac.in	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)
32	KUNTLA VEERESHAM	veeresham_k@vnrvjiet.in	VNR Vignana Jyothi Institute of Engineering and Technology
33	Mrs.N.PRIYA	priya.n@eec.srmrmp.edu.in	EASWARI ENGINEERING COLLEGE
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36	CHENNAIAH BANOTH	banoth.chennaiah@gmail.com	JNAFA UNIVERSITY
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38	V RAJA KUMAR	coolvrajkumar@gmail.com	GITAM DEEMED TO BE UNIVERSITY
39	Ms.R.RAMYA	chanmeya.17@gmail.com	K.S.K COLLEGE OF ENGINEERING AND TECHNOLOGY
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46	GOTTIPATI MADHURI	gottipati.madhuri@gmail.com	Vignan Institute of Technology and Science
47	N NAGESWARA REDDY	nageshreddy218@gmail.com	NIT TIRUCHIRAPPALLI
48	S.KARKUZHALI	skarkuzhali.eee@rmd.ac.in	R.M.D. ENGINEERING COLLEGE

### AICTE\_STTP2\_CBIT\_Exit-Feedback & Quiz

\* Required

1.	Participant's Registered ID *
2.	Participant Name (which you want to be printed on the certificate) *
3.	Registered Email *
4.	Participant Designatiton *  Mark only one oval.  Student  Assistant Professor  Associate Professor  Professor  Industry Personnel  Research scholar
5.	Department *

6.	Name of the College/Industry *
7.	Do you think the event helps in your future works? *
	Mark only one oval.
	Yes
	No
	Maybe
8.	How do you rate the planning of the event? *
	Mark only one oval.
	1 2 3 4 5
	Poor Excellent
9.	How do you rate the conduction of the event? *
9.	
	Mark only one oval.
	1 2 3 4 5
	Poor Excellent

	1	2	3	4	5	
Poor						Excellent
What	is your	· level o	of satis	factior	ı with t	his event? *
Mark o	nly one	oval.				
	1	2	3	4	5	
Less						Most
	n asped		ne even	ıt did y	ou like	most? *
Mark o	-	e oval. g tion		it did y	ou like	most? *

14.	What are the technical areas you are expecting from us in our future events?	<b>k</b>
15.	Any suggestions/Requests? *	
Qu	ıiz	
16.	1. The standards/regulations are to be approved for *	1 point
	Mark only one oval.	
	social demand	
	technology advancement	
	c. performance requirements	
	d. All the above	
17.	2. What is the standard used for testing the electric shock of electric vehicles? *	1 point
	Mark only one oval.	
	AIS 38	
	AIS 39	
	AIS 40	
	AIS 41	

18.	3. Standard AIS-048 is for *	1 point
	Mark only one oval.	
	construction test for EVs	
	performance and abuse testing of traction batteries	
	Electric shock testing	
	Energy consumption testing of EVs	
19.	4. In the dc-dc converter, conversion ratio (M) is a function of *	1 point
	Mark only one oval.	
	input voltage	
	input frequency	
	duty ratio	
	number of switching devices	
20.	5. Un-abbreviate IB3 *	1 point
_0.		. po
	Mark only one oval.	
	integrated buck-buck-boost	
	integrated boost-buck-boost	
	integrated buck-boost-buck	
	integrated bipolar-buck-boost	

21.	6. How many resistors are required to model the thermal modeling of a power device? *	1 point
	Mark only one oval.	
	1	
	2	
	3	
	<u> </u>	
22.	7. Specific heat of aluminum, J/kg/K *	1 point
	Mark only one oval.	
	750	
	800	
	850	
	900	
23.	8. In an inverter, the diode voltage drop and IGBT voltage drop are *	1 point
	Mark only one oval.	
	same	
	different	
24.	9. In the inverter, the decoupling capacitor must not be placed closer to the	1 point
	inverter device. *	
	Mark only one oval.	
	True	
	False	

25.	10. What is the mobile-ion in an Alkaline Fuel cell? *	1 point
	Mark only one oval.	
	OH-	
	OH+	
	<u>02+</u>	
	<u>02-</u>	
26.	11. BMS stands for *	1 point
	Mark only one oval.	
	battery management system	
	battery monitoring system	
	battery maintenance system	
	battery making system	
27.	12. Pure Electric Vehicle consists *	1 point
	Mark only one oval.	
	only batteries	
	only electric motors	
	batteries and ICEs	
	batteries and electric motors	

28.	13. The energy source for FEVs is *	1 point
	Mark only one oval.	
	electricity	
	liquid fuel	
	gaseous fuel	
	hydrogen	
29.	14. Which type of Electric Vehicles is suitable for city transportation? *	1 point
	Mark only one oval.	
	series type	
	parallel type	
20	15 hotton ( oon (out o	
30.	15. battery converts *	1 point
	Mark only one oval.	
	heat to electrical energy	
	chemical energy to electrical energy	
	electrical energy to chemical energy	
	strain to electrical energy	
31.	16. Disadvantage of electric vehicles *	1 point
	Mark only one oval.	
	clean energy	
	zero emision	
	mileage range	
	energy saving	

32.	17. In electric vehicles, the battery will be connected to the propulsion motor through*	1 point
	Mark only one oval.	
	Rectifier	
	DC capacitor	
	Inverter	
	dc-dc converter	
33.	18. The value of pole voltage in a 3phase, 2-level inverter is *	1 point
	Mark only one oval.	
	Vd/2	
	0	
	Vd	
	0 and/or Vd	
34.	19. To synthesize pure sinusoidal, an N-level inverter should possess number of switching states *	1 point
	Mark only one oval.	
	2N	
	3N	
	9N	
	Infinite	

35.	20. In 2-level inverter, the null state is *	1 point
	Mark only one oval.	
	(+,-,+)	
	(+,+,+)	
	(-,-,+)	
	(+,-,-)	

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Google Forms

				Chait	anya Bharathi	Instituteof	Technology(A) F	Hyderabad			
				<u> </u>		Department	of EEE				
				AICTE - S	ponsored Sho	rt Term Tra	ining Program (	STTP-Phase	e-2)		
						on					
			TRENDS 8	& CHALLENG	ES OF HYBRID	ELECTRIC	DRIVE UTILITI	ES IN TRAN	SPORT SECTO	DR	
	I=	1_	I=	1			ember 2020	D	T		
S.No.	Particiapant Name	Score	Do you think the event helps in your future works?	How do you rate the planning of the event?	How do you rate the conduction of the event?	How about the quality of the lectures?	What is your level of satisfaction with this event?	Which aspect of the event did you like most?	Are you likely to participate in our events in the future?	What are the technical areas you are expecting from us in our future events?	Any suggestions/ Requests?
1	S Manohar Reddy	12 / 20	Yes	4	4	4	5	Resource persons	Yes	_	Plz share ppts
2	Yassar Arfat	13 / 20	Yes	5	5	5	5	All	Yes	_	Excellent
3	R Chander	14 / 20	Yes	5	5	5	5	planning	Yes	Both electrical engineering and mechanical engineering	Both electrical engineering and mechanical engineering
4	Dr. K.MUTHU	15 / 20	Yes	5	4	4	4	All	Yes	Chemical engg. to incorporate	More informative
5	Dr.P.MARISH KUMAR	15 / 20	Yes	5	5	5	5	All	Yes	GOOD IN ALL	Nil
6	SRINU BHUKYA	16 / 20	Yes	5	4	4	4	All	Yes	Wind Energy conversion	No
7	SUDHIR KUMAR SHARMA	17 / 20	Yes	5	5	5	5	All	Yes	ELECTRIC MOTOR	very informative sessions
8	ABHAS KUMAR SINGH	20 / 20	Yes	5	5	5	5	All	Yes	ELCTRICAL AND ELECTRNICS, AI, RESTRUCTURING	NA
9	Amar Nath sah	17 / 20	Yes	5	5	5	5	All	Yes	power distribution and renewal energy	Pls organize such useful event in future
10	ENUMULA MANOJ	17 / 20	Yes	5	5	5	5	All	Yes	Power system deregulation and Microgrids	No
11	Madgula Satyanarayana		Yes	5	5	5	5	All	Yes	Power Systems deregulation by AI Systems	No
12	BIBHU PADARBINDA MOHANTY	13 / 20	Yes	5	5	5	5	All	Yes	Renewable Energy	Please organise physical FDP after this pandemic
13	Dr. Edara V C Sekhara Rao	14 / 20	Yes	5	5	5	5	All	Yes	Automobile, Chemical, Al	Nil

14	Venkateswarlu Velisala	12 / 20	Yes	5	5	5	5	All	Yes	Integration of renewable energy sources	NA
15	BURRI ANKAIAH	16 / 20	Yes	5	5	5	5	All	Yes	Modern Electrical vehicles	Very good
16	VIKRAM SINGH BHATI	16 / 20	Yes	4	5	5	4	All	Yes	Renewable energy Sources integration with power system	Please give us opportunity to join or attend such type of events or FDP in future again. All sessions were really informative. Thanks to all the team who succesfully organised this FDP.
17	M.VENKATACHALAM	14 / 20	Yes	5	5	5	5	All	Yes	ARTIFICIAL INTELLIGENCE AND RES	NO
18	Dr.K.V.THILAGAR	18 / 20	Yes	5	5	5	5	Resource persons	Yes	Converter design	No
19	PRITAM SINGHA RAY	19 / 20	Yes	5	4	5	4	All	Yes	lot	No
20	PRAKASH C	14 / 20	Yes	5	5	5	5	All	Yes	SMART GRID TECHNOLOGY	NO COMMENTS
21	Mr. MD SAZZAD	16 / 20	Maybe	4	4	4	4	Resource persons	Yes	POWER SYSTEM TRANSIENT STABILITY IMPROVEMENT	No
22	RASMIRANJAN SAMAL	12 / 20	Yes	4	4	4	4	All	Yes	-	nothing
23	KIRAN YADDANAPUDI	16 / 20	Yes	5	5	5	5	All	Yes	Latest Trends in Electrical Engineering	In Future, Concentrate on Applications of AI and ML Concepts in Electric Vehicles.
24	Dr. P. RAMKISHORE KUMAR REDDY	19 / 20	Yes	5	5	5	5	All	Yes	Smart Grid	Nothing
25	Dr.P.Lakshmi Supriya	19 / 20	Yes	5	5	5	5	All	Yes	Block chain technology	No
26	Dr.K.Krishnaveni	19 / 20	Yes	5	5	5	5	All	Yes	Al applications to electrical engineering	No
27	KOLA SURESH KUMAR	16 / 20	Yes	4	4	4	4	All	Yes	ELECTRICAL RELATED	NO
28	DASYAM SUSHMA	17 / 20	Yes	5	5	5	5	All	Yes	Renewable resources, power system	Need some more interaction

29	Elisha Undeti	16 / 20	Yes	4	4	4	4	Resource persons	Yes	Practical Aspects like: Prototype, Simulation etc.	No
30	DEVAREDDY HARSHA	18 / 20	Yes	5	4	5	4	All	Yes	Design aspects of converters for batteries in Electrical Vehicles	No suggestions
31	KUNTLA VEERESHAM	15 / 20	Yes	5	5	5	5	All	Yes	EVs	Very Useful
32	Mrs.N.PRIYA	13 / 20	Yes	5	5	5	5	All	Yes	Electric Vehicles	Useful and informative.
33	S.Rajesh	12 / 20	Yes	5	5	5	5	All	Yes	variable speed generators	conduct more events like this
34	ARUL SELVAN S	19 / 20	Yes	5	5	5	5	All	Yes	EV MOTOR AND DRIVES	NO
35	CHENNAIAH BANOTH	15 / 20	Yes	5	4	4	5	All	Yes	ELECTRICAL INCLUDING CHEMICAL AND AUTO MOBILE ENGINEERING	NO
36	JAGDISH PITAMBAR DHOLWANI	12 / 20	Yes	5	5	5	5	All	Yes	POWER QUALITY ISSUES	NO
37	V RAJA KUMAR	12 / 20	Yes	5	5	5	5	All	Yes	RENEWABLE ENERGY	GOOD
38	Ms.R.RAMYA	12 / 20	Yes	4	5	5	5	planning	Yes	Image processing	Nothing
39	Dr.M.RAJMAL JOSHI	14 / 20	Yes	5	4	4	4	All	Yes	Any ideas	Nil
40	CHADARAM CHANDRA SEKHAR	13 / 20	Yes	5	5	5	5	All	Yes	ABOUT POWER SYSTEM, RENEWABLE ENERGY, EVs	PLEASE PROVIDE US RECORDINGS OF ALL SESSIONS
41	Dr. ANANTHABABU PALAPARTHI	14 / 20	Yes	5	5	5	5	All	Yes	Power Electronics	Good
42	Swati Paliwal	15 / 20	Yes	5	5	5	5	Resource persons	Yes	Wind	Good
43	VIGNESH G	16 / 20	Yes	5	5	5	5	All	Yes	Internet of things and Machine Learning	Good session
44	TIPIRISETTI RAKESH	13 / 20	Yes	5	5	5	5	All	Yes	Lithium ion battery equivalent circuit	NA
45	GOTTIPATI MADHURI	14 / 20	Yes	4	5	3	4	conduction	Yes	EV and Automotive Embedded and Artificial Intelligence – Applications in Electric Drives	No
46	N NAGESWARA REDDY	16 / 20	Yes	5	5	5	5	All	Yes	MICROGRID PROTECTION	NO
47	S.KARKUZHALI	17 / 20	Yes	5	5	5	5	All	Yes	MODELING HEV	NIL

#### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD-75

#### Department of Electrical & Electronics Engineering

Date: 18-01-2021

Minutes of the meeting conducted on 18th January, 2021.

#### Members Present:

1. Dr. G. P. Saradhi Varma, Principal, CBIT

2. Dr. G. Suresh Babu, Prof & Head, Dept. of EEE,

3. Dr. U.K. Choudhury, Prof. Dept. of EEE,

4. Dr. D. Krishna Reddy, Head, Dept. of ECE,

5. Dr. P.V. R. Ravindra Reddy, Head, Dept. of Mechanical Engg.,

6. Dr. T. Murali Krishna, Assoc. Prof, Dept. of EEE,

7. Dr. N. Vasantha Gowri, Asst. Prof, Dept. of EEE

8. Dr. N.V. Phanendra Babu, Asst. Prof, Dept. of EEE,

The meeting started with the greetings from the Head of the department.

Item No.1: To Conduct STTP Phase-III on on-line mode

Minutes: HoD asked the coordinator of STTP to prepare Brochure & Schedule for STTP as per the AICTE guidelines and send the invitation link to AICTE.

Item No.2: Conduct of STTP

Minutes: Dr. U. K. Choudhary suggested resource persons for the STTP.

Dr. N. Vasantha Gowri & Dr. N. V. Phanendra Babu are asked be the cocoordinators for Phase-3

#### CHIEF PATRON

Kavi Kireeti Dr. V. MALAKONDA REDDY President, CBIT

#### PROGRAM EVALUATION COMMITTEE

Prof. G. P. SARADHI VARMA (Chairman)
Principal, CBIT

Prof. U. K. CHOUDHURY (Subject Expert)
Director I&I, CBIT

Prof. D. KRISHNA REDDY (Member) Head, Dept. of ECE

Prof. P.V.R. RAVINDRA REDDY (Member) Head, Dept. of Mechanical Engineering

> Dr. T. MURALI KRISHNA Coordinator - STTP

#### **CONVENER**

Prof. G. SURESH BABU Head, Dept. of EEE

#### **CO-COORDINATORS**

**Dr. N. VASANTHA GOWRI**Assistant professor, Dept. of EEE

**Dr. N. VENKATA PHANENDRA BABU**Assistant professor, Dept. of EEE

Registration Fee : Free

#### **IMPORTANT DATES**

Last date for Registration :17-02-2021
Intimation of selection :19-02-2021

#### **HOW TO APPLY**

The applicants should fill the Registration Form through Google Forms using below link

E-certificate will be issued to those Participants who attend all the sessions and clear the exam with 60% marks.

#### FOR FURTHER DETAILS PLEASE CONTACT

E-mail: sttpeee@cbit.ac.in

Mobile: 7702578106, 9052221446, 9866479770

#### **REGISTRATION LINK**

https://forms.gle/Y7usarJ88XUCbt286









AICTE - Sponsored Short Term Training Program (STTP-Phase-III)

on

#### TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

22<sup>nd</sup>- 27<sup>th</sup>February, 2021

Organized by

Department of Electrical & Electronics
Engineering

Chaitanya Bharathi Institute of Technology

(Autonomous under UGC)
Affiliated to Osmania University
Gandipet, Hyderabad – 500075
Telangana State, India.

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

CBIT is one of the premier Engineering Institute in INDIA, pioneer in Telangana State, which is at idyllic surroundings of Gandipet Lake, Hyderabad. The college offers Nine UG and Eleven PG programs. It has been standing as a temple of knowledge for the past 42 years by producing about 25,000 Eminent and skillful Graduate Engineers, who are successful in their Careers, serving all over the world. The Institute has been accredited by NBA--AICTE and NAAC--UGC. UGC has granted Autonomous Status from the Academic Year 2013-14 onwards. The Grants received from AICTE/UGC are worth about Rs. 2.5 Crores. Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected to secure Placements in MNCs through College Career Development Center.



#### ABOUT THE DEPARTMENT

CBIT started Electrical & Electronics Engineering UG course in 1994 and was accredited thrice i.e. in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a PG course in Power Systems & Power Electronics in 2006 with an intake of 18 and was accredited by NBA in the year 2016. The Department has highly qualified and experienced faculty. The Department is having well equipped labs with latest Hardware & Software. The Department is also certified by ISO 9001:2008. The Department is recognized as Research Centre in 2017 by Osmania University to carry out research for the award of Ph.D. degree. The Department is keen on developing consultancy services and welcomes funding research from outside agencies. The Department in the year 2019-20 has received a funding of Rs.2,72,000 under AICTE-STTP Scheme for MATLAB Research Methodology project, Rs. 3,00,000 under AICTE-STTP scheme for Hybrid Electric Utilities Project and Rs.11,00,000 under AICTE-RPS Scheme for Development of Low-Cost Flexible Quality Conditioner to Mitigate Power Quality Issues and MODROBS for special electrical machines to the tune of Rs.17Lakh.

#### **ABOUT THE STTP**

Deterioration in air quality, global warming, and a decrease in petroleum resources are becoming the major threats to human beings. More and more stringent emissions and fuel consumption regulations are stimulating an interest in the development of safe, clean, and high-efficiency transportation. It has been well recognized that electric, hybrid electric, and fuel-cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades, the research and development activities related to transportation have emphasized

the development of high efficiency, clean, and Modern Electric, Hybrid Electric, and Fuel Cell Vehicles safe transportation.

#### Topics to be covered in STTP

- Introduction, Trends of Electric Vehicle & Govt. Policies
- Hybrid Electric Vehicle and its performance
- Electric Vehicle Mechanics, Modeling & Vehicle to Grid Technology
- Modeling & Design of Power Converters for Electric Vehicles
- Design & Manufacturing of PM motor Drives for EVs
- Design & Manufacturing of Induction Machine Drives for EVs
- Energy Storage devices for EVs
- Charging Stations & Wireless Chargers
- PWM Techniques for Inverter

#### **RESOURCE PERSONS**

Resource Persons will be from Renowned Institutions such as IIT's/NIT's, Industries and host Institution.

#### **TARGET GROUP**

The STTP is expected to benefit Engineers, Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.





### AICTE – Sponsored Short Term Training Program (STTP-Phase-3) Schedule On

#### TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVEUTILITIES IN TRANSPORT SECTOR

22<sup>nd</sup>- 27<sup>th</sup>February 2021

		22 - 27 February 2021	, ,	
	11:00 AM	I – 12.30 PM		2.30 PM – 4.00 PM
22-02-21 Monday		cy and Guidelines, Trends and Challenges ctor(I&I), CBIT, (Ex ED, CTM, BHEL)		Electric Vehicle Components and Market Scenarios Mr. Raunak Chaudhary Senior design Engineer, ISIE INDIA
23-02-21 Tuesday	1	Design of Power Converters for EVs an, Professor, IIT Chennai		Fuel Cell as Energy Storage Device in Electric Vehicle Mr. S. Ravi, M.D, S.R. Hybrid Fuel Cell
24-02-21 Wednesday	Hybrid Electric Vehicle Mechanics, Modelling and Performance Calculation Dr. U.K. Choudhury, Prof. &Director(I&I), CBIT, (Ex ED, CTM, BHEL) (10:00AM -11:30 AM)	Reliability Analysis Techniques Prof. V N Achutha Naikan, Professor, IIT Kharagpur (11:45 PM -12:45PM)	break	<b>EMI &amp; EM Compatibility</b> Sri. N. V. P. R. Durga Prasad Ex-AGM , BHEL
25-02-21 Thursday	& Software to desi	PM Motors for Traction Applications ign e-mobility motors ctor(I&I), CBIT, (Ex ED, CTM, BHEL)	Lunch break	Testing and Certification Mr. Manoj Desai, General Manager, ARAI, Pune
26-02-21 Friday		ng Stations nior DGM, BHEL, Hyderabad		Wireless Charging & Vehicle to Grid Technology Dr. U.K. Choudhury, Prof. & Director (I&I), CBIT, (Ex ED, CTM, BHEL)
27-02-21 Saturday	Induction Motors for Electric Mobility Mr. A. Venkanna, Deputy Manager, EM Lab, BHEL (10:00AM -11:30 AM)	Vector Control of Electrical Motor Drives for Electric Vehicles Dr. G. Tulasi Ram Das Former Vice-chancellor (JNTUK) Prof, Dept of EEE, JNTUH (11:30 PM -12:30 PM)		High Energy Batteries for EV Applications Dr. S. Venugopalan (Ex ISRO Official) Feed Back, Exam & Valedictory

Coordinator-STTP

HoD - EEE, CBIT

Totally 100participants from 6 states registered for the STTP, but 58 participants regularly attended the program out of which 52 received certificates by clearing the end examination with equal to or more than 60% in which was conducted on the last day i.e. on 27-02-2021. First four days two sessions are conducted (one in the morning and one in the evening) which is of 1 ½ hour duration. Last two days three sessions are conducted. The program was conducted on google-meet platform. After the completion of each session the attendance and feedback forms are shared in the chat box. The detailed report of each session is given below.

22-02-2021 Session-1 Time: 11:00 AM to 12:30 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Introduction to Electric Mobility, Trends, Challenges & Opportunities

The session started with drivers for electric mobility, present scenario & challenges, govt initiatives and forecast, types of EVs, HEVs and their components, fuel cell EV, charging infrastructure and technology, strategy for R&D and manufacturing and opportunities. Then he discussed about electric vehicle components of pure electric vehicle with front wheel drive, back wheel drive and four-wheel drive. He also explained about rechargeable battery electric vehicle. Sir shown a statistic of usage of cars in all over the world along with Indian EV market growth in 2020.

22-02-2021 Session-2 Time: 02:30PM to 04:00 PM

Speaker: Mr. Raunak Chaudhary, Senior Design Engineer, ISIE, India

**Topic: Electric Vehicle Components and Market Scenarios** 

The afternoon session who primary & secondary cells are used in a battery, how different drives are used to provide pickup for a single vehicle and their synchronization. Then the resource person illustrated on EV global & domestic sales post covid-19 market. Then the session continued with EV battery prices, battery energy densities after 2010, Average EV range, Average EV charging speed etc.

23-02-2021 Session-1 Time: 11:00 AM to 12:30 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Design & Manufacturing of Special PM Motors for Traction Applications

In this session sir has introduced different types of motors and the motors suitable for electric vehicles. He explained about the Permanent magnet machines used in electric mobility. The session continued with different constructional features of permanent magnet machines, comparison of various magnets like ALNICO, FERRITE, SMCO, NDFEB etc. Then sir discussed about the characteristic comparison of soft magnetic and hard magnetic materials.

23-02-2021 Session-2 Time: 02:30 PM to 04:00 PM

Speaker: Mr. S. Ravi, M.D., S.R. Hybrid Fuel Cell

Topic: Fuel Cell and its application in Electric Vehicle

The resource person has given overview fuel cell as a future source of electric vehicle, hydrogen economy, polymer electrolyte membrane, solid oxide fuel cells, their basic components, membrane electrode assembly. Then continued with bipolar plate fabrication cell, assembly of stack, stack testing. Explained how a battery operated excavator works with fuel cell, evaluation and testing of fuel cells, FCEV cars, FCEV bus etc

24-02-2021 Session-1 Time: 11:00 AM to 12:30 PM

Speaker: Prof. V. N. Achuta Naikan, Professor, IIT Kharagpur

**Topic: Reliability Analysis Techniques** 

In this session Naikan sir distinguished between quality and reliability analysis. Quality is fitness for use/application, conformance to design specification like dimensions, strength, slope, finish, efficiency etc. Reliability is the [probability that the system thus intended function adequately over period of time under the prescribed conditions he inferred that quality is static measure and reliability is dynamic measure. Purpose of reliability is to find wide does a work/component fails? How to minimise failures, to predict how often a work fails, what is the reason for failure how to minimise the failure and what are consequence of failures. Then summarised reliability engineering topics like analysis and prediction and life testing, estimation, design and allocation, fault diagnosis, system safety and risk analysis and maintainbity etc.. The session ended with bath tub curve, failure analysis like FTA, FMECA etc.

24-02-2021 Session-2 Time: 02:30 PM to 04:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

**Topic: Design Hybrid Electric Vehicle Mechanics, Modeling and Performance Calculation** 

In this session the resource person discussed about development of PM materials, domain movement during magnetization, hard & soft magnetic materials, effect of air gap length & magnetic thickness, critical points in PMG design like steady-state operation, stabilization, transient operation, effect of temperature on permanent magnets etc. Then sir introduced the basic structure of hybrid electric vehicle, series hybrid and parallel hybrid electric vehicle comparison, rolling resistance, aerodynamic drag, grading resistance etc. The session ended with the challenges to EVs power converters, electric machines, electromagnetic interference, energy storage system, regenerative braking and control, power management & vehicle control.

25-02-2021 Session-1 Time: 11:00 AM to 12:30 PM

Speaker: Dr. Krishna Vasudevan, Professor, IIT Chennai

Topic: Design and Analysis of Power Converters for EVs

Sir started the session with steps involved for designing an inverter. He explained the selection procedure for power device based on current rating and power loss. Discussed about open loop and closed loop control system design for power converter. Illustrated about Heat sink design considerations for inverter. Then he differentiated between diode voltage drop and IGBT voltage drop during selection of power device. The design of DC bus with a decoupling capacitor has been discussed. He also given detailed description about gate driver circuits by considering dead time and Its effects.

25-02-2021 Session-2 Time: 02:30 PM to 04:00 PM

Speaker: Mr. Manoj Desai, General Manager, ARAI, Pune

Topic: EV validation and Certification

Introduced why standards or regulations and type approval is important for EV. Elaborated about the process of certification for different types of EVs in India. Then continued with regulation frame work for EVs under CMVR. Then discussed about Live, social demand Minimum safety requirement etc. Given standards of EV, HEV, Retro fitment and EVSE (Electric Vehicle Supply Equipment) and explained about EV Testing and EV Regulations. He has shared valuable content of constructional and Functional safety of EV and briefed information about Battery Management System (BMS) and Thermal Management System, Vehicle safety, Battery safety.

26-02-2021 Session-1 Time: 10:0 AM to 11:30 AM

Speaker: Sri. N. V. P. R. Durga Prasad Ex-AGM, BHEL

Topic: EMI & EM Compatibility

This session started with overview of EMI and EMC. Discussed about what is EMI and EMC, the causes and effects of EMI, their significance and importance in Hybrid EV such as ignition system relays and solenoids, modulated DC for interior lighting ,voltage SAG from engine starting inductive load kicks, alternator load dump etc. Sir explain about the objective of EMC, EMI coupling modes viz conduction and radiation, inter-system EMI and intra-system EMI, automotive industry standard AIS-004, immunity standards. Then the session concluded with Compliance of electromagnetism, testing of EMI and EMC, limits and standards of EMI and EMC design approach

26-02-2021 Session-2 Time: 11:30 AM to 12:30 PM

Speaker: Mr. A. Venkanna, Deputy Manager, EM Lab, BHEL

**Topic: Induction Motors for Electric Mobility** 

The speaker discussed about water cooled induction motor for EV application which was manufactured at BHEL R & D. He given various steps involved in the design of induction motor like customer specification like DC link voltage ,continuous torque, peak torque ,rated speed, maximum speed ,weight, efficiency etc. Then continued his session with motor mounting configuration, analytical methods, like type of encloser, duty cycle of the load and frequency of starting and stopping the motor illustrated various analysis like stress analysis, frequency analysis, temperature distribution etc..

26-02-2021 Session-3 Time: 02:30 PM to 04:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Software to design e-mobility motors, Wireless Charging & Vehicle to Grid Technology

In this session the resource person introduced the procedure how to develop a prescribed motor design using ANSYS motor CAD software. Discussed about how a winding diagram can be designed the help of software, how machine efficiency can be predetermine with respect to speed variation. Then focussed on vehicle to grid technology aspects. Inferred about the need of wireless power transfer/ charger for EVs.

27-02-2021 Session-1 Time: 10:00 AM to 11:30 PM

Speaker: Sri. S. EASWAR RAO, Senior DGM, BHEL,

**Topic: Charging Stations for EVs** 

The session started with importance of charging station for Electric vehicles like on —board AC charging and OFF board DC charging and fast chargers and charging standards. Batteries life time depends on C-rate i.e charging and discharging rate. The main barrier for e-mobility is battery swapping technology for commercial vehicles and passenger vehicle configurations then focused on OCPP protocols and IEC-61851-1 standard for charging discussed about level-1, level-2, level-3 charges He coated the need of the our is fast charges he ended with different ZVS and ZCS switching methodologies ,and high frequency transformer in the design of chargers in EV .

27-02-2021 Session-2 Time: 11:30 AM to 1:00 PM

Speaker: Dr. G. Tulasi Ram Das, Former Vice-chancellor (JNTUK), Prof, Dept of EEE, JNTUH

**Topic: High Vector Control of Electrical Motor Drives for Electric Vehicles** 

Introduced about various companies, manufacturing different types of electric vehicles, Nationally & Internationally. Discussed about future preparedness, need to address the new materials used, quick charging, induction motor control using SVM etc. Then explained about types of motors used for EVs & HEVs. Given comparison between BLDC motor & PMSM. Then illustrated on indirect field oriented control & direct torque control of induction motors. Given in-detail analysis of IFOC of induction motor used for EVs.

27-02-2021 Session-3 Time: 02:30 PM to 4:00 PM

Speaker: Dr. Venugopal, Ex- ISRO official.

Topic: Electric Vehicle for Transport Application

Introduced about definition of battery and its specifications like energy density, power density and safety. Then battery technologies like reserve battery, thermal battery, quantum battery etc.. Continued with Li-lon batteries based on active materials, electrolytes, and case materials etc. and then he discussed about various materials used for anode, cathode, separator and electrolyte etc. He quoted about evolving process of Lithium manganese aluminium oxides in the battery technology. Sir has focussed more on progress of Lithium ion, silicon anode and try electrode. Then he discussed about electric vehicle battery pack design trade off. He quoted about aerodynamics and electric vehicles in the city limits. National Automotive testing R&D infrastructure project is also been discussed. Sir explained about battery swapping also.

## AICTE – Sponsored Short Term Training Program (STTP-Phase-3) TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR, 22nd- 27thFebruary 2021 List of Participants

	ID	Salutation	Name	Designation	Organization name
1	3003	Mr	BHUKYA BHAVSINGH	Assistant Professor	RGUKT BASAR
2	3006	Mr	TIPIRISETTI RAKESH	Research Scholar	University College of Engin
3	3010	Mr	SRINU BHUKYA	RESEARCH SCHOLAR	OSMANIA UNIVERSITY
4	3011	Mr	Sajesh T V	Project manager	Larsen and Toubro limited
5	3013	Mr	BURRI ANKAIAH	Assistant Professor	REVA University
6	3015	Mrs	M NALINI DEVI	Assistant professor	Mahatma Gandhi Institute
7	3016	Mrs	S.Sudharani	Assistant Professor	Mahatma Gandhi Institute
8	3019	Ms	Latha N	Assistant professor	REVA UNIVERSITY
9	3021	Dr	P. Lakshmi Supriya	Assistant Professor	MGIT
10	3022	Mr	Madgula Satyanarayana	Assistant Professor	Jayamukhi institute of tech
11	3023	Mrs	Swati paliwal	Assistant professor	MGIT
12	3024	Mrs	Chandrakala Patil	Assistant professor	PDA COLLEGE OF ENGI
13	3025	Mr	VIGNESH G	Assistant Professor	EASWARI ENGINEERING
14	3027	Mr	LENKALAPELLY RAJU	ASSISTANT PROFESSO	JAYAMUKHI INSTITUTE
15	3028	Mr	KOLA SURESH KUMAR	ASSISTANT PROFESSO	ANURAG COLLEGE OF E
16	3031	Ms	Sudharani Potturi	Research Scholar	REVA UNIVERSITY
17	3038	Dr	VENKATA KOTESWARA	Adhoc Faculty	NIT Warangal
18	3042	Mr	P. RANJITH KRISHNA	Assistant Professor	MAHATMA GANDHI INST
19	3043	Mr	GUMALAPURAM GOPAL	Assistant Professor	Mahatma Gandhi Institute
20	3044	Mr	CHENNAIAH BANOTH	Assistant Professor	JNAFA UNIVERSITY
21	3046	Mr	G Hari Krishna	Assistant Professor	CHAITANYA BHARATHI I
22	3047	Mr	Chaitanya kommera	Assistant professor	Gcet, Kadapa
23	3048	Mr	Jarapala Ramesh Babu	Assistant Professor	Methodist college of engin
24	3049	Mrs	Priya M Patil	Assistant professor	PDA college of engineerin
25	3054	Mr	Gajangi Arun Kumar	Assistant Professor	Mahatma Gandhi Institute
26	3055	Mr	UDAY KUMAR NEERATI	Assistant Professor	Vasavi College of Enginee
27	3056	Mr	MR. JAGDISH PITAMBAR	PhD Research Scholar	NATIONAL INSTITUTE O
28	3057	Mr	KARAMALA VIJAY	ASSOCIATE PROFESSO	GLOBAL COLLEGE OF E
29	3059	Mr	Karri Hemanth Kumar	Research Scholar	Andhra University, Visakha
30	3060	Mr	Polu Veeraraghava Reddy	Assistant professor	Tkr college of Engineering

31	3061	Mr	RAVULA RAMASWAMY	Asst Professor	TKRCET
32	3062	Mr	Nuthulapati Rajesh Babu	Assistant Professor	DVR & Dr HS MIC College
33	3063	Mrs	KOTHAI R	Assistant professor	Sri Sairam engineering col
34	3064	Dr	Dr Naveen Kumar Sharma	Assistnat Professor	I. K. G. Punjab Technical U
35	3066	Mr	SATTAR PASHA SHAIK	Assistant professor	TKR COLLEGE OF ENGI
36	3067	Mr	B SHARATH KUMAR	Assistant professor	TKR COLLEGE OF ENGI
37	3068	Mrs	V.SWARUPA	Associate professor	TKR college of engineerin
38	3071	Dr	Ch.Indira Priyadarsini	Assistant Professor	Chaitanya Bharathi Institut
39	3073	Mr	K.Subhash	Assistant Professor	TKR college of Engineerin
40	3077	Mrs	OBULAREDDY SOBHANA	Assistant Professor	VNRVJIET
41	3078	Dr	Narasimha Kumar Somise	Asst.Professor	CBIT
42	3079	Dr	Mahendra Babu Kantipudi	Assistant Professor	CBIT
43	3080	Dr	G Laxmaiah	Professor	Chaitanya Bharathi Institut
44	3081	Dr	N v srinivasulu	Professor	CBIT
45	3082	Mr	T.Rampradesh	Associate Professor	IFET College of Engineerin
46	3083	Mr	CH.VINAY KUMAR	ASSISTANT PROFESSO	MAHATMA GANDHI INST
47	3086	Mr	M.CHINNALAL	ASSOCIATE PROFESSO	TKRCET
48	3088	Mrs	Eshwari.A	Assistant professor	IFET college of engineerin
49	3089	Mr	P. Ram Kishore Kumar Re	Professor	MAHATMA GANDHI INST
50	3090	Mr	KASOJU BHARATH KUM	Assistant Professor	Mahatma Gandhi Institute
51	3091	Mr	MAHESH CHANDA	ASSISTANT PROFESSO	MAHATMA GANDHI INST
52	3093	Mrs	P.ANJANI DEVI	Assistant Prof	CBIT
53	3095	Mr	SAGAR B S	Assistant Professor	REVA University
54	3096	Ms	Divya B V	Assistant Professor	REVA UNIVERSITY
55	3097	Mr	N HIMABINDU	Assistant Professor	REVA University
56	3098	Dr	RAGHU	Assistant Professor	REVA University
57	3099	Ms	Saahithi S	Assistant professor	REVA University

### AICTE\_CBIT\_EEE\_STTP-Phase-3\_Quiz

22nd- 27th February 2021

\* Required

1. Email address \* 1. Which of the following is NOT the type of Hybrid Vehicle? \* 2. 1 point Mark only one oval. Plug-in Hybrid Parallel Hybrid Natural Gas For Vehicles Series Hybrid 2. The Hybrid Electric Vehicle consists of: \* 3. 1 point Mark only one oval. Internal Combustion Engine + Electric Motor Motor Electric 1 + Motor electric 2 NGV engine + Gasoline engine

All of the above

4.	3. "In this system, the engine is used to supply electrical power to the motor, which then turns the wheels" Select the type of Hybrid System according to above description. *	1 point
	Mark only one oval.	
	Series Hybrid	
	Parallel Hybrid	
	Plug-in Hybrid	
	Series-parallel Hybrid	
5.	4is defined as the fraction of the total energy or battery capacity that has been used over the total available from the battery. *	1 point
	Mark only one oval.	
	Battery state of charge(BSOC)	
	Depth of Discharge (DOD)	
	Daily Depth of Discharge	
	None of the above	
6.	5of a battery determines the fraction of power that can be withdrawn from the battery. *	1 point
	Mark only one oval.	
	Battery state of charge(BSOC)	
	Depth of Discharge (DOD)	
	Daily Depth of Discharge	
	None of the above	

7.	6. Select the WRONG statement. *	1 point
	Mark only one oval.	
	Toyota produced the Insight Hybrid	
	Hybrid systems rely on very high voltages.	
	All of the high-voltage cables are covered in orange sleeves for easy identification.	
	To test high-voltage systems you need a Category 3 (CAT III) digital volt ohmmeter	
8.	7. Select the cycle use in a Hybrid Engine. *	1 point
	Mark only one oval.	
	Otto	
	Diesel	
	Atkinson	
	Isentropic	
9.	8. A Toyota Prius C Hybrid has engine. *	1 point
	Mark only one oval.	
	1	
	2	
	half	
	no	

10.	9. A	_ is a vehicle that can run on just the engine, just	1 point
	the batteries, or a combina	ation of the two. *	
	Mark only one oval.		
	Mild Hybrid		
	Full Hybrid		
	Fuel Cell		
	Assist Hybrid		
11.	10. The benefits of a hybrid	d car include : *	1 point
	Mark only one oval.		
	reducing emissions		
	improving gas mileage		
	high fuel consumption		
	high speed driving		
12.	11. Regenerative braking in	volves:*	1 point
	Mark only one oval.		
	nanofibers that repair th	ne surface of brake pads	
	reducing the amount of	friction necessary to slow a car	
	reclaiming heat from th	e brakes and using it for power	
	None of the above		

13.	12. What is the operating voltage of the Toyota Prius version 2004? *	1 point
	Mark only one oval.	
	104 volts	
	399 volts	
	288 volts	
	500 volts	
14.	13. the rating of the battery is given by *	1 point
	Mark only one oval.	
	watt	
	◯ VA	
	Ahr	
	volt	
15.	14. the type of converter used for battery operated two-wheeler is *	1 point
	Mark only one oval.	
	AC-AC	
	AC-DC	
	DC-DC	
	DC-AC	

16.	15. Reliability of a system isprocess *	1 point
	Mark only one oval.	
	static	
	dynamic	
	mass	
	batch	

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#### Chaitanya Bharathi Instituteof Technology(A) Hyderabad

#### Department of EEE

AICTE - Sponsored Short Term Training Program (STTP-Phase-3)

on

#### TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

#### 22nd - 27th February 2021

Regist	Participant Name (which you want to be printed on the certificate)	Score	Do you think the event helps in your future works?	How do you rate the planning of the event?	How do you rate the conductio n of the event?	How about the quality of the lectures ?	What is your level of satisfactio n with this event?		Are you likely to participat e in our events in the future?	What are the technical areas you are expecting from us in our future events?	Any suggestions/Requests?
3003	BHUKYA BHAVSINGH	9 / 15	Yes	5	5	5	5	All	Yes	Wireless power transfer in ev battery charging	Good
3006	TIPIRISETTI RAKESH	12 / 15	Yes	5	5	5	5	All	Yes	Future scope of BMS	Thank you for your consideration by keeping the webinar
3010	SRINU BHUKYA	9 / 15	Yes	5	5	5	5	All	Yes	Future scope of BMS	Thank you for your consideration by keeping the webinar
3011	Sajesh T V	9 / 15	Yes	5	4	5	4	All	Yes	Advanced technologies for the EV	Thank you
3013	BURRI ANKAIAH	15 / 15	Yes	5	5	5	5	All	Yes	Latest solar cells	Awesome sessions
3015	M NALINI DEVI	12 / 15	Yes	5	5	5	5	All	Yes	Power Electronics	Very informative
3016	S.Sudharani	15 / 15	Yes	5	5	5	5	All	Yes	Power systems	Excellent STTP
3019	Latha N	15 / 15	Yes	5	4	5	5	All	Yes	Smart grid communication	Nil
3021	Dr.P.LAKSHMI SUPRIYA	15 / 15	Yes	5	5	5	5	All	Yes	Power systems area	No suggestions
3022	Madgula Satyanarayana	9 / 15	Yes	5	5	5	5	All	Yes	Design process of EV's	No
3023	Swati paliwal	15 / 15	Yes	5	5	5	5	Resource persons	Yes	Wind	Excellent
3024	Chandrakala patil	14 / 15		5	5	5	5	All	Yes	Power systems	Nothing
3025	VIGNESH G	15 / 15	Yes	5	5	5	5	All	Yes	EV battery technologies	Very good STTP
3027	LENKALAPELLY RAJU	13 / 15	Yes	5	5	5	5	Resource persons	Yes	Electrical vechile battery and power train systems	It is useful
13028	Mr. KOLA SURESH KUMAR	13 / 15	Yes	4	4	4	4	All	Yes	Hands on experience of Hybrid Electric Vehicle	no
3031	SUDHARANI POTTURI	13 / 15	Yes	5	4	5	5	Resource persons	Yes	Electrical Drives	Please share videos

3038	Dr. Venkata KoteswaraRao. K	12 / 15	Yes	4	4	3	3	Resource persons	Yes	Fuel cell Hybrid Electric Vehicles	Please include International speakers in
3042	P. Ranjith Krishna	12 / 15	Yes	4	3	4	4	Resource persons	Yes	Smart Grid Technologies, Data Analytics	NO
3043	GUMALAPURAM GOPAL	15 / 15	Yes	5	4	5	4	Resource persons	Yes	Power System Stability	Well Organised
3044	CHENNAIAH BANOTH	15 / 15	Yes	5	5	5	5	All	Yes	EV	Nice Event conducted by CBIT organization
3046	G Hari Krishna	11 / 15	Yes	4	4	4	4	conductio n	Yes	Smart Grid & EV	conduct STTP on Smart Grid Technologies
3047	Chaitanya kommera	11 / 15	Yes	4	5	5	5	All	Yes	Power systems	No
3048	Jarapala Ramesh Babu	12 / 15	Yes	5	5	5	5	All	Yes	Future scope of BMS	Thank you for your consideration by keeping the webinar
3049	Priya M Patil	9 / 15	Yes	5	5	5	5	All	Yes	Power systems	Nothing
3054	GAJANGI ARUN KUMAR	14 / 15	Yes	5	5	5	5	All	Yes	Advanced topics in engineering	No suggestions
3055	Mr.N.UDAY KUMAR	15 / 15	Yes	5	5	5	5	All	Yes	Grid connected converters	nill.
3056	jagdish dholwani	12 / 15	Yes	5	5	5	5	All	Yes	Grid connected converters	No suggestions
3057	KARAMALA VIJAY	12 / 15	Yes	5	5	5	5	All	Yes	Load dispatch	Nill
3059	KARRI HEMANTH KUMAR	10 / 15	Yes	5	5	5	5	All	Yes	Evs	no
3060	Polu Veeraraghava Reddy	11 / 15	Yes	5	5	5	5	All	Yes	Electrica vechicles	Excellent
3061	RAVULA RAMASWAMY	15 / 15	Yes	5	4	4	4	conductio n	Yes	Power Electronic	Good
3062	Nuthulapati Rajesh Babu	9 / 15	Yes	5	5	5	5	All	Yes	Latex	Nothing
3063	KOTHAI.R	13 / 15	Yes	4	5	4	4	conductio n	Yes	Renewable energy resources	Plz forward the power point for future reference
3064	Dr. Naveen Kumar Sharma	9 / 15	Yes	5	5	5	5	All	Yes	energy	NA
3066	SATTAR PASHA SHAIK	14 / 15	Yes	5	5	5	5	All	Yes	Power Electronics drives	Nice
3067	Mr B SHARATH KUMAR	15 / 15	Yes	5	4	4	5	All	Yes	Electric vehicles	Conduct more events like this
3068	V.Swarupa	15 / 15		5	5	5	5	All	Yes	AI Technics	Good
3071	Dr.Ch.Indira Priyadarsini	15 / 15	Yes	5	5	5	5	planning	Yes	design aspects	no
3073	K.Subhash	15 / 15	Yes	4	4	4	5	All	Yes	IOT, machine learning	Please provide pdf of overal program sir,,

3077	OBULAREDDY SOBHANA	15 / 15	Yes	5	5	5	5	All	Yes	Future scope of BMS	Thank you for your consideration by
3078	Narasimha Kumar Somise	13 / 15	Yes	5	5	5	5	All	Yes	Future scope of BMS	Thank you for your consideration by
3079	Mahendra Babu Kantipudi	12 / 15	Yes	5	5	5	4	planning	Yes	NA	Very good FDP
3080	Dr G Laxmaiah	15 / 15	Yes	5	5	5	5	All	Yes	batteries	nil
3081	N v srinivasulu	14 / 15	Yes	5	5	5	5	All	Yes		Thank you for your consideration by keeping the webinar
3082	T RAMPRADESH	14 / 15	Yes	5	5	5	5	Resource persons	Yes	Converters in Electrical Vehicles	NO
3083	CH.VINAY KUMAR	15 / 15	Yes	5	5	5	5	All	Yes	Electrical and Hybrid Vehicles	Well organized sessions
3086	MALOTH.CHINNALAL	15 / 15	Yes	5	5	5	5	planning	Yes	BATTERY MANAGEMENT SYSTEM	NICE
3088	Eshwari.A	13 / 15	Yes	4	5	4	4	All	Yes	Green energy technologies and RFID	No
13080	Dr.P.RAM KISHORE KUMAR REDDY	14 / 15	Yes	5	5	5	5	All	Yes	Power Electronic Converter topologies	No suggestions
เรกดก	KASOJU BHARATH KUMAR	12 / 15	Yes	5	5	5	5	All	Yes	Machines for electric vehicles	Nil
3091	Mahesh chanda	15 / 15	Yes	5	5	5	5	All	Yes	Electric vehicles	Good sessions
3093	P.ANJANI DEVI	14 / 15	Yes	5	5	5	5	All	Yes	many more such progrmas	NO SUGGESTIONS
3095	SAGAR B S	15 / 15	Yes	5	5	5	5	All	Yes	BMS, ANN	No
3096	Divya B V	15 / 15		5	5	5	5	All	Yes	Microgrids	No
3097	N Himabindu	15 / 15	Yes	5	5	5	5	All	Yes	MicroGrid	Nil
3098	Dr. Raghu C N	15 / 15		5	5	5	5	Resource persons	Yes	Machine learning	Nil
3099	Saahithi S	15 / 15	Yes	5	5	5	5	All	Yes	No	No

TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR-PHASE-I

## CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD (AUTONOMOUS)

## AUDITED UTILIZATION CERTIFICATE

Name of the scheme under which the amount was sanctioned: SHORT TERM TRAINING -PROGRAMME for the technical institutions for the Academic Year 2018-19 during the Financial Year 2019-20

AICTE Sanction Order/Letter No.& Date under which the amount was sanctioned	Amount (Rs.)	- CERTIFICATE
File. No. 34- 65/288/RIFD/STTP/Policy- 1/2018-19 dated 10-01-2020	Grant Received Rs.3,00,000/- (Rupees Three Lakhs Only)	Certified that out of the grant-in-aid of Rs.3,00,000/- (Three Lakhs) sanctioned by the AlCTE during the Financial Year 2019-20 as per the letter mentioned in the margin, a sum of Rs. 1,92,689/-(Rupees One Lakh and Ninety Two Thousand Six Hundred and Eighty Nine Only) has been utilized for the purpose for which it was sanctioned, and the balance of Rs.1,07,311/-(One Lakh Seven Thousand Three Hundred and Eleven only) remained unutilized at the end of the program.

Certified that I have satisfied myself that conditions on which the amount was sanctioned have been duly fulfilled and I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

### Kinds of checks exercised:-

1. Actual Expenditure

Place: CBIT, Hyderabad
Smt. A. S. V. Subhadra Devi
Superintendent, Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075

Full Address with Seal

Accounts Department

CBIT

For BOLLA & ASSOCIATES

Chartered Accounter + FRN: 0162378

BOLLA NAVEEN KUMAR Partner MRN : 237216

Date: 19-03-2021 .

Principal
Characy Bhares and it of Technology
(Accordance)
Gandipet, Preferring Carb 078.

Signature of Head of the Institute

Dr. G. P. Saradhi Varma, Principal,

Chaitanya Bharathi Institute of

Technology), Chaitanya Bharathi(Post),

Gandipet, Hyderabad-500075



UDIN: 21237218-AAAAC01930

#### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD (AUTONOMOUS) FOR RECEIPT AND PAYMENT ACCOUNT

(Financial Year 2020-21)

Ref.: Sanction Letter no File. No. 34-65/288/RIFD/STTP/Policy-1/2018-19 dated 10<sub>f</sub>01-2020

Sl. No	Date	Receipt	Amount (Rs)	Sl. No		Date	Payments	Amount (Rs)			
1	10- 01- 2020	Amount Sanction ed by AICTE	3,00,000/			*					
				1		17/12/2020	Dr. Umakantha Choudhury	9,000/-			
				2		17/12/2020	Sri. G. Balawanth Reddy	3,000/-			
				3		17/12/2020	Dr. Y. Chandrasekhar	6,000/-			
				4		17/12/2020	Mr. M. Desai,	3,000/-			
_				5	ure	17/12/2020	Sri Y.K. Lee	3,000/-			
				6	H.	17/12/2020	Mr. S. Ravi	3,000/-			
				7	euc	17/12/2020	Mr. S. Eswar Rao	3,000/-			
				8	Ž.	17/12/2020	Mr. Venkanna	3,000/-			
				9	E	17/12/2020	Mr. Y. Rama Rao	3,000/-			
				10	7	17/12/2020	Dr. P. V. N. Prasad	3,000/-			
				11	Phase- I Expenditure	17/12/2020	Mr. Jatil Sharma	3,000/-			
$\neg$				12	Ph	17/12/2020	Dr. R. Gopalan	3,000/-			
				13		17/12/2020	Dr. G. Tulasi Ram Das	3,000/-			
				14		17/12/2020	Honorarium to Course Coordinator	5,000/-			
				15		17/12/2020	Computer Operator	3,000/			
-				16	- 35	17/12/2020	Internet(Miscellaneous)	1,200/			
			v.	17	- 4	25/01/2021	Dr. Umakantha Choudhury	18,000			
1				18					25/01/2021	Mr. M. Desai	4,500/
				19:5	Ire	25/01/2021	Dr. P. Satish	4,500/			
				20	xpenditure	25/01/2021	Dr. Krishna Vasudevan	4,500/			
				21	pen	25/01/2021	Dr. O. Chandrasekhar	4,500			
			- 4	22	田	25/01/2021	Dr. V.T. Soma Sekhar	4,500			
			9	23	п-	25/01/2021	Dr. S. Venugopalan	4,500			
				24	Phase- II	25/01/2021	Mr. Jatil Sharma	4,500			
			-	25	Ph	Ph	25/01/2021	Honorarium to Course Coordinator	5,000		
				26		25/0.1/2021	Computer Operator	3,000			
				27		25/01/2021	Internet(Miscellaneous)	1,189			



(	Grand Total	3,00,000/-				Olim, Tarre			
			42		18/03/2021	Grand Total	1,92,689/		
					41		18/03/2021	Anditor Fee	2,500/-
			40			Miscellaneous	9,300/-		
					16/03/2021	Computer Operator	3,000/-		
_			39	Ph	16/03/2021	Honorarium to Course Coordinator	5,000/-		
			38	Phase-	38	38	18/03/2021	Dr.S.Venugopalan	
			37		18/03/2021	Dr. G. Tulasi Ram Das	4,500/-		
			36		18/03/2021	Mr. S. Eswar Rao	4,500/-		
_			35	E	18/03/2021	Mr. Venkanna	4,500/-		
			34	X	18/03/2021	Dr.NVPR Dulga Frasac	3,000/-		
			33	Je.	16/03/2021	Dr.NVPR Durga Prasad	3.000/-		
			32	- P	18/03/2021	Mr. M. Desai	4,500/-		
			31	III Expenditure	18/03/2021	Naikan Prof. Krishna Vasudevan	4,500/-		
_			30	1227	18/03/2021	Prof. V N Achutha	4,500/-		
			29		18/03/2021	Mr. S. Ravi	4,500/-		
			28		18/03/2021	Dr. Umakantha Choudhury Raunak Choudhury	15,000/- 4,500/-		

Smt. A. S. V. Subhadra Devi Superintendent, Chaitanya Bharathi Institute of Technology), Chaitanya Bharathi(Post), Gandipet, Hyderabad-500075

Accounts Department
CBIT

Signature of Head of the Institute
Dr. G. P. Saradhi Varma, Principal,
Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075
Principal

Chattenya Ehereidd institute at Technology (Autocomous) Gandipet, Hyderabad 200 075.

For BOLLA & ASSOCIATES
Chartered Accountants
FRN: 016237S

BOLLA NAVEEN KUMAR

Partner MRN: 237218

Place: CBIT, Hyderabad

Date: 19-03-2021





## CHAITANYA BHARATTU INSTITUTI OF TRUINOLOGY (A)

Date: 20.03.2021

10

The Manager, ICICI Bank

Dear Sir.

Sub: Remittance of Amount by NEFT/RTGS

We enclose here with our Cheque No. 000432 dated 20.03.2021 for Rs.1,07,311/- drawn in your drawn in your favour on A/c, No. 438501000041 and request you to send NEFT/RTGS Member, Secretary, AICTE, New Delhi as per details given here under.

Name of Beneficiary

Member, Secretary, AICTE, New Delhi

Beneficiary Bank Name

SBL

Beneficiary Account Vember

\$5113100055

Beneficiary Branch Name

Shastri Bhawan, New Delhi

Beneficiary IFSC Code

SBIN0050203

Kindly acknowledge.

Thanking you

Yours Faithfully

For Chaitanya Bharathi Institute of Technology (A)

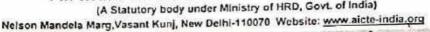
PRINCIPAL

PRESIDENT

26 68 2004

### All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)





\*STTP-Sanction Letter

Ref. No. 34-65/288/RIFD/STTP/Policy-1/2018-19

Date 10 JAN 2020

To

The Drawing and Disbursing Officer, All India Council for Technical Education, Nelson Mandela Marg, Vasant Kunj, New Delhi - 110070

Sub: Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2018-19 during the financial year 2019-20- reg.

Sir,

This is to convey the sanction of the Council for payment of Rs. 300000 /- (Rupees Three Lakh Only) for conduct of Short Term Training Program as per details given below:-

1.		CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY,
	University / Institution	CHAITANYA BHARATHI POST,
		GANDIPET, KOKAPET(VILL.)
		HYDERABAD. 500075
		RANGAREDDI-500075 Telangana
2.	Permanent ID of Institute	1-4735791
3.	Institute type	Unaided - Private
4.	Name of Coordinator	Dr. MURALI TANGIRALA
5.	Amount sanctioned	Rs. 300000/-
6	Amount to be released	Rs.300000/- Full & final payment
7.	Head of account	601.15(a) Gen. Short Term Training Programme (Plan)
8	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	REGISTRAR / DIRECTOR / PRINCIPAL
9.	Title of the programme	Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector

- 1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.
- 2. This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

3. The Principal of the Institute and the Coordinator of the Program are requestively the correctness of the under-mentioned Bank Account / RTGS Ueta submitted by them alongwith the proposals, in which the grant is being released:

Institute PAN Bank No. Name	Bank Branch Name	Bank Branch Address	Holder Name	Type	ii. Number	ANDB0000643
AABTC1906A Andhra Bank	CBIT Campus, Kokapet Branch	CBIT post, Gandipet, Hyderbad	Chaitanya Bharathi Institute of Technology	Account		

## Instructions/Guidelines to be followed by the University/Institution

## Disbursement of funds to University/Institutions

- a. The full amount of the grant sanctioned is being released as advance to the University/Institute.
- b. The amount spent by the institute on the conduct of STTP shall be adjusted on the basis of utilization certificate and detailed expenditure statement submitted by the University/Institution on the prescribed format along with other mandatory documents viz feedback form, copy of proceedings and completion report etc.
- c. The above said amount of grant shall be refunded back to AICTE if the Letter of Approval (LOA) / Extension of Approval (EOA) is not issued by AICTE to the institute for the academic year 2019-20.

### II Maintenance of Accounts

- a. The Institute shall strictly follow the provisions laid down in the scheme document as available on the portal.
- b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
- c. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- d. The grant is intended to cover items of expenditure connected with the Short Term Training Programme such as Boarding & Lodging to the participants, TA to outstation participants, Honorarium to Course Coordinator, reading material to participants, Honorarium to resource persons, TA/DA to resource persons including two outstations resource persons & working expenses (reprographic services, postage, transport, daily wages, tea/coffee etc.

## III. Conduct of test and issuance of certificate

A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test.

## IV. Submission of Documents by the University/Institutions to AICTE

- a. The following mandatory relevant documents are required to be submitted by the University/Institution within one month of the completion of the program:-
  - (i) Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Format for the same is available on AICTE web portal.

The University/Institution is not required to submit-bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.

- (ii) Feedback form in the prescribed proforma.
- (iii) Copy of the proceedings and completion report.
- (iv) List of candidates who have successfully completed the program on the basis of the test conducted by Program Evaluation Committee (PEC).
- (v) Report submitted by Program Evaluation Committee (PEC).
- b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid adjusted.

#### V. General instructions

- a. Preferably 10% of the participants may be industry professionals deputed by industry. Further, not more than 2 participants shall be from the host institution/group of institutions.
- b. Money to be reimbursed on the grant (for any reasons to include unspent amount, interest, penalty if imposed) shall be refunded back to AICTE in the form of Demand Draft payable to Member Secretary, AICTE, New Delhi.
- c. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.
- d. The STTP is a residential program of a duration of six days with minimum 40 participants. The approved STTP shall be conducted within three months from the date of release of funds.
- e. If programme is not conducted in the period of three months of the issuance of this Sanction Order, the released amount, alongwith interest accrued thereon, has to be necessarily returned back to AICTE within a month.
- f. The expenditure under the Heads 'Honorarium to Course Coordinator' and 'Honorarium to Resource Persons' shall not exceed 1% & 20% respectively of the total sanctioned grant for the Programme. However, overall expenditure shall not exceed the funds sanctioned for the Programme.

- g. Any extra money required to complete the programme must be borne by the institute from their own resources. But the quality of the activities should not be · compromised.
- h. Any unavoidable circumstantial change in the program with respect to name of Project Coordinator, Venue and date for organizing STTP would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded mention immediately to the Council. Kindly 65/288/RIFD/STTP/Policy-1/2018-19 in your future correspondence.
- i. Program Evaluation Committee (PEC) is required to be constituted at institutional level. The constitution of the PEC shall be as under:
  - (i) Principal/Director/Registrar of the institution (Chairperson).
  - (ii) Coordinator of the program (Member Secretary).
  - (iii) Two HoDs and one subject expert (members).

The members of the said PEC shall not be below the rank of Associate Professor. A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test. The minutes of the meetings, along with PEC report, are to be submitted to the Council at end of the program along with other mandatory documents.

- j. Gol GFR rules (@https://doe.gov.in/order-circular/general-financial-rules2017-0) should be followed during utilization of grant.
- k. This Sanction Order may be treated as Offer Letter for all purposes.

NOTE:- Any deviation from the above will invoke serious action against the Institute.

Yours sincerely,

(Dileep N Malkhede Advisor-I (RIFD)

16 JAN 2020

Copy forwarded for information and necessary action to: -

Name and Address of the Coordinator Dr. MURALI TANGIRALA

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CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075

HYDERABAD 500075 Telangana

The Registrar / Director / Principal

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075 HYDERABAD 500075 Telangana





#### अखिल भारतीय तकनीकी शिक्षा परिषद्

(भारत सरकार का एक सांविधिक निकाय) मानव संसाधन विकास मंत्रालय, भारत सरकार नेल्सन गंडेला मार्ग, नई दिल्ली-110067

#### ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A Statutory Body of the Govt. of India)
Ministry of Human Resource Development, Govt. of India
Nelson Mandela Marg, New Delhi-110067

Col. B. Venkat
Director (FDC)
E-mail: director.fdc@aicte-india.org
Mob. No. 8130255472

25 June 2020

Sub:-For information of AICTE approved institutes which have received grants for conducting STTP's/FDP's under AQIS 2018-19.

Sir.

This is in reference to grants released by AICTE under AQIS 2018-19 for conduct of STTP's/FDPs. It is being observed that due to present circumstances of ongoing pandemic of COVID-19, most of Institutes are facing difficulties in organizing and conducting STTP's. This office has received a number of requests from various institute to allow on line method of conducting STTP/FDP to complete their commitments.

In this regard, it is to inform that all such institutes, which have already received grants for conducting STTP's/FDPs through prevailing contact mode, are allowed to conduct STTP's through online mode subject to following conditions:

(i) The Institute will be allowed to adjust the grants received for STTP at following rates:-

a.	Honorarium for Coordinator	Rs. 5000.00
b.	Honorarium to experts	Rs. 75000.00
c.	Provision for payment to lab attendant engaged during lab practices	
d.	miscellaneous charge	Rs. 10000.00
	Total for each STTP's	Rs 93000.00

(ii) The Institute will conduct more than one STTP's in multiples of Rs. 93000.00 within the total grant received by it and shall return the balance unspent amount to AICTE.

e.g.

if	an	Institute	has	=Rs 3,00,000.00
Co	st of t	grant for ST hree STFP	11	3x93000= Rs. 279000.00
		Bala	nce	= Rs. 21,000.00

The institute will return the balance unspent amount of Rs.21,000.00 alongwith interest earned on such amounts to AICTE while submitting UC for adjustment of accounts for technique its eligibility for receiving grants in past ACIS



(iii) The institute will conduct all three STTP's as explained above on the same topic which has been approved by AICTE while releasing the grants.

(iv) Firm dates for each program will be intimated to AICTE

beforehand.

On similar lines FDP (02 week program) to be conducted online has the following approval totaling to Rs. 1,86,000.00.

-	Honorarium for Coordinator	Rs. 5000.00
a.	Honorarium for Coordinates	Rs. 1,68,000.00
ь.	Honorarium to experts	
c.	Provision for payment to lab attendant engaged during lab practices	
	and a final control of the control o	Rs. 10000,00
d.	miscellaneous charge Total for each FDPs	Rs 1,86,000.00

The conducting of FDP's (two weeks program) shall be subjected to the similar conditions (i) to (iv) given above for conduct STTP courses, except rates of Honorarium to experts.

You are requested to acknowledge receipt of above guidelines and convey your consent if your institute is ready for conducting the STTP through online format on conditions explained above.

It is once again reiterated that online conduct of FDP & STTP will be

on explicit permission of AICTE.

rs sincerely,

Director (FDC)



Dr.T.Murali Krishna Assistant Professor <tmuralikrishna\_eee@cbit.ac.in>

## Fwd: CBIT, Hyderabad - Pandemic situation – Permission to conduct the STTP Online - Requested - Reg.

Principal CBIT <principal@cbit.ac.in>

Sun, Aug 2, 2020 at 6:11 PM

To: EEE HEAD <hod\_eee@cbit.ac.in>, "Dr.T.Murali Krishna Assistant Professor" <tmuralikrishna\_eee@cbit.ac.in>

Forwarded message -

From: Col B Venkat <director.fdc@aicte-india.org>

Date: Sun, Aug 2, 2020, 5:09 PM

Subject: Re: CBIT, Hyderabad - Pandemic situation - Permission to conduct the STTP Online - Requested - Reg.

To: Principal CBIT <principal@cbit.ac.in>

- Conduct of 03 STTTPs in online mode are hereby approved.
- 2. Following to be ensured
- Each STTP will be for 06 days from Monday to Saturday, followed by an online exam on last working day ie. Saturday. Certificates will only be issued to those participants who have attended regularly and qualify in the exam with minimum 60% marks.
- STTPs to be scheduled in such a manner that in a month only one is conducted (Space it out evenly so as to complete it by 31 Dec 2020).
- Post successful completion, balance unutilised amount along with interest generated will be returned by RTGS as per the letter.
- Online link of the inauguration will be shared with this office for all the STTPs with an invite for the inaugural function.
- 3. This will be treated as an official correspondence on the subject and will be enclosed at the time of submission of Final Útilisation certificate.

With warm regards, Col B Venkat, **Director (Faculty Development)** AICTE, New Delhi Mobile - 8130255472

On Fri, Jul 31, 2020 at 2:33 PM Principal CBIT <principal@cbit.ac.in> wrote:

Respected Sir,

Ref: 1. STTP- Sanctioned - L.No.34-65/288/RIFD/STTP/Policy-1/2018-19 dated:10-01-2020 (Enclosed)

Letter issued by AICTE regrading this dated 25-06-2020. (Enclosed)

3. Brochure of STTP (Phase-1) -(Enclosed)

4. Tentative Schedule

This is to bring to your kind notice that the Department of Electrical and Electronics Engineering of our Institute got sanctioned with Rs.3,00,000/- to conduct STTP on "Trends and Challenges of Hybrid Electric Drive utilities in Transport sector" as Dr. T. Murali Krishna as coordinator, vide Ref.(1) cited

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD-75

#### Department of Electrical & Electronics Engineering

Date: 20-07-2020

Minutes of the meeting conducted on 20th July, 2020.

Members Present:

1. Dr. P. Ravinder Reddy, Principal, CBIT

2. Dr. G. Suresh Babu, Prof & Head, Dept. of EEE,

3. Dr. U.K. Choudhury, Prof. Dept. of EEE,

4. Dr. D. Krishna Reddy, Head, Dept. of ECE,

5. Dr. P.V. R. Ravindra Reddy, Head, Dept. of Mechanical Engg.,

6. Dr. T. Murali Krishna, Assoc. Prof, Dept. of EEE,

7. Smt. N. Vasantha Gowri, Asst. Prof, Dept. of EEE

8. Mr. M. Nagaraju, Asst. Prof, Dept. of EEE v

The meeting started with the greetings from the Head of the department.

Item No.1: To form Program Evaluation Committee

Minutes: Principal Dr. P. Ravinder Reddy suggested the two HoD names Dr. D. Krishna Reddy & Dr. P.V. R. Ravinder Reddy as PEC members and Prof. U.K. Choudhury as subject expert in PEC

Item No.2: To Conduct STTP on on-line mode

Minutes: HoD asked the coordinator of STTP to prepare Brochure & Schedule for STTP to be conducted as per the AICTE guidelines in three phases and put up a letter to AICTE for approval. Tentative Schedules are as follows

First phase is from 3<sup>rd</sup> to 8<sup>th</sup>August 2020, Second phase is from 24<sup>th</sup> to 29<sup>th</sup>August 2020 and Third phase is from 7<sup>th</sup>to 12<sup>th</sup>September 2020.

Item No.3: Conduct of STTP

Minutes: Dr. N. Vasantha Gowri & Sri. M. Nagaraju are asked be the cocoordinators for Phase-1

## 7777777777777777777 : Free Registration Fee

#### CHIEF PATRON

Kavi Kireeti Dr. V MALAKONDA REDDY President, CBIT

#### **PATRONS**

Sri. N. SUBASH Secretary & Correspondent, CBES

Smt. D. SANDHYA SREE Chairperson D&P, CBIT

#### PROGRAM EVALUATION COMMITTEE

Prof. P. RAVINDER REDDY Principal - CBIT & Chairman - PEC

Prof. U. K. CHOUDHURY Director - I&I and Subject Expert - PEC

> Prof. D. KRISHNA REDDY Head, Dept. of ECE

Prof. P.V.R. RAVINDRA REDDY Head, Dept. of Mechanical Engineering

> Dr. T. MURALI KRISHNA Coordinator - STTP

#### CONVENER

Prof. G. SURESH BABU Head, Department of EEE

#### CO-COORDINATORS

Dr. N. VASANTHA GOWRI Assistant professor, Dept. of EEE

Sri M. NAGARAJU Assistant professor, Dept. of EEE

#### IMPORTANT DATES

Last date for Registration Intimation of selection

:01-08-2020 :02-08-2020

#### HOW TO APPLY

The applicants should fill the Registration Form through Google Forms using below link

E-certificate will be issued to those Participants who attend 80% of the sessions and clear the exam.

#### FOR FURTHER DETAILS PLEASE CONTACT

E-mail: sttpeee@cbit.ac.in

Mobile: 7013526685, 9052221446, 9866479770

#### REGISTRATION LINK

https://forms.gle/Ky9TgoJtGE2W1QEB6





AICTE - Sponsored Short Term Training Program (STTP-Phase-I)

on

TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

03rd - 08th August, 2020

Organized by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



## CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)

CBIT is one of the premier Engineering Institute in INDIA pioneer in Telangana State, which is at idyllic surroundings of Gandipet Lake, Hyderabad. The college offers Nine UG and Eleven PG programs. It has been standing as a temple of knowledge for the past 41 years by producing about 25,000 Eminent and skillful Graduate Engineers, who are successful in their Careers, serving all over the world. The Institute has been Accredited by NBA--AICTE and NAAC-UGC, UGC has granted Autonomous Status from the Academic Year 2013-14 onwards. The Grants received from AICTE/UGC are worth about Rs. 2.5 Crores Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT, CBIT Students are prepared and perfected to secure Placements in MNCs through College Career DevelopmentCenter.



#### ABOUT THE DEPARTMENT

CBIT started Electrical & Electronics Engineering UG course in 1994 and was accredited thrice i.e. in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a PG course in Power Systems & Power Electronics in 2006 with an intakeof 18 and was accredited by NBA in the year 2016. The Department has highly qualified and experienced faculty. The Department is having well equipped labs with latest Hardware & Software. The Department is also certified by ISO 9001:2008. The Department is recognized as Research Centre in 2017 by Osmania University to carry out research for the award of Ph.D. degree. The Department is keen on developing consultancy services and welcomes funding research from outside agencies. The Department in the year 2019-20 has received a funding of Rs.2,72,000 under AICTE-STTP Scheme for MATLAB Research Methodology project, Rs. 3,00,000 underAICTE-STTP scheme for Hybrid Electric Utilities Project and Rs.11,00,000 under AICTE-RPS Scheme for Development of Low Cost Flexible Quality Conditioner to Mitigate Power Quality Issues and MODROBS for special electrical machines to the tune of Rs.17Lakh.

#### ABOUT THE STTP

Deterioration in air quality, global warming, and a decrease in petroleum resources are becoming the major threats to human beings. More and more stringent emissions and fuel consumptionregulations are stimulating an interest in the development of safe, clean, and high-efficiency transportation. It has been well recognized that electric, hybrid electric, and fuel-cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades, the research and development activities related to

transportation have emphasized the development, of high efficiency, clean, and Modern Electric, Hybrid Electric, and Fuel Cell Vehicles safe transportation.

#### Topics to be covered in STTP

+Over View of Electric Vehicle +

Govt. Policies andGuideLines ↓

Special ElectricalMachines

Batteries for HybridElectricVehicles ↓

Testing and Certification

↓ElectricVehicleDesign ↓

Axial FluxMachines

∔Hybrid ElectricVehicles

#### RESOURCE PERSONS

Resource Persons will be from Renowned Institutions such as IIT's/NIT's, Industries like Tata Motors, and host Institution.

#### TARGET GROUP

The STTP is expected to benefit Engineers, Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid ElectricVehicles.







## Department of Electrical & Electronics Engineering

AICTE Sponsored Short Term Training Program (Phase-1) Schedule

## TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

	9.30 AM-11.00AM		03th - 08th August 2020 11.30 AM - 1.00 PM		Washing and the same of the sa
	Action Comments of the Powers	-			2.00 PM - 3.30 PM
03-08-2020 Monday	Inauguration		Introduction to Electric Mobility, Policy and Guidelines, Trends and Challenges, Electric vehicle System and Components by Dr. U.K. Choudhury, Prof. & Director(1&1), CBIT, (Ex ED, CTM, BHEL)		Permanent Magnet Motor Drives for Electric Mobility by Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)
04-08-2020 Tuesday	Power Electronics Converters for Electric Vehicles by Mr. Balwanth Reddy, Dy. Manager, BHEL R&D		Hybrid Electric Vehicle, Regenerative Braking and Future Trends by Dr U.K. Choudhury, Prof. & Director(1&1), CBIT, (Ex ED, CTM, BHEL)		Optimal Dispatch of Electric Vehicle Battery in EV Charging Stations and Its Impact on Distribution System by Dr. Y. Chandrasekhar, Dept of EEE, NITW
05-08-2020 Wednesday	Testing Standards for Electric Vehicle and Its Components by Mr. M. Desai, DGM, ARAI, Pune	reak	Development of Electric Vehicle by Edison Motors Korea and Special Design Features by Sri Y.K. Lee, MD, Edison Motors	break	Fuel Cell and Its Application for Electric Vehicle by Mr. S. Ravi, Hybrid fuel solutions Pvt. Ltd
06-08-2020 Thursday	Charging Station for Electric Vehicle by Mr. S. Eswar Rao, Sr. DGM, BHEL R&D	Bı	Liquid Cooled Induction Motor for Electric Mobility by By Mr. A. Venkanna Deputy Manager, EM Lab, BHEL	Lunch	Design of an Electric Vehicle by Mr. Y. Rama Rao, COO, M/s Deccan Auto
07-08-2020 Friday	Reliability Modeling and Assessment of Hybrid Electric Vehicles by Dr. P. V. N. Prasad, Prof. (Rtd), Dept of EE, OUCE		Application of E-mobility for Industrial Transport Application by Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd.		Optical Location of Battery Swapping Stations by Dr. Y. Chandrasekhar, Dept of EEE, NITW
08-08-2020 Saturday	Materials for 21st Century Energy Crisis for Sustainable Transport Applications by Dr. R. Gopalan, Director, ARCI		Electrical Motor Drives for Electric Vehicles by Dr. G. Tulasi Ram Das, Former Vice Chancellor (JNTUK) Prof, Dept of EEE, JNTUH		Test, Feedback and valedictory

HoD, EEE, CBIT

## Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR"during 03th - 08th August 2020

Totally 159 participants from 15 states registered for the STTP, but 106 participants regularly attended the program out of which only 91 received certificates by clearing the end examination with equal to or more than 60% in which was conducted on the last day i.e. on 08-08-2020. Every day three sessions are conducted (two in the morning and one in the evening) which is of 1 ½ hour duration. The program was conducted on google-meet platform. After the completion of each session the attendance and feedback forms are shared in the chat box. The detailed report of each session is given below.

03-08-2020

Session-1

Time: 10:40 AM to 01:10 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Introduction to Electric Mobility, Policy and Guidelines, Trends and Challenges

The session started with Parts of electric vehicle, difference between ordinary vehicle & electric vehicle, Shape of the front panel of the vehicle & its impact on energy consumption, Electric bus layout, importance of electric vehicle power train, Challenges/barriers to electric vehicles in terms of Technical, Infrastructural, Market & Policy. The he compared the components & distribution of energy losses in diesel bus & battery-operated bus like aerodynamic losses, braking losses wheel losses, Transmission losses, Engine/Battery losses and ancillary losses. He concluded the session with Indian Government Initiatives toward electric vehicles like NMEM, NEMM, EVI, FAME-1 & Fame-2

03-08-2020

Session-2

Time: 02:15 AM to 04:10 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Permanent Magnet Motor Drives for Electric Mobility

In this session, the advantages, classification and applications of the permanent magnet machines are discussed. The performance requirement of electric vehicle in terms of torque density, power density speed range, efficiency, hill climbing, intermittent overload capacity, overtaking, reliability, robustness, low acoustic noise and reasonable cost are discussed. Sir shown different pictures of permanent magnets, precision thin material, flexible magnets and the comparison between various magnets are discussed. Domain movement during magnetization, magnetizer and critical points for permanent magnet generators are deliberated.

04-08-2020

Session-1

Time: 09:30 AM to 11:00 AM

Speaker: Mr. Balwanth Reddy, Dy. Manager, BHEL R&D

Topic: Power Electronic Converters for Electric Mobility

Session started with the basic components of Power electronics, Significance of Static switches, PI control gains in the design of power converters, Importance of IGBT in the medium voltage high current applications, Intelligent power modules, Latest materials used in power devices like Silicon carbide, Gallium Arsenide, Thin Film, Superconductors etc. then presented the types of electric vehicles, Basic design aspect of converters like Importance of technical specifications, Application standards, selection of semiconductor device, EMI/EMC standards, DC link capacitor. The continued with Scalar & vector control of induction motor.

## Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR"during 03th - 08th August 2020

04-08-2020

Session-2

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Hybrid Electric Vehicle, Regenerative Braking and Future Trends

The resource person has given overview of future advancements in e-mobility. This lecture mainly focused on Regenerative braking, Hybrid Electric Vehicle (HEV), Hydraulic Hybrid Vehicles. He discussed about the complexity in the design of HEVs than IC engine vehicles in all the aspects. He deliberated about advantages and disadvantages of different configurations of HEVs, Types of HEVs. He quoted different topics of research requirements on energy storage systems, regenerative braking, vehicle dynamics and optimization, Challenges in power electronics, vehicle control.

04-08-2020

Session-3

Speaker: Dr. Y. Chandrasekhar, Dept of EEE, NITW

Topic: Optimal Dispatch of Electric Vehicle Battery in EV Charging Stations and Its Impact on Distribution

The session started with a novel dispatch strategy to determine, when and at what rate EV battery should charge/discharge in order to maximize profits to EV owners and responding to power system's requirements while considering the effect of renewable DG power availability. This objective depends on many criteria like buying and selling price of energy, battery state of charge (SoC), Renewable DG power availability, and load levelling. The optimal dispatch strategy is applied to 100 and 200 EV fleets with random travel plan, the effect of these fleets with optimal dispatch strategy is tested on IEEE 33 bus distribution system with added DGs. Furthermore, optimal power dispatch of DGs in EV-rich distribution system is explained with BAT optimization algorithm (BOA).

05-08-2020

Session-1

Speaker: Mr. M. Desai, DGM, ARAI, Pune

Topic: Testing Standards for Electric Vehicle and Its Components

In this session Desai sir quoted the importance of regulatory mechanism like standardization, type of approval/certification Agencies, regulation frame work for electric vehicle under CMVR for 250W-EV, E-Rickshaw/E-cart vehicles. The electric vehicle approval requirements like AIS 038: Constructional & functional safety requirements like traction battery, protection against electric shock, high voltage marking etc. Then continued with AIS:039-Electrical energy consumption, AIS:040-Measurement of range, AIS:041-Maximum Power test, AIS:049-EV Specific requirements like grade-ability test at 60% of State of Charge. Battery Management System, AIS:048-performance and abuse testing for traction batteries are discussed. Then continued with the topics like Present scenario in India, new battery safety standard, Charges/Charging stations like conductive & inductive charging, EV Charging: Ministry of power Guidelines, Different types of charges and charger standards. The session ended with Vehicles converted to Electric-Hybrid, Hybrid vehicle regulations in India, e-motor test bed for 3-10 kW motors, Characterization of Li-ion Cell, module & pack, challenges with adoption of Electric Mobility and the role of Government agencies in India.

# Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR" during 03th - 08th August 2020

05-08-2020

Session-2

Speaker: Sri Y.K. Lee, MD, Edison Motors

Topic:Development of Electric Vehicle by Edison Motors Korea and Special Design Features

Started with the introduction of Edison motors, their vison & mission from value market to trust market and its operating policy. Then their product electric bus constructional details, Power train, battery & Motor positions in cars, how they entered in Indian market with accelerated adoption of alternate fuels like CNG/LNG/Hybrid/Electric vehicles. He discussed about types of Li-lon batteries, challenges with adoption of electric mobility, role of Ministry of Heavy Industry, Ministry of Road Transport to manufacture electric vehicles. Concluded the session with the products of Edison motors and their specifications.

05-08-2020

Session-3

Speaker: Mr. S. Ravi, Hybrid fuel solutions Pvt. Ltd

Topic: Fuel Cell and Its Application for Electric Vehicle

This session concentrated on basic components of fuel cells like PEM stack, Balance of plant, membrane electrode assembly etc. then discussed about hybrid fuel cells, bipolar plate fabrication cell, stack assembly, stack testing BOP components like blowers, LCD, Load connectors, Controller, Short Circuit unit are exemplified. Then depicted the MEA assembly unit, its requirements and applications of fuel cells in practical application like operating excavators in remote areas. Continued with the necessity of supercapacitor, DC-DC converter, Dc-bus in the system. He quoted that the fuel cell fleet is now mostly hydrogen fuelled.

06-08-2020

Session-1

Speaker: Mr. S. Eswar Rao, Sr. DGM, BHEL R&D

Topic: Charging Station for Electric Vehicle

Sri S. Eswar Rao sir has discussed charges for electric vehicles, batteries for e-mobility to meet the challenges of electric vehicles such as waiting time for recharge, range anxiety, high initial cost etc., continued his session with understanding battery characteristics and battery management system. Then explained about types of charging standards, dc charging station architecture, dc fast charger developed by BHEL, topology of high frequency-based charger, design of controller for grid connected converters, solar based ac charging stations, weigh side charging infrastructure, types of charging, difference between continuous charging and conductive charging. Concluded his session with on-board charges, off-board charges and types of chargers like Level-1, Level-2, Level-3 etc.

06-08-2020

Session-2

Speaker: By Mr.A. Venkanna, Deputy Manager, EM Lab, BHEL

Topic: Liquid Cooled Induction Motor for Electric Mobility

#### Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR"during 03th - 08th August 2020

Introduced water cooled induction motor application for electric vehicle. The first step is customers specification like cost, weight, volume and efficiency, IP 69 K requirements, motor mounting configurations. The main advantage of liquid cooling system in transportation is at the time of starting, overtaking of the vehicle and during transmission of vehicle on gradient surfaces. Then he continued his session on air cooling and water-cooled induction motors. Depicted the cross-sectional view of water-cooled induction motor. Then he concluded the session with electro magnetic design and analytical design of induction motors.

06-08-2020

Session-3

Speaker: Mr. Y. Rama Rao, COO, M/s Deccan Auto

Topic: Design of an Electric Vehicle

Explained about growing economy power in India. India stands fifth position in auto mobile industry. Hence the solution for future transportation is e-mobility. Given a comparison between IC engine and Electric vehicles. explained about batteries and their costs for electric vehicles. He also presented the statistics of electric car. Discussed in detail about electric charging regulations in India. Concluded the session with development challenges, electric vehicle safety, operability, centre of excellence on e-mobility.

07-08-2020

Session-1

Speaker: Dr. P. V. N. Prasad, Prof. (Rtd), Dept of EE, OUCE

Topic: Reliability Modeling and Assessment of Hybrid Electric Vehicles

In this session the importance of reliability in Hybrid Electric Vehicles is discussed. The need of reliability assessment is required because of the increasing automation, complexity in the system, Failure & Repairs, Quality of product, Reduction of overall cost. Two types of assessment viz. Past & Future assessment are discussed. The four parts of reliability are probability, adequate performance, Time, Operating conditions are introduced. Various reliability indices are like number of failures, average time between failures, average down time energy loss, revenue is quoted. The maintainability, availability and bath tub model isconferred. The Markov models for series-hybrid, Parallel hybrid and Series-Parallel Hybrid Electric Vehicles are discussed. Concluded that parallelhybrid is more reliable than series-hybrid Electric Vehicles.

07-08-2020

Session-2

Speaker: Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd

Topic: Application of E-mobility for Industrial Transport Application

The vehicles landscape in India is introduced by the resource person. Discussed about EVs, BEVs, ZEVs & BOU etc., electric vehicles viabilities like charging infrastructure, increased efficiency, reduction of cost and policies related to motor drive technology. He more focused on innovation, life cycle, project management. Then continued with the products developed for various applications like EVs in golf-carts, vehicles for cleaning of solar panels, e-ambulances in hospitals, missile carriers in defence sector, vehicles for vigilance & security, forest & tourism, public health and sanitation by Tejaswi GreenEngg. Pvt. Ltd.

#### Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR"during 03th - 08th August 2020

07-08-2020

Session-3

Speaker: Dr. Y. Chandrasekhar, Dept of EEE, NITW

Topic: Optical Planning of EV Charging stations and Battery Swapping Stations

For the installation of EV charging stations the objectives are loss minimization and profit maximization in optimization process. Due to development of the batteries and it's charging technologies, public incentives and growing criticism on dense air pollution, the electrical vehicles (EVs) gaining more popularity as compared to traditional fuel vehicles. In this scenario, the multiobjective optimal scheduling of Electric Vehicle batteries in Battery Swapping Station (BSS) is explained in order to optimize the number of EV batteries taken from battery stock. Further, degradation cost of batteries and electricity charging cost of batteries also considered for optimal scheduling of EV batteries in BSS. The dynamic electricity pricing model is considered to avoid new peaks of battery charging demand in BSS. EV battery swapping demand in each hour of the day is solved by using a multi-objective Shuffled Frog Leaping Algorithm (SFLA).

08-08-2020

Session-1

Speaker: Dr. R. Gopalan, Director, ARCI

Topic: Materials for 21" Century Energy Crisis for Sustainable Transport Applications

Session started with Sustainable energy, Matter of concern in India, Energy Crisis & demand, wind energy, solar energy, roof-top wind-solar hybrid systems, introduced about 50MW solar plant in Jodhpur, 1000MW solar plant in Tamilnadu, 21st century energy crisis in transport sector. Session continued with Transformation in vehicle technology, Carbon foot print, EV concept, Drivers for growth of electric vehicles in India, Electric vehicle status in India, Permanent magnet technology and its role for energy saving technology, Li-ion battery, possible combination of Li-ion battery, fabrication of Li-ion battery at ARCI, power and energy of various batteries, Alternative energy materials & systems, fuel cells, solar cells, Thermoelectric materials.

08-08-2020

Session-2

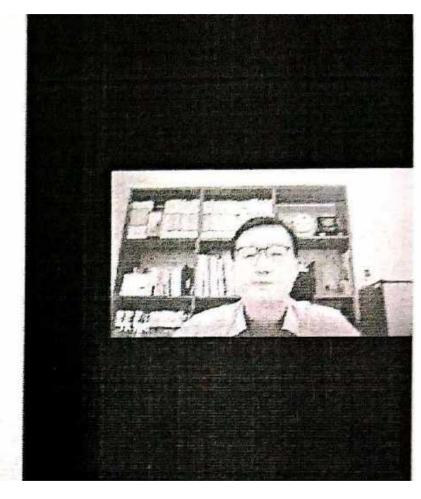
Speaker: Dr. G. Tulasi Ram Das, Prof, Dept of EEE, JNTUH, Former Vice Chancellor (INTUK)

Topic: Electrical Motor Drives for Electric Vehicles

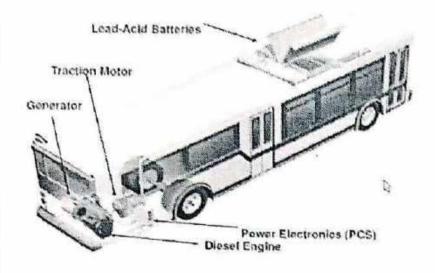
The session started with induction motor and its advantages & limitations in electric vehicles. The session continued with the importance of switched reluctance motors with its major advantages of less heat development, but the main drawback of complex control circuitry, insights for selecting the right motor for electric vehicles for two wheelers & three wheelers. Sir has illustrated the performance comparison between indirect field-oriented control and direct torque control of induction motors with case study. Session ended with future scope of research in electric vehicles.

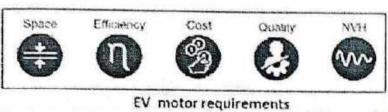


# **E-Mobility Introduction** Fuel Cell System Cooling Module Air Conditioner Hydrogen Tanks Auxiliary Components **Drive Train** otor + T/M)

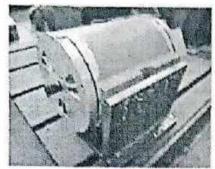


## Hybrid Electric bus

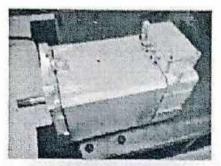




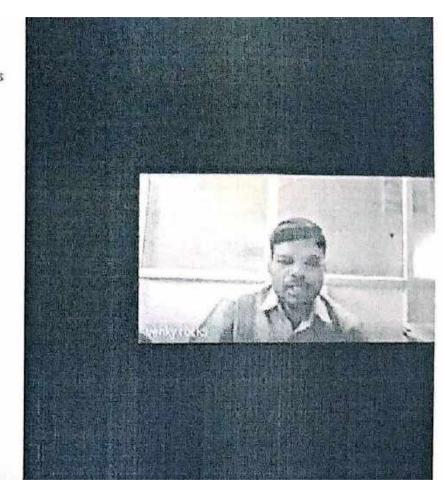
BHEL developed Induction Motors

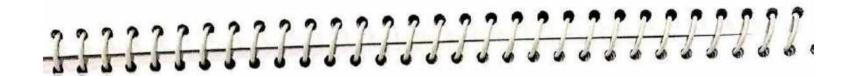


130 kW Induction motor



67 kW Induction motor





#### AICTE - Sponsored Short Term Training Program (STTP-Phase-1)

On

#### TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

03th - 08th August 2020

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7	Mrs	KUSUMA KUMARI YEMINENI	GOVT POLYTECHNIC KROSUR(212) andhrapradesh	kusuma.yemineni@gmail.com	9908354259
8	Mrs	SELVE V	VELAMMAL ENGINEERING COLLEGE	selveveerabathran@gmail.com	9087128444
9	Mrs	G Angala Parameswari	Velammal Engineering College	angalaparameswari2021@gmail.com	9443066007
0	Dr	K.SURESHKUMAR	Velammal Engineering College	sureshbarath@gmail.com	9865281803
1	Mrs	VIDHYA K	Velammal Engineering College	vidhya@velammal.edu.in	9444103534
2	Mr	N B RAJESH	VELAMMAL COLLEGE OF ENGINEERING AND	nbr2020@rediffmail.com	9965477469
3	Dr	GEETHA RAMAN	Velammal Engineering College	geetharaman1977@gmail.com	9940693206
4	Ms	Preethi L	Dr. Ambedkar Institute of Technology	preethi lakshmeesh@gmail.com	
5	Dr	SASIKUMAR M	K. S. Rangasamy College of Technology	sasikumarm@ksrct.ac.in	9965167895
6	Mr	SANJIBA KUMAR BISOYI		sanjiha.hisoyi@gmail.com	
7	Ms	Dasyam Sushma		shushmamarun@gmail.com	8096162036
3	Mr	Lenkalapelly raju		rajulenkalapelly@gmail.com	809602768
)	Mrs	G Angala Parameswari		angalaparameswari2021@gmail.com	9443066007
	Mr	Chaitrashree S R	And Andrews	chaitrashree123@gmail.com	

			Chaltanya Bhar			(A) nyderar	oad		
î		AICT			ent of EEE	1			
		ACT	E – Sponsored	Short Term	raining Progra	ım (STTP-P	hase-1)		
_	TOPUDO				n				
-	TRENDS (	CHALL	ENGES OF HY	BRID ELECT	RIC DRIVE UTI	LITIES IN T	RANSPORT S	ECTOR	
_	and the second s			03th - 08th	August 2020				
S.No	Particlapant Name	Score	Do you think the event helps in your future works?	How do you rate the planning of the event?	How do you rate the conduction of the event?	How about the quality of the lectures?	What is your level of satisfaction with this event?	Which aspect of the event did you like most?	Are you likely to participate in our events in the future?
Mr	Musub Mehfooz	12/20	Yes	4	4	4	5	Resource	
14-	W100 H	Nocasona 1	THEORY.		1	1	3	persons	Yes
Mr	KASOJU - BHARATH KUMAR	13/20	Yes	5	5	5	5	All	Yes
Dr	Dr.B Suresh Kuma	14/20	Yes	5	5	5	5	planning	Yes
Mr	SHIV SHAMBHU CHOUDHARY	15/20	Yes	5	4	4	4	All	Yes
Мr	MADAN MOHAN CHODAVARAPU	15 / 20	Yes	5	5	5	5	All	Yes
Мг	Satyanarayana Addala	16/20	Yes	5	4	4	4	All	Yes
Mr	CH.VINAY KUMAR	17 / 20	Yes	5	5	5	5	All	Yes
Mr	A.Bala Raja Ram	20 / 20	Yes	5	5	5	5	All	Yes
Mrs	Minakhi Behera	17/20	Yes	5	5	5	5	All	Yes
<b>VIrs</b>	M NALINI DEVI	17/20	Yes	5	5	5	5	All	Yes
Иr Иr	V BALARAJU THIRIVEEDHI HARIBABU	15/20	Yes	5 5	5 5	5	5	All	Yes Yes
۸r	ALLIPILLI YELLAJI	14 / 20	Yes	5	5	5	5	All	Yes
Λr	S. SARAVANAN	12/20	Yes	5	5	5	5	All	Yes
1r		16/20	Yes	5	5	5	5	All	Yes
Ar .	MURALI MOHAN T	16/20	Yes	4	5	5	4	All	Yes
1rs	Sowmya G	14 / 20	Yes	5	77.		5	All	Yes
1r	Santhosh Raikar M	18 / 20	Yes	5	5	5	5	Resource persons	Yes
ls	Aluri Sai Sree Sarayu	19/20	Yes	5	4	5	4	All	Yes
r	Nedunuri Parameshwar	14/20	Yes	5	5	5	5	All	Yes
rs	S.SUDHARANI	16 / 20	200/a# 574.				4	Resource persons	Yes
г	IV.Dilaina)	12 / 20	5000					All	Yes
r	O Hall Kilolilla	16/20						All	Yes
	RANJITH KUMAR	19/20	***				5	All	Yes
	KOLA SURESH KUMAR	19 / 20	Yes 5		5	5	5	All	Yes

Г	K. Vinay Kumar	19/20	Yes	5	5	5	5	All	Yes
Irs	NAGAVENI P	16 / 20	Yes	4	4	4	4	1.00	Yes
r	P. Ram Kishore	17 / 20	Yes	5	5	5	5	All	162
	Kumar Reddy	10.100		4	4	4	4	Resource	Yes
1rs	P.Lakshmi Supriya	16 / 20	Yes	•	ľ		(6)	persons	
)r	Dr.A.V.G.A.MARTH	18 / 20	Yes	5	4	5	4	All	Yes
	ANDA	45 4 55	v -	5	5	5	5	All	Yes
۸r	SRINIVAS MODUGU	15 / 20	Yes	٥	3				Yes
Ar .	KARANGULA PRASANNA	13 / 20	Yes	5	5	5	5	All	165
	KRISHNA	40.400	Van	5	5	5	5	All	Yes
As_	Navya	12 / 20	Yes	5	5	5	5	All	Yes
Λr	BHUKYA BHAVSINGH	19 / 20	Yes	5	3			200400	Yes
)r	Edara V C Sekhara Rao	15 / 20	Yes	5	4	4	5	All	
Мr	KRUSHNA CHANDRA SAHOO	12/20	Yes	5	5	5	5	All	Yes
Mr	Arjun Hanumantrao Kardile	12/20	Yes	5	5	5	5	All	Yes
Mr	V. CHANDRA SHEKAR	12 / 20	Yes	4	5	5	5	planning	Yes
Dr	Bhavin Shah	14/20	Yes	5	4	4	4	All	Yes
Mr	DEVIREDDY	13/20	Yes	5	5	5	5	All	Yes
	SATHISH	14/20	Yes	5	5	5	5	All	Yes
Мг	DEBANGA BHATTASALY	14720	163						4
Mr	Subash Ranjan	15 / 20	Yes	5	5	5	5	All	Yes
	Kabat	16/20	Yes	5	5	5	5	All	Yes
Mr	CHANDRA PRASAD	10720							
Mr	MODALAVALASA A R Govardhana	13 / 20	Yes	5	5	5	5	All	Yes
	Naidu	44.00	V	4	5	3	4	All	Yes
Mrs				5	5	5	5	All	Yes
Mr	BALAKISHAN PADAKANTI	16 / 20	Yes					W THIS	
Dr	S.SRINATH	17 / 20		5	5	5	5	All	Yes
Dr	Neelakanteshwar	12 / 20	Yes	5	5	5	5	planning	Yes
Dr	Haripriya T	13 / 20	Yes	5	4	4	4	Ali	Yes
Mr		14/20	Yes	5	5	5	5	All	Yes
Dr	G Radhika	15/20	Yes	5	4	4	4	All	Yes
Dr		15/20	Yes	5	5	5	5	All	Yes
Mr		16/20	Yes	5	5	5	5	All	Yes
Mr	5374 577 517 517 517 517 517 517 517 517 517	17/20	Yes	5	5	5	5	All	Yes
Dr		20 / 20	Yes	5	5	5	5	All	Yes
_		17/20		5	5	5	5	All	Yes
Mr		17/20		5	5	5	5		Yes
Mr	MOHAMMED	17720	1.05	,			0	All	res

Mr	BOMMASANI	15/20	Yes	5	5	5	6	All	Yes
Mr	Yamsani Akshith	13/20	Yes	5	5	5	5	All	Yes
Mr	D Harsha	14/20	Yes	5	5	5	5	All	Yes
Mr	K, PRAVEEN	12/20	Yes	4	5	5	4	All	Yes
Dr	D.Sunitha	16/20	Yes	5	5	5	5	All	Yes
Ms	Tejaswi Algam	16/20	Yes	5	5	5	5	Resource	Yes
Mr	S.MD.MAZHAR UL	14 / 20	Yes	5	4	5	4	All	Yes
Dr	S Premalatha	18/20	Yes	5	5	5	5	All	Yes
Dr	KUNTLA	19 / 20	Maybe	4	4	4	4	Resource	Yes
Dr	shiva prasad edara	14 / 20	Yes	4	4	4	4	All	Yes
Mrs	R Geshma Kumari	16 / 20	Yes	5	5	5	5	All	Yes
Mr	GOLLA NARESH	12 / 20	Yes	5	5	5	5	All	Yes
Mr	P sai niranjan	16 / 20	Yes	5	5	5	5	All	Yes
Mr	C.Jagan Mohan	19 / 20	Yes	5	5	5	5	All	Yes
Dr	Ahmad Syed	19/20	Yes	4	4	4	4	All	Yes
Mrs	P. Veera Bhadra	19 / 20	Yes	5	5	5	5	All	Yes
Mr	KANCHAN SAHA	16 / 20	Yes	4	4	4	4	Resource	Yes
Mr	RABI RANJAN	17 / 20	Yes	5	4	5	4	All	Yes
Mrs	Narmada Reddi.B	16/20	Yes	5	5	5	5	All	Yes
Mrs	KUSUMA KUMARI	18 / 20	Maybe	4	4	4	4	Resource	Yes
Mrs	SELVE V	15/20	Yes	4	4	4	4	All	Yes
Mrs	G Angala	13/20	Yes	5	5	5	5	All	Yes
Dr	K.SURESHKUMAR	12/20	Yes	5	5	5	5	All	Yes
Mrs	VIDHYA K	19/20	Yos	5	5	5	5	All	Yes
Mr	N B RAJESH	15/20	Yes	5	5	5	5	All	Yes
Dr	GEETHA RAMAN	12/20	Yes	4	4	4	4	All	Yes
Ms	Preethi L	12/20	Yes	5	5	5	5	All	Yes
Dr	SASIKUMAR M	15/20	Yes	4	4	4	4	All	Yes
Mr	SANJIBA KUMAR B	13 / 20	Yes	5	5	5	5	All	Yes
VIs	Dasyam Sushma	12 / 20	Yes	5	5	5	5	All	Yes
Иr	Lenkalapelly raju	19 / 20	Yes	5	5	5	5	All	Yes
Mrs	G Angala Paramesw	15 / 20	Yes	5	5	5	5	All	Yes
Mr	Chaitrashree S R	12/20	Yes	4	4	4	4	All	Yes
Mrs	Pushpanjali	12/20	Yes	5	5	5	5	All	Yes

TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR-PHASE-II

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD (AUTONOMOUS)

#### AUDITED UTILIZATION CERTIFICATE

Name of the scheme under which the amount was sanctioned: SHORT TERM TRAINING -PROGRAMME for the technical institutions for the Academic Year 2018-19 during the Financial Year 2019-20

AICTE Sanction Order/Letter No.& Date under which the amount was sanctioned	Amount (Rs.)	- CERTIFICATE
File. No. 34- 65/288/RIFD/STTP/Policy- 1/2018-19 dated 10-01-2020	Grant Received Rs.3,00,000/- (Rupees Three Lakhs Only)	Certified that out of the grant-in-aid of Rs.3,00,000/- (Three Lakhs) sanctioned by the AlCTE during the Financial Year 2019-20 as per the letter mentioned in the margin, a sum of Rs. 1,92,689/-(Rupees One Lakh and Ninety Two Thousand Six Hundred and Eighty Nine Only) has been utilized for the purpose for which it was sanctioned, and the balance of Rs.1,07,311/-(One Lakh Seven Thousand Three Hundred and Eleven only) remained unutilized at the end of the program.

Certified that I have satisfied myself that conditions on which the amount was sanctioned have been duly fulfilled and I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

#### Kinds of checks exercised:-

1. Actual Expenditure

Place: CBIT, Hyderabad
Smt. A. S. V. Subhadra Devi
Superintendent, Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075

Full Address with Seal

Accounts Department

CBIT

For BOLLA & ASSOCIATES

Chartered Accounter + FRN: 0162378

BOLLA NAVEEN KUMAR Partner MRN : 237216

Date: 19-03-2021 .

Principal
Characy Bhares and it of Technology
(Accordance)
Gandipet, Production of 10 078.

Signature of Head of the Institute

Dr. G. P. Saradhi Varma, Principal,

Chaitanya Bharathi Institute of

Technology), Chaitanya Bharathi(Post),

Gandipet, Hyderabad-500075



UDIN: 21237218-AAAAC01930

#### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD (AUTONOMOUS) FOR RECEIPT AND PAYMENT ACCOUNT

(Financial Year 2020-21)

Ref.: Sanction Letter no File. No. 34-65/288/RIFD/STTP/Policy-1/2018-19 dated 10<sub>f</sub>01-2020

Sl. No	Date	Receipt	Amount (Rs)	Sl. No		Date	Payments	Amount (Rs)
1	10- 01- 2020	Amount Sanction ed by AICTE	3,00,000/			*		
				1		17/12/2020	Dr. Umakantha Choudhury	9,000/-
				2		17/12/2020	Sri. G. Balawanth Reddy	3,000/-
				3		17/12/2020	Dr. Y. Chandrasekhar	6,000/-
				4		17/12/2020	Mr. M. Desai,	3,000/-
_				5	ure	17/12/2020	Sri Y.K. Lee	3,000/-
				6	H.	17/12/2020	Mr. S. Ravi	3,000/-
				7	euc	17/12/2020	Mr. S. Eswar Rao	3,000/-
				8	Ž.	17/12/2020	Mr. Venkanna	3,000/-
				9	E	17/12/2020	Mr. Y. Rama Rao	3,000/-
				10	7	17/12/2020	Dr. P. V. N. Prasad	3,000/-
	1			11	Phase- I Expenditure	17/12/2020	Mr. Jatil Sharma	3,000/-
$\neg$				12	Ph	17/12/2020	Dr. R. Gopalan	3,000/-
				13		17/12/2020	Dr. G. Tulasi Ram Das	3,000/-
				14		17/12/2020	Honorarium to Course Coordinator	5,000/-
				15		17/12/2020	Computer Operator	3,000/
				16	- 35	17/12/2020	Internet(Miscellaneous)	1,200/
			v.	17	- 4	25/01/2021	Dr. Umakantha Choudhury	18,000
1				18		25/01/2021	Mr. M. Desai	4,500/
				19:5	Ire	25/01/2021	Dr. P. Satish	4,500/
				20	xpenditure	25/01/2021	Dr. Krishna Vasudevan	4,500/
				21	pen	25/01/2021	Dr. O. Chandrasekhar	4,500
			- 4	22	田	25/01/2021	Dr. V.T. Soma Sekhar	4,500
			9	23	п-	25/01/2021	Dr. S. Venugopalan	4,500
				24	Phase- II	25/01/2021	Mr. Jatil Sharma	4,500
			-	25	Ph	25/01/2021	Honorarium to Course Coordinator	5,000
				26		25/0.1/2021	Computer Operator	3,000
				27		25/01/2021	Internet(Miscellaneous)	1,189



(	Grand Total	3,00,000/-				Olini, Tana	
			42		18/03/2021	Grand Total	1,92,689/
			41		18/03/2021	Anditor Fee	2,500/-
			40			Miscellaneous	9,300/-
					16/03/2021	Computer Operator	3,000/-
_			39	Phase-	16/03/2021	Honorarium to Course Coordinator	5,000/-
			38	38	18/03/2021	Dr.S.Venugopalan	
			37	6	18/03/2021	Dr. G. Tulasi Ram Das	4,500/-
			36		18/03/2021	Mr. S. Eswar Rao	4,500/-
_			35	E	18/03/2021	Mr. Venkanna	4,500/-
			34	X	18/03/2021	Dr.NVPR Dulga Frasac	3,000/-
			33	Je.	16/03/2021	Dr.NVPR Durga Prasad	3.000/-
			32	- P	18/03/2021	Mr. M. Desai	4,500/-
			31	III Expenditure	18/03/2021	Naikan Prof. Krishna Vasudevan	4,500/-
_			30	1227	18/03/2021	Prof. V N Achutha	4,500/-
			29		18/03/2021	Mr. S. Ravi	4,500/-
			28		18/03/2021	Dr. Umakantha Choudhury Raunak Choudhury	15,000/- 4,500/-

Smt. A. S. V. Subhadra Devi Superintendent, Chaitanya Bharathi Institute of Technology), Chaitanya Bharathi(Post), Gandipet, Hyderabad-500075

Accounts Department
CBIT

Signature of Head of the Institute
Dr. G. P. Saradhi Varma, Principal,
Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075
Principal

Chattenya Ehereidd institute at Technology (Autocomous) Gandlant, Hyderabad 200 075.

For BOLLA & ASSOCIATES
Chartered Accountants
FRN: 016237S

BOLLA NAVEEN KUMAR

Partner MRN: 237218

Place: CBIT, Hyderabad

Date: 19-03-2021





### CHAITANYA BHARATTU INSTITUTI OF TRUINOLOGY (A)

Date: 20.03.2021

10

The Manager, ICICI Bank

Dear Sir.

Sub: Remittance of Amount by NEFT/RTGS

We enclose here with our Cheque No. 000432 dated 20.03.2021 for Rs.1,07,311/- drawn in your drawn in your favour on A/c, No. 438501000041 and request you to send NEFT/RTGS Member, Secretary, AICTE, New Delhi as per details given here under.

Name of Beneficiary

Member, Secretary, AICTE, New Delhi

Beneficiary Bank Name

SBL

Beneficiary Account Vember

\$511310005

Beneficiary Branch Name

Shastri Bhawan, New Delhi

Beneficiary IFSC Code

SBIN0050203

Kindly acknowledge.

Thanking you

Yours Faithfully

For Chaitanya Bharathi Institute of Technology (A)

PRINCIPAL

PRESIDENT

26 68 2004

#### All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



STTP- Sanction Letter

Ref. No. 34-65/288/RIFD/STTP/Policy-1/2018-19

Date 10 JAN 2020

To

The Drawing and Disbursing Officer, All India Council for Technical Education, Nelson Mandela Marg, Vasant Kunj, New Delhi – 110070

Sub: Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2018-19 during the financial year 2019-20- reg.

Sir,

This is to convey the sanction of the Council for payment of Rs. 300000 /- (Rupees Three Lakh Only) for conduct of Short Term Training Program as per details given below:-

1.	Name and address of the beneficiary University / Institution	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075 RANGAREDDI-500075 Telangana
2.	Permanent ID of Institute	1-4735791
3:	Institute type	Unaided - Private
4.	Name of Coordinator	Dr. MURALI TANGIRALA
5.	Amount sanctioned	Rs. 300000/-
6	Amount to be released	Rs.300000/- Full & final payment
7.	Head of account	601.15(a) Gen. Short Term Training Programme (Plan)
8	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	REGISTRAR / DIRECTOR / PRINCIPAL
9.	Title of the programme	Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector

- The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.
- This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

3. The Principal of the Institute and the Coordinator of the Program are requestively the correctness of the under-mentioned Bank Account / RTGS Ueta submitted by them alongwith the proposals, in which the grant is being released:

Institute PAN Bank No. Name	Bank Branch Name	Bank Branch Address	Holder Name	Type	ii. Number	ANDB0000643
AABTC1906A Andhra Bank	CBIT Campus, Kokapet Branch	CBIT post, Gandipet, Hyderbad	Chaitanya Bharathi Institute of Technology	Account		

### Instructions/Guidelines to be followed by the University/Institution

### Disbursement of funds to University/Institutions

- a. The full amount of the grant sanctioned is being released as advance to the University/Institute.
- b. The amount spent by the institute on the conduct of STTP shall be adjusted on the basis of utilization certificate and detailed expenditure statement submitted by the University/Institution on the prescribed format along with other mandatory documents viz feedback form, copy of proceedings and completion report etc.
- c. The above said amount of grant shall be refunded back to AICTE if the Letter of Approval (LOA) / Extension of Approval (EOA) is not issued by AICTE to the institute for the academic year 2019-20.

#### II Maintenance of Accounts

- a. The Institute shall strictly follow the provisions laid down in the scheme document as available on the portal.
- b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
- c. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- d. The grant is intended to cover items of expenditure connected with the Short Term Training Programme such as Boarding & Lodging to the participants, TA to outstation participants, Honorarium to Course Coordinator, reading material to participants, Honorarium to resource persons, TA/DA to resource persons including two outstations resource persons & working expenses (reprographic services, postage, transport, daily wages, tea/coffee etc.

#### III. Conduct of test and issuance of certificate

A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test.

### IV. Submission of Documents by the University/Institutions to AICTE

- a. The following mandatory relevant documents are required to be submitted by the University/Institution within one month of the completion of the program:-
  - (i) Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Format for the same is available on AICTE web portal.

The University/Institution is not required to submit-bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.

- (ii) Feedback form in the prescribed proforma.
- (iii) Copy of the proceedings and completion report.
- (iv) List of candidates who have successfully completed the program on the basis of the test conducted by Program Evaluation Committee (PEC).
- (v) Report submitted by Program Evaluation Committee (PEC).
- b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid adjusted.

#### V. General instructions

- a. Preferably 10% of the participants may be industry professionals deputed by industry. Further, not more than 2 participants shall be from the host institution/group of institutions.
- b. Money to be reimbursed on the grant (for any reasons to include unspent amount, interest, penalty if imposed) shall be refunded back to AICTE in the form of Demand Draft payable to Member Secretary, AICTE, New Delhi.
- c. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.
- d. The STTP is a residential program of a duration of six days with minimum 40 participants. The approved STTP shall be conducted within three months from the date of release of funds.
- e. If programme is not conducted in the period of three months of the issuance of this Sanction Order, the released amount, alongwith interest accrued thereon, has to be necessarily returned back to AICTE within a month.
- f. The expenditure under the Heads 'Honorarium to Course Coordinator' and 'Honorarium to Resource Persons' shall not exceed 1% & 20% respectively of the total sanctioned grant for the Programme. However, overall expenditure shall not exceed the funds sanctioned for the Programme.

- g. Any extra money required to complete the programme must be borne by the institute from their own resources. But the quality of the activities should not be · compromised.
- h. Any unavoidable circumstantial change in the program with respect to name of Project Coordinator, Venue and date for organizing STTP would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded mention immediately to the Council. Kindly 65/288/RIFD/STTP/Policy-1/2018-19 in your future correspondence.
- i. Program Evaluation Committee (PEC) is required to be constituted at institutional level. The constitution of the PEC shall be as under:
  - (i) Principal/Director/Registrar of the institution (Chairperson).
  - (ii) Coordinator of the program (Member Secretary).
  - (iii) Two HoDs and one subject expert (members).

The members of the said PEC shall not be below the rank of Associate Professor. A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test. The minutes of the meetings, along with PEC report, are to be submitted to the Council at end of the program along with other mandatory documents.

- j. Gol GFR rules (@https://doe.gov.in/order-circular/general-financial-rules2017-0) should be followed during utilization of grant.
- k. This Sanction Order may be treated as Offer Letter for all purposes.

NOTE:- Any deviation from the above will invoke serious action against the Institute.

Yours sincerely,

(Dileep N Malkhede Advisor-I (RIFD)

16 JAN 2020

Copy forwarded for information and necessary action to: -

Name and Address of the Coordinator Dr. MURALI TANGIRALA

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CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075

HYDERABAD 500075 Telangana

The Registrar / Director / Principal

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075 HYDERABAD 500075 Telangana





#### अखिल भारतीय तकनीकी शिक्षा परिषद्

(भारत सरकार का एक सांविधिक निकाय) मानव संसाधन विकास मंत्रालय, भारत सरकार नेल्सन गंडेला मार्ग, नई दिल्ली-110067

#### ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A Statutory Body of the Govt. of India)
Ministry of Human Resource Development, Govt. of India
Nelson Mandela Marg, New Delhi-110067

Col. B. Venkat
Director (FDC)
E-mail: director.fdc@aicte-india.org
Mob. No. 8130255472

25 June 2020

Sub:-For information of AICTE approved institutes which have received grants for conducting STTP's/FDP's under AQIS 2018-19.

Sir.

This is in reference to grants released by AICTE under AQIS 2018-19 for conduct of STTP's/FDPs. It is being observed that due to present circumstances of ongoing pandemic of COVID-19, most of Institutes are facing difficulties in organizing and conducting STTP's. This office has received a number of requests from various institute to allow on line method of conducting STTP/FDP to complete their commitments.

In this regard, it is to inform that all such institutes, which have already received grants for conducting STTP's/FDPs through prevailing contact mode, are allowed to conduct STTP's through online mode subject to following conditions:

(i) The Institute will be allowed to adjust the grants received for STTP at following rates:-

a.	Honorarium for Coordinator	Rs. 5000.00
b.	Honorarium to experts	Rs. 75000.00
c.	Provision for payment to lab attendant engaged during lab practices	
d.	miscellaneous charge	Rs. 10000.00
	Total for each STTP's	Rs 93000.00

(ii) The Institute will conduct more than one STTP's in multiples of Rs. 93000.00 within the total grant received by it and shall return the balance unspent amount to AICTE.

e.g.

if	an	Institute	has	=Rs 3,00,000.00
Co	st of t	grant for ST hree STFP	11	3x93000= Rs. 279000.00
Balance			nce	= Rs. 21,000.00

The institute will return the balance unspent amount of Rs.21,000.00 alongwith interest earned on such amounts to AICTE while submitting UC for adjustment of accounts for technique its eligibility for receiving grants in past ACIS



(iii) The institute will conduct all three STTP's as explained above on the same topic which has been approved by AICTE while releasing the grants.

(iv) Firm dates for each program will be intimated to AICTE

beforehand.

On similar lines FDP (02 week program) to be conducted online has the following approval totaling to Rs. 1,86,000.00.

-	Honorarium for Coordinator	Rs. 5000.00	
a.	Honorarium for Coordinates	Rs. 1,68,000.00	
ь.	Honorarium to experts		
c.	Provision for payment to lab attendant engaged during lab practices		
	and a final control of the control o	Rs. 10000,00	
d	miscellaneous charge Total for each FDPs	Rs 1,86,000.00	

The conducting of FDP's (two weeks program) shall be subjected to the similar conditions (i) to (iv) given above for conduct STTP courses, except rates of Honorarium to experts.

You are requested to acknowledge receipt of above guidelines and convey your consent if your institute is ready for conducting the STTP through online format on conditions explained above.

It is once again reiterated that online conduct of FDP & STTP will be

on explicit permission of AICTE.

rs sincerely,

Director (FDC)



Dr.T.Murali Krishna Assistant Professor <tmuralikrishna\_eee@cbit.ac.in>

#### Fwd: CBIT, Hyderabad - Pandemic situation – Permission to conduct the STTP Online - Requested - Reg.

Principal CBIT <principal@cbit.ac.in>

Sun, Aug 2, 2020 at 6:11 PM

To: EEE HEAD <hod\_eee@cbit.ac.in>, "Dr.T.Murali Krishna Assistant Professor" <tmuralikrishna\_eee@cbit.ac.in>

Forwarded message -

From: Col B Venkat <director.fdc@aicte-india.org>

Date: Sun, Aug 2, 2020, 5:09 PM

Subject: Re: CBIT, Hyderabad - Pandemic situation - Permission to conduct the STTP Online - Requested - Reg.

To: Principal CBIT <principal@cbit.ac.in>

- Conduct of 03 STTTPs in online mode are hereby approved.
- 2. Following to be ensured
- Each STTP will be for 06 days from Monday to Saturday, followed by an online exam on last working day ie. Saturday. Certificates will only be issued to those participants who have attended regularly and qualify in the exam with minimum 60% marks.
- STTPs to be scheduled in such a manner that in a month only one is conducted (Space it out evenly so as to complete it by 31 Dec 2020).
- Post successful completion, balance unutilised amount along with interest generated will be returned by RTGS as per the letter.
- Online link of the inauguration will be shared with this office for all the STTPs with an invite for the inaugural function.
- 3. This will be treated as an official correspondence on the subject and will be enclosed at the time of submission of Final Útilisation certificate.

With warm regards, Col B Venkat, **Director (Faculty Development)** AICTE, New Delhi Mobile - 8130255472

On Fri, Jul 31, 2020 at 2:33 PM Principal CBIT <principal@cbit.ac.in> wrote:

Respected Sir,

Ref: 1. STTP- Sanctioned - L.No.34-65/288/RIFD/STTP/Policy-1/2018-19 dated:10-01-2020 (Enclosed)

Letter issued by AICTE regrading this dated 25-06-2020. (Enclosed)

3. Brochure of STTP (Phase-1) -(Enclosed)

4. Tentative Schedule

This is to bring to your kind notice that the Department of Electrical and Electronics Engineering of our Institute got sanctioned with Rs.3,00,000/- to conduct STTP on "Trends and Challenges of Hybrid Electric Drive utilities in Transport sector" as Dr. T. Murali Krishna as coordinator, vide Ref.(1) cited

# CHAITANYA BHARATHI

CHIEF PATRON

Kavi Kireeti Dr. V MALAKONDA REDDY

President, CBIT

### PROGRAM MONITORING COMMITTEE (PEC)

Prof. G. P. SARADHI VARMA (Chairman) Principal, CBIT

Prof. U. K. CHOUDHURY (Subject Expert)
Director I&I, CBIT

Prof. G. SURESH BABU Head, Dept. of EEE

Prof. D. KRISHNA REDDY (Member) Head, Dept. of ECE

Prof. P.V.R. RAVINDRA REDDY (Member) Head, Dept. of Mechanical Engineering

#### Dr. T. MURALI KRISHNA

(Coordinator-STTP & Member secretary-PEC) Associate Professor, Department of EEE

#### CO-COORDINATORS

Sri M. NAGARAJU, Assistant professor, Dept. of EEE

Dr. N.V. PHANENDRA BABU, Assistant professor, Dept. of EEE Registration Fee

Free

IMPORTANT DATES

Last date for Registration

: 30-10-2020

Intimation of selection

: 31-10-2020

#### HOW TO APPLY

The applicants should fill the Registration Form through Google Forms using below link

E-certificate will be issued to those Participants who attend 80% of the sessions and clear the exam with 60% marks.

#### FOR FURTHER DETAILS PLEASE CONTACT

E-mail: sttpeee@cbit.ac.in

Mobile: 7702578106,7013526685, 9866479770

#### REGISTRATION LINK

https://forms.gle/keJiTtHYkvxaGgwf9









AICTE - Sponsored
SHORT TERM TRAINING PROGRAM
(STTP)

Phase - II

on

TRENDS & CHALLENGES
OF HYBRID ELECTRIC
DRIVE UTILITIES IN
TRANSPORT SECTOR

02<sup>nd</sup> - 07<sup>th</sup> November, 2020

Organized by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(Autonomous)

CBIT, established in the Year 1979, has developed in Four Decades of its journey, as one of the Premier Engineering Institutes in INDIA, in Telangana State. The Institute offers Eleven UG and Eleven PG Programs into which Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected holistically to secure Placements in reputed National and Multi-National Industries. Alumni, nearly 25,000 Graduate Engineers, are successfully placed in their Careers and as Entrepreneurs Globally. The Institute has been granted Autonomous.



#### ABOUT THE DEPARTMENT

CBIT started Electrical & Electronics Engineering UG course in 1994 and was accredited thrice i.e. in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a

course in Power Systems & Power Electronics in 2006 with an intake of 18 and was accredited by NBA in the year 2016. The Department has highly qualified and experienced faculty. The Department is having well equipped labs with latest Hardware & Software, The Department is also certified by ISO 9001:2008. The Department is recognized as Research Centre in 2017 by Osmania University to carry out research for the award of Ph.D. degree. The Department is keen on developing consultancy services and welcomes funding research from outside agencies. The Department in the year 2019-20 has received a funding of Rs.2,72,000 under AICTE-STTP Scheme for MATLAB Research Methodology project, Rs. 3,00,000 under AICTE-STTP scheme for Hybrid Electric Utilities Project and Rs.11,00,000 under AICTE-RPS Scheme for Development of Low-Cost Flexible Quality Conditioner to Mitigate Power Quality Issues and MODROBS for special electrical machines to the tune of Rs.17 Lakh.

#### ABOUT THE FDP

Deterioration in air quality, global warming, and a decrease in petroleum resources are becoming the major threats to human beings. More and more stringent emissions and fuel consumption regulations are stimulating an interest in the development of safe, clean, and high-efficiency transportation. It has been well recognized that electric, hybrid electric, and fuel-cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades,

the research and development activities related to of high efficiency, clean, and Modern Electric, Hybrid Electric, and Fuel Cell Vehicles safe transportation.

#### TOPICS TO BE COVERED IN STTP

- Over View of Electric Vehicle & Govt. Policies
- Hybrid Electric Vehicle and its performance
- ♣ Electric Vehicle Mechanics and Modelling
- Power Converters for Electric Vehicles
- ♣ PM motor Drives for EVs
- ♣ Induction Machine Drives for EVs
- ♣ Charging Stations & Wireless Chargers
- Testing & Certification
- ♣ PWM Techniques for Inverters

#### RESOURCE PERSONS

Resource Persons will be from Renowned Institutions such as IIT's/NIT's, Industries like Tata Motors, and host Institution.

#### TARGET GROUP

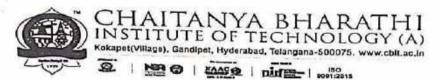
The STTP is expected to benefit Engineers, Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.



in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a

cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades,

Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.





AICTE - Sponsored Short Term Training Program (STTP-Phase-2) Schedule

### TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVEUTILITIES IN TRANSPORT SECTOR 102\*\*-07\*\*November 2020

	11.30 AM - 1.00 PM		2.30 PM - 4.00 PM
02-11-2020 Monday	Overview of Electric Mobility, Policy and Guidelines, National and International Trends and Challenges Dr. U.K. Choudhury, Prof. & Director(1&I), CBIT, (Ex ED, CTM, BHEL)		Permanent Magnet Motor drives for Electric Vehicle Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)
03-11-2020 Tuesday	Hybrid Electric Vehicle, Series/Parallel Hybrid, Plug-in Hybrid Vehicle Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)		Advances in Multi-Level Inverters Dr. P. Satish Kumar, Associate Professor, Dept. of EEE, Osmania University
04-11-2020 Wednesday	Electric Hybrid Vehicle Mechanics, Modelling and Performance Calculation Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)	nch break	Design and Analysis of Power Converters for Electric Vehicles, Dr. Krishna Vasudevan, Professor, IIT Chennai
05-11-2020 Thursday	Power Convertersfor Hybrid Electric Vehicle Dr. O. Chandrasekhar, Associate Professor, Dept. of EE, NIT-Srinagar	Lunc	Open-end winding Induction Motor Drives Dr. V.T. Soma Sekhar, Professor, Dept. of EE, NIT-Warangal
06-11-2020 Friday	Mr. Manoj Desai, General Manager, ARAI, Pune		High Energy Batteries for EV Applications Dr. S. Venugopalan, Prof. PES College of Engg. (Ex ISRO Official)
07-11-2020 Saturday	Mr. Intil Charma MD Taineri Caren From Dec 143		Test, Feedback and valedictory

Coordinator-SITP

HoD - EEE, CBIT

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD-75 Department of Electrical & Electronics Engineering

Date: 26-10-2020

Minutes of the meeting conducted on 26th October, 2020.

Members Present:

1. Dr. G. P. Saradhi Varma, Principal, CBIT (3)

2. Dr. G. Suresh Babu, Prof & Head, Dept. of EEE,

3. Dr. U.K. Choudhury, Prof. Dept. of EEE,

4. Dr. D. Krishna Reddy, Head, Dept. of ECE,

5. Dr. P.V. R. Ravindra Reddy, Head, Dept. of Mechanical Engg., >

6. Dr. T. Murali Krishna, Assoc. Prof, Dept. of EEE, Thisk

7. Mr. M. Nagaraju, Asst. Prof, Dept. of EEE

8. Dr. N.V. Phanendra Babu, Asst. Prof, Dept. of EEE,

The meeting started with the greetings from the Head of the department.

Item No.1: To form Program Evaluation Committee

Minutes: Principal Dr. G. P. Saradhi Varma asked the same members to be in PEC

Item No.2: To Conduct STTP Phase-II on on-line mode

Minutes: HoD asked the coordinator of STTP to prepare Brochure & Schedule for STTP Phase -2 as per the AICTE guidelines and send the invitation link to AICTE.

Item No.3: Conduct of STTP

Minutes: Dr. U. K. Choudhary suggested resource persons for the STTP.

Sri. M. Nagaraju &Dr. N. V. Phanendra Babu are asked be the co-coordinators for Phase-2

#### Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR during 02" - 07"November 2020

Totally 84 participants from 8 states registered for the STTP, but 58 participants regularly attended the program out of which 48 received certificates by clearing the end examination with equal to or more than 60% in which was conducted on the last day i.e. on 07-11-2020. Every day two sessions are conducted (tone in the morning and one in the evening) which is of 1 % hour duration. The program was conducted on google-meet platform. After the completion of each session the attendance and feedback forms are shared in the chat box. The detailed report of each session is given below.

02-11-2020

Session-1

Time: 11:30 AM to 01:10 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(1&1), CBIT, (Ex ED, CTM, BHEL)

Topic: Introduction to Electric Mobility, Policy and Guidelines, Trends and Challenges

The session started with drivers for electric mobility, present scenario & challenges, govt initiatives and forecast, types of EVs, HEVs and their components, fuel cell EV, charging infrastructure and technology, strategy for R&D and manufacturing and opportunities. Then he discussed about electric vehicle components of pure electric vehicle with front wheel drive, back wheel drive and four-wheel drive. He also explained about rechargeable battery electric vehicle. Sir shown a statistic of usage of cars in all over the world along with Indian EV market growth in 2020.

02-11-2020

Session-2

Time: 02:30PM to 04:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Permanent Magnet Motor Drives for Electric Mobility

In this session, the design aspects, advantages, classification and applications of the permanent magnet machines are discussed. The performance requirement of electric vehicle in terms of torque density, power density speed range, efficiency, hill climbing, intermittent overload capacity, overtaking, reliability, robustness, low acoustic noise and reasonable cost are discussed. Sir shown different pictures of permanent magnets, precision thin material, flexible magnets and the comparison between various magnets are discussed. Domain movement during magnetization, magnetizer and critical points for permanent magnet generators are deliberated.

03-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Hybrid Electric Vehicle, Series/Parallel Hybrid, Plug-in Hybrid Vehicle

Session started with the basic components of Power electronics, Significance of Static switches, PI control gains in the design of power converters, Importance of IGBT in the medium voltage high current applications, Intelligent power modules, Latest materials used in power devices like Silicon carbide, Gallium Arsenide, Thin Film, Superconductors etc. then presented the types of electric vehicles, Basic design aspect of converters like Importance of technical specifications, Application standards, selection of semiconductor device, EMI/EMC standards, DC link capacitor. The continued with Scalar & vector control of induction motor.

#### Report on ARCTE Sponsored STYP on "TRENIDS & CHAILENGES OF HYRRID FEEL TRIC DRIVE HTB ITHS By TRANSPORT SECTOR during 67" 67" towendor 2016.

03-13-2020

Savainn-1

Time: 02:30 PM to 04:00 PM

Specifier Dr. F. Salish Kumar, Associate Professor, Dept. of EEE, Osmania University

Topic: Advances in PWM techniques for Inverters

The resource person has given overview of Space-Vector pulse width modulation-based algorithm for multilevel inverters. He explained different pulse width modulation techniques used for multilievel inverters, the started with conventional two level inverter operation and he focussed on detailed explanation of space-vector pulse width modulation technique. He has shown the comparison between two level and three level inverters in various parameters.

04-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic Electric Hybrid Vehicle Mechanics, Modelling and Performance Calculation

The session started with a description on series and parallel electric vehicle and regenerative breaking in electric vehicles, and the comparison of ICO and payback for electric vs diesel buses. The variation of braking with respect to deceleration rate has explained. The concept of rolling resistance and grading resistance of road has been discussed for different types of roads. The torque development of the motor with respect to different surfaces is explained. Later, he discussed about aero dynamics concept of wind pressure on vehicle. How the rolling resistance varies with the speed of the vehicle has shown in the graph.

04-11-2020

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. Krishna Vasudevan, Professor, IIT Chennal

Topic: Design and Analysis of Power Converters for Electric Vehicles

Sirstarted the session with steps involved for designing an inverter. He explained the selection procedure for power device based on current rating and power loss. Heat sink design considerations explained for inverter. Then he differentiated between diode voltage drop and IGBT voltage drop during selection of power device. The design of DC bus with a decoupling capacitor has been discussed. He also given detailed description about gate driver circuits by considering dead time and its effects.

05-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Dr. O. Chandrasekhar, Associate Professor, Dept. of EE, NIT-Srinagar

Topic:Power Converters for Hybrid Electric Vehicle

In this lecture, sir has given a detailed explanation of converter regarding objective, applications, IEC standards, general representation of converters. He compared various topologies implemented and available for converters and implementation of IB3 converter. For a given duty cycle what is a simulated voltage and what is a theoretical voltage also been explained. Then the same voltages have observed with different duty cycle. He has shown graphical explanation of power factor, efficiency and ripple content with respect to duty cycle variation. He also discussed the total Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR"during 02" - 07"November 2020

harmonic distortion by varying the voltage from 90 volts to 260 volts, and load with different impedances, for a proposed topology.

05-11-2020

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. V.T. Soma Sekhar, Professor, Dept. of EE, NIT-Warangal

Topic: Open-end winding Induction Motor Drives

This session started with two level inverter concepts. The switches toggling, current waveform and voltage waveform has been explained with wave shape and it is non sinusoidal. Then he discussed the drawback of non-sinusoidal voltage given to induction motor. And sir discussed about pole voltage, motor phase voltage and common mode voltage with calculation of motor phase voltage with remaining two voltages. Sir has given detailed description of switching states and null states of two level inverter with total harmonic harmonic spectra with modulation and without modulation. He said how to get three level from two level inverter using space vector modulation. Then neutral point clamped and cascaded inverter concepts have been explained. He focussed on open end winding induction motor with isolated DC source. How to reduce the effect of zero sequence currents also been discussed.

06-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Mr. Manoj Desai, General Manager, ARAI

Topic: Testing and Certification

This session is on testing and certification of electric vehicles. Sir has explained why the standards are required and salient features of electric vehicle. The regulation frame work and the rules followed by vehicle certification of less than 250 watts rating. Also discussed about type approval testing with verification, safety and performance. Then the battery management systems and their performance has been discussed. He focussed on ARAI approaches such as AIS 038 for M and N vehicles, AIS 156 high category vehicle. Described about the AIS 157 and 168 for fuel cell and agricultural. The classification and standards for battery charging stations also depicted. The phase-2 of FAME scheme implemented by govt of India is also been discussed.

06-11-2020

D

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. Venugopal, Ex- ISRO official.

Topic: High Energy Batteries and Performance

Started with definition of battery and its specifications like energy density, power density and safety. Classification of batteries based on active materials, electrolytes, and case materials etc. And then he discussed about various materials used for anode, cathode, separator and electrolyte etc. He quoted about evolving process of Lithium manganese aluminium oxides in the battery technology. Sir has focussed more on progress of Lithium ion, silicon anode and try electrode. Then he discussed about electric vehicle battery pack design trade off. He quoted about aerodynamics and electric vehicles in the city limits. National Automotive testing R&D infrastructure project is also been discussed. Sir explained about battery swapping also.

### Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR"during 02°d - 07°November 2029

07-11-2020

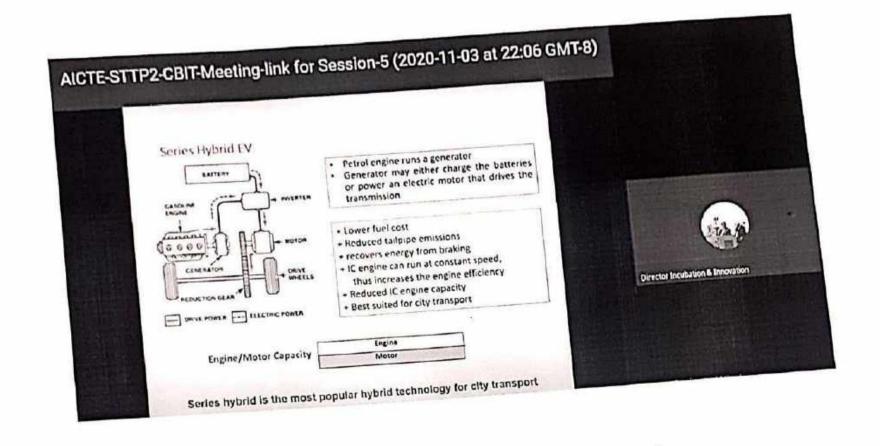
Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd.

Topic: Electric Vehicle for Transport Application

The vehicles landscape in India is introduced by the resource person. Discussed about EVs, BEVs, ZEVs & BOU etc., electric vehicles viabilities like charging infrastructure, increased efficiency, reduction of cost and policies related to motor drive technology. He more focused on innovation, life cycle, project management. Then continued with the products developed for various applications like EVs in golf-carts, vehicles for cleaning of solar panels, e-ambulances in hospitals, missile carriers in defence sector, vehicles for vigilance & security, forest & tourism, public health and sanitation by Tejaswi GreenEngg. Pvt. Ltd.



## AICTE - Sponsored Short Term Training Program (STTP-Phase-2) On TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR 02<sup>nd</sup> - 07<sup>th</sup>November 2020

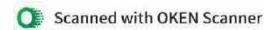
#### List of participants shortlisted for Certificates

PDF No.	Participant Name (which you want to be printed on the cartificate)	Registered Email	Name of the College/Industry
2	S Manohar Reddy	sayri.menohar@gmail.com	S Manchar Reddy
3	Yassar Arfat	yassar@bgsbu.ac.in	Department Electrical Engineering ScET 8/368 University Rajouri J&K UT India
4	R Chander	chander.ramavath@gmail.com	University college of engineering osmenia University Hyderabad
5	Dr. K.MUTHU	mkrithivasan283@gmail.com	Institute of Chemical Technology, Taramani, Chemia 113
6	Dr.P.MARISH KUMAR	p.marishkumar@gmail.com	EASWARI ENGINEERING COLLEGE
7	SRINU BHUKYA	srinu.bhukya@gmail.com	OSMANIA UNIVERSITY
8	SUDHIR KUMAR SHARMA	sudhirs390@gmail.com	SLIET LONGOWAL
9	ABHAS KUMAR SINGH	abhasnitn@gmail.com	IEEE (MEMBER)
10	Amar Nath sah	amar@nii.ac.in	National Institute of Immunology
11	ENUMULA MANOJ	enumulamanoj@gmail.com	Jayamukni Institute of Technological Sciences
12	Madgula Satyanarayana	m.satyaa78@gmail.com	Jayamukhi institute of technological sciences
13	BIBHU PADARBINDA MOHANTY	bibhu.cetb@gmail.com	COLLEGE OF ENGINEERING AND TECHNOLOGY, BHUBANESWAR
14	Edara V C Sekhara Rao	sekhararao_eee@mvsrec.edu.in	M. V. S. R. Engineering College
15	Venkateswarlu Velisala	2venkee@gmail.com	VKR VNB & AGK College of Engineering
16	BURRI ANKAIAH	anks202@gmail.com	REVA University
17	VIKRAM SINGH BHATI	bhati.vikram2@gmail.com	ARYA COLLEGE OF ENGINEERING AND INFORMATION TECHNOLOGY
18	M.VENKATACHALAM	venkatachalam.m@eec.srmmp.ed u.in	EASWARI ENGINEERING COLLEGE
19	K.V.THILAGAR	thilagar.v@eec.srmrmp.edu.in	Easwari Engineering College
20	PRITAM SINGHA RAY	pritam.singha.ray@gmail.com	Bankura Government Polytechnic
21	PRAKASH C	prakashvaiju@gmail.com	JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
22	MD SAZZAD	alimd31809@gmail.com	ARKA JAIN UNIVERSITY JAMSHEDPUR JHARKHAND
23	RASMIRANJAN SAMAL	rasmiranjan.samal@silicon.ac.in	SILICON INSTITUTE OF TECHNOLOGY SAMBALPUR

24	KIRAN YADDANAPUDI	kiran045@gmail.com	Jawaharlal Nehru Technological University Hyderabad, Hyderabad
25	P. RAMKISHORE KUMAR REDDY	prkkreddy252@gmail.com	Mahatma Ghandi Institute of Technology
26	P Lakshmi Supriya	plsupriya18@gmail.com	Mahatma Gandhi Institute of Technology
27	K Krishnaveni	krishnaveni eee@cbit.ac.in	Chaitanya Bharathi Institute of Technology
28	KOLA SURESH KUMAR	kolasuresh18@gmail.coom	ANURAG COLLEGE OF ENGINEERING
29	DASYAM SUSHMA	shushmamarun@gmail.com	RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (IIIT),BASAR
30	Elisha Undeti	elisha27u@gmail.com	Vasavi College of Engineering
31	DEVAREDDY HARSHA	dharsha_eee@cbit.ac.in	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)
32	KUNTLA VEERESHAM	veeresham_k@vnrvjiet.in	VNR Vignana Jyothi Institute of Engineering and Technology
33	Mrs.N.PRIYA	priya.n@eec.srmrmp.edu.in	EASWARI ENGINEERING COLLEGE
34	S.Rajesh	rajesh118@gmail.com	University College of engineering Osmania University
35	ARUL SELVAN S	arul.automobile@gmail.com	MADRAS INSTITUTE OF TECHNOLOGY
36	CHENNAIAH BANOTH	banoth.chennaiah@gmail.com	JNAFA UNIVERSITY
37	JAGDISH PITAMBAR DHOLWANI	jagdishdholwani@gmail.com	NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR ASSAM
38	V RAJA KUMAR	coolvrajkumar@gmail.com	GITAM DEEMED TO BE UNIVERSITY
39	Ms.R.RAMYA	chanmeya.17@gmail.com	K.S.K COLLEGE OF ENGINEERING AND TECHNOLOGY
40	Dr.M.RAJMAL JOSHI	rajmaljoshi@gmail.com	PANIMALAR ENGINEERING COLLEGE
41	CHADARAM CHANDRA SEKHAR	cschandu.chandra@gmail.com	NIT WARANGAL
42	Dr. ANANTHABABU PALAPARTHI	ananthatnet@gmail.com	Malla Reddy Engineering College(Autonomous)
43	Swati Paliwal	swatipaliwal_eee@mgit.ac.in	Mahatma Gandhi institute of technology
44	VIGNESH G	vignesh.g@eec.srmrmp.edu.in	Easwari Engineering College
45	TIPIRISETTI RAKESH	tipirisettirakesh21@gmail.com	University College of Engineering Osmania University
46	GOTTIPATI MADHURI	gottipati.madhuri@gmail.com	Vignan Institute of Technology and Science
47	N NAGESWARA REDDY	nageshreddy218@gmail.com	NIT TIRUCHIRAPPALLI
48	S.KARKUZHALI	skarkuzhali.eee@rmd.ac.in	R.M.D. ENGINEERING COLLEGE

Coordinators

Head of the Department, EEE, CBIT(A)



TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR-PHASE-II

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD (AUTONOMOUS)

#### AUDITED UTILIZATION CERTIFICATE

Name of the scheme under which the amount was sanctioned: SHORT TERM TRAINING -PROGRAMME for the technical institutions for the Academic Year 2018-19 during the Financial Year 2019-20

AICTE Sanction Order/Letter No.& Date under which the amount was sanctioned	Amount (Rs.)	- CERTIFICATE
File. No. 34- 65/288/RIFD/STTP/Policy- 1/2018-19 dated 10-01-2020	Grant Received Rs.3,00,000/- (Rupees Three Lakhs Only)	Certified that out of the grant-in-aid of Rs.3,00,000/- (Three Lakhs) sanctioned by the AlCTE during the Financial Year 2019-20 as per the letter mentioned in the margin, a sum of Rs. 1,92,689/-(Rupees One Lakh and Ninety Two Thousand Six Hundred and Eighty Nine Only) has been utilized for the purpose for which it was sanctioned, and the balance of Rs.1,07,311/-(One Lakh Seven Thousand Three Hundred and Eleven only) remained unutilized at the end of the program.

Certified that I have satisfied myself that conditions on which the amount was sanctioned have been duly fulfilled and I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

#### Kinds of checks exercised:-

1. Actual Expenditure

Place: CBIT, Hyderabad
Smt. A. S. V. Subhadra Devi
Superintendent, Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075

Full Address with Seal

Accounts Department

CBIT

For BOLLA & ASSOCIATES

Chartered Accounter + FRN: 0162378

BOLLA NAVEEN KUMAR Partner MRN : 237216

Date: 19-03-2021 .

Principal
Characy Bhares and it of Technology
(Accordance)
Gandipet, Production of 10 078.

Signature of Head of the Institute

Dr. G. P. Saradhi Varma, Principal,

Chaitanya Bharathi Institute of

Technology), Chaitanya Bharathi(Post),

Gandipet, Hyderabad-500075



UDIN: 21237218-AAAAC01930

#### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD (AUTONOMOUS) FOR RECEIPT AND PAYMENT ACCOUNT

(Financial Year 2020-21)

Ref.: Sanction Letter no File. No. 34-65/288/RIFD/STTP/Policy-1/2018-19 dated 10<sub>f</sub>01-2020

Sl. No	Date	Receipt	Amount (Rs)	Sl. No		Date	Payments	Amount (Rs)
1	10- 01- 2020	Amount Sanction ed by AICTE	3,00,000/			*		
				1		17/12/2020	Dr. Umakantha Choudhury	9,000/-
				2		17/12/2020	Sri. G. Balawanth Reddy	3,000/-
				3		17/12/2020	Dr. Y. Chandrasekhar	6,000/-
				4		17/12/2020	Mr. M. Desai,	3,000/-
-				5	ure	17/12/2020	Sri Y.K. Lee	3,000/-
				6	H.	17/12/2020	Mr. S. Ravi	3,000/-
				7	euc	17/12/2020	Mr. S. Eswar Rao	3,000/-
				8	Ž.	17/12/2020	Mr. Venkanna	3,000/-
				9	E	17/12/2020	Mr. Y. Rama Rao	3,000/-
				10	7	17/12/2020	Dr. P. V. N. Prasad	3,000/-
	1			11	Phase- I Expenditure	17/12/2020	Mr. Jatil Sharma	3,000/-
$\neg$				12	Ph	17/12/2020	Dr. R. Gopalan	3,000/-
				13		17/12/2020	Dr. G. Tulasi Ram Das	3,000/-
				14		17/12/2020	Honorarium to Course Coordinator	5,000/-
				15		17/12/2020	Computer Operator	3,000/
				16	- 35	17/12/2020	Internet(Miscellaneous)	1,200/
			v.	17	- 4	25/01/2021	Dr. Umakantha Choudhury	18,000
1				18		25/01/2021	Mr. M. Desai	4,500/
				19:5	Ire	25/01/2021	Dr. P. Satish	4,500/
				20	xpenditure	25/01/2021	Dr. Krishna Vasudevan	4,500/
				21	pen	25/01/2021	Dr. O. Chandrasekhar	4,500
			- 4	22	田	25/01/2021	Dr. V.T. Soma Sekhar	4,500
			9	23	п-	25/01/2021	Dr. S. Venugopalan	4,500
				24	Phase- II	25/01/2021	Mr. Jatil Sharma	4,500
			-	25	Ph	25/01/2021	Honorarium to Course Coordinator	5,000
				26		25/0.1/2021	Computer Operator	3,000
				27		25/01/2021	Internet(Miscellaneous)	1,189



(	Grand Total	3,00,000/-				Olima 2	
			42		18/03/2021	Grand Total	1,92,689/
			41		18/03/2021	Anditor Fee	2,500/-
			40			Miscellaneous	9,300/-
				1	16/03/2021	Computer Operator	3,000/-
-			39	Phase-	16/03/2021	Honorarium to Course Coordinator	5,000/-
			38	38	18/03/2021	Dr.S.Venugopalan	
-			37	6	18/03/2021	Dr. G. Tulasi Ram Das	4,500/-
			36		18/03/2021	Mr. S. Eswar Rao	4,500/-
			35	E	18/03/2021	Mr. Venkanna	4,500/-
			34	K	18/03/2021	Dr.NVPR Dulga Frasac	3.000/-
			33	Je.	16/03/2021	Dr.NVPR Durga Prasad	3.000/-
			32	ē	18/03/2021	Mr. M. Desai	4,500/-
			31	III Expenditure	18/03/2021	Naikan Prof. Krishna Vasudevan	4,500/-
			30	1201	18/03/2021	Prof. V N Achutha	4,500/-
			29		18/03/2021	Mr. S. Ravi	4,500/-
			28		18/03/2021	Dr. Umakantha Choudhury Raunak Choudhury	15,000/- 4,500/-

Smt. A. S. V. Subhadra Devi Superintendent, Chaitanya Bharathi Institute of Technology), Chaitanya Bharathi(Post), Gandipet, Hyderabad-500075

Accounts Department
CBIT

Signature of Head of the Institute
Dr. G. P. Saradhi Varma, Principal,
Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075
Principal

Chattenya Ehereidd institute at Technology (Autocomous) Gandlant, Hyderabad 200 075.

For BOLLA & ASSOCIATES
Chartered Accountants
FRN: 016237S

BOLLA NAVEEN KUMAR

Partner MRN: 237218

Place: CBIT, Hyderabad

Date: 19-03-2021





### CHAITANYA BHARATTU INSTITUTI OF TRUINOLOGY (A)

Date: 20.03.2021

10

The Manager, ICICI Bank

Dear Sir.

Sub: Remittance of Amount by NEFT/RTGS

We enclose here with our Cheque No. 000432 dated 20.03.2021 for Rs.1,07,311/- drawn in your drawn in your favour on A/c, No. 438501000041 and request you to send NEFT/RTGS Member, Secretary, AICTE, New Delhi as per details given here under.

Name of Beneficiary

Member, Secretary, AICTE, New Delhi

Beneficiary Bank Name

SBL

Beneficiary Account Vember

\$511310005

Beneficiary Branch Name

Shastri Bhawan, New Delhi

Beneficiary IFSC Code

SBIN0050203

Kindly acknowledge.

Thanking you

Yours Faithfully

For Chaitanya Bharathi Institute of Technology (A)

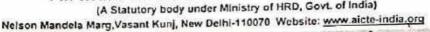
PRINCIPAL

PRESIDENT

26 68 2004

#### All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)





\*STTP-Sanction Letter

Ref. No. 34-65/288/RIFD/STTP/Policy-1/2018-19

Date 10 JAN 2020

To

The Drawing and Disbursing Officer, All India Council for Technical Education, Nelson Mandela Marg, Vasant Kunj, New Delhi - 110070

Sub: Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2018-19 during the financial year 2019-20- reg.

Sir,

This is to convey the sanction of the Council for payment of Rs. 300000 /- (Rupees Three Lakh Only) for conduct of Short Term Training Program as per details given below:-

1.		CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY,				
	University / Institution	CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.)				
		HYDERABAD. 500075				
		RANGAREDDI-500075 Telangana				
2.	Permanent ID of Institute	1-4735791				
3.	Institute type	Unaided - Private				
4.	Name of Coordinator	Dr. MURALI TANGIRALA				
5.	Amount sanctioned	Rs. 300000/-				
6	Amount to be released	Rs.300000/- Full & final payment				
7.	Head of account	601.15(a) Gen. Short Term Training Programme (Plan)				
8	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	REGISTRAR / DIRECTOR / PRINCIPAL				
9.	Title of the programme	Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector				

- 1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.
- 2. This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

3. The Principal of the Institute and the Coordinator of the Program are requestively the correctness of the under-mentioned Bank Account / RTGS Ueta submitted by them alongwith the proposals, in which the grant is being released:

Institute PAN Bank No. Name	Bank Branch Name	Bank Branch Address	Holder Name	Type	ii. Number	ANDB0000643
AABTC1906A Andhra Bank	CBIT Campus, Kokapet Branch	CBIT post, Gandipet, Hyderbad	Chaitanya Bharathi Institute of Technology	Account		

### Instructions/Guidelines to be followed by the University/Institution

### Disbursement of funds to University/Institutions

- a. The full amount of the grant sanctioned is being released as advance to the University/Institute.
- b. The amount spent by the institute on the conduct of STTP shall be adjusted on the basis of utilization certificate and detailed expenditure statement submitted by the University/Institution on the prescribed format along with other mandatory documents viz feedback form, copy of proceedings and completion report etc.
- c. The above said amount of grant shall be refunded back to AICTE if the Letter of Approval (LOA) / Extension of Approval (EOA) is not issued by AICTE to the institute for the academic year 2019-20.

#### II Maintenance of Accounts

- a. The Institute shall strictly follow the provisions laid down in the scheme document as available on the portal.
- b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
- c. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- d. The grant is intended to cover items of expenditure connected with the Short Term Training Programme such as Boarding & Lodging to the participants, TA to outstation participants, Honorarium to Course Coordinator, reading material to participants, Honorarium to resource persons, TA/DA to resource persons including two outstations resource persons & working expenses (reprographic services, postage, transport, daily wages, tea/coffee etc.

#### III. Conduct of test and issuance of certificate

A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test.

### IV. Submission of Documents by the University/Institutions to AICTE

- a. The following mandatory relevant documents are required to be submitted by the University/Institution within one month of the completion of the program:-
  - (i) Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Format for the same is available on AICTE web portal.

The University/Institution is not required to submit-bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.

- (ii) Feedback form in the prescribed proforma.
- (iii) Copy of the proceedings and completion report.
- (iv) List of candidates who have successfully completed the program on the basis of the test conducted by Program Evaluation Committee (PEC).
- (v) Report submitted by Program Evaluation Committee (PEC).
- b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid adjusted.

#### V. General instructions

- a. Preferably 10% of the participants may be industry professionals deputed by industry. Further, not more than 2 participants shall be from the host institution/group of institutions.
- b. Money to be reimbursed on the grant (for any reasons to include unspent amount, interest, penalty if imposed) shall be refunded back to AICTE in the form of Demand Draft payable to Member Secretary, AICTE, New Delhi.
- c. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.
- d. The STTP is a residential program of a duration of six days with minimum 40 participants. The approved STTP shall be conducted within three months from the date of release of funds.
- e. If programme is not conducted in the period of three months of the issuance of this Sanction Order, the released amount, alongwith interest accrued thereon, has to be necessarily returned back to AICTE within a month.
- f. The expenditure under the Heads 'Honorarium to Course Coordinator' and 'Honorarium to Resource Persons' shall not exceed 1% & 20% respectively of the total sanctioned grant for the Programme. However, overall expenditure shall not exceed the funds sanctioned for the Programme.

- g. Any extra money required to complete the programme must be borne by the institute from their own resources. But the quality of the activities should not be · compromised.
- h. Any unavoidable circumstantial change in the program with respect to name of Project Coordinator, Venue and date for organizing STTP would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded mention immediately to the Council. Kindly 65/288/RIFD/STTP/Policy-1/2018-19 in your future correspondence.
- i. Program Evaluation Committee (PEC) is required to be constituted at institutional level. The constitution of the PEC shall be as under:
  - (i) Principal/Director/Registrar of the institution (Chairperson).
  - (ii) Coordinator of the program (Member Secretary).
  - (iii) Two HoDs and one subject expert (members).

The members of the said PEC shall not be below the rank of Associate Professor. A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test. The minutes of the meetings, along with PEC report, are to be submitted to the Council at end of the program along with other mandatory documents.

- j. Gol GFR rules (@https://doe.gov.in/order-circular/general-financial-rules2017-0) should be followed during utilization of grant.
- k. This Sanction Order may be treated as Offer Letter for all purposes.

NOTE:- Any deviation from the above will invoke serious action against the Institute.

Yours sincerely,

(Dileep N Malkhede Advisor-I (RIFD)

16 JAN 2020

Copy forwarded for information and necessary action to: -

Name and Address of the Coordinator Dr. MURALI TANGIRALA

9.

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CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075

HYDERABAD 500075 Telangana

The Registrar / Director / Principal

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075 HYDERABAD 500075 Telangana





#### अखिल भारतीय तकनीकी शिक्षा परिषद्

(भारत सरकार का एक सांविधिक निकाय) मानव संसाधन विकास मंत्रालय, भारत सरकार नेल्सन गंडेला मार्ग, नई दिल्ली-110067

#### ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A Statutory Body of the Govt. of India)
Ministry of Human Resource Development, Govt. of India
Nelson Mandela Marg, New Delhi-110067

Col. B. Venkat
Director (FDC)
E-mail: director.fdc@aicte-india.org
Mob. No. 8130255472

25 June 2020

Sub:-For information of AICTE approved institutes which have received grants for conducting STTP's/FDP's under AQIS 2018-19.

Sir.

This is in reference to grants released by AICTE under AQIS 2018-19 for conduct of STTP's/FDPs. It is being observed that due to present circumstances of ongoing pandemic of COVID-19, most of Institutes are facing difficulties in organizing and conducting STTP's. This office has received a number of requests from various institute to allow on line method of conducting STTP/FDP to complete their commitments.

In this regard, it is to inform that all such institutes, which have already received grants for conducting STTP's/FDPs through prevailing contact mode, are allowed to conduct STTP's through online mode subject to following conditions:

(i) The Institute will be allowed to adjust the grants received for STTP at following rates:-

a.	Honorarium for Coordinator	Rs. 5000.00
b.	Honorarium to experts	Rs. 75000.00
c.	Provision for payment to lab attendant engaged during lab practices	
d.	miscellaneous charge	Rs. 10000.00
	Total for each STTP's	Rs 93000.00

(ii) The Institute will conduct more than one STTP's in multiples of Rs. 93000.00 within the total grant received by it and shall return the balance unspent amount to AICTE.

e.g.

if	an	Institute	has	=Rs 3,00,000.00
Co	st of t	grant for ST hree STFP	11	3x93000= Rs. 279000.00
Balance			nce	= Rs. 21,000.00

The institute will return the balance unspent amount of Rs.21,000.00 alongwith interest earned on such amounts to AICTE while submitting UC for adjustment of accounts for technique its eligibility for receiving grants in past ACIS



(iii) The institute will conduct all three STTP's as explained above on the same topic which has been approved by AICTE while releasing the grants.

(iv) Firm dates for each program will be intimated to AICTE

beforehand.

On similar lines FDP (02 week program) to be conducted online has the following approval totaling to Rs. 1,86,000.00.

-	Honorarium for Coordinator	Rs. 5000.00
a.	Honorarium for Coordinates	Rs. 1,68,000.00
ь.	Honorarium to experts	
c.	Provision for payment to lab attendant engaged during lab practices	
	and a final control of the control o	Rs. 10000,00
d.	miscellaneous charge Total for each FDPs	Rs 1,86,000.00

The conducting of FDP's (two weeks program) shall be subjected to the similar conditions (i) to (iv) given above for conduct STTP courses, except rates of Honorarium to experts.

You are requested to acknowledge receipt of above guidelines and convey your consent if your institute is ready for conducting the STTP through online format on conditions explained above.

It is once again reiterated that online conduct of FDP & STTP will be

on explicit permission of AICTE.

rs sincerely,

Director (FDC)



Dr.T.Murali Krishna Assistant Professor <tmuralikrishna\_eee@cbit.ac.in>

#### Fwd: CBIT, Hyderabad - Pandemic situation – Permission to conduct the STTP Online - Requested - Reg.

Principal CBIT <principal@cbit.ac.in>

Sun, Aug 2, 2020 at 6:11 PM

To: EEE HEAD <hod\_eee@cbit.ac.in>, "Dr.T.Murali Krishna Assistant Professor" <tmuralikrishna\_eee@cbit.ac.in>

Forwarded message -

From: Col B Venkat <director.fdc@aicte-india.org>

Date: Sun, Aug 2, 2020, 5:09 PM

Subject: Re: CBIT, Hyderabad - Pandemic situation - Permission to conduct the STTP Online - Requested - Reg.

To: Principal CBIT <principal@cbit.ac.in>

- Conduct of 03 STTTPs in online mode are hereby approved.
- 2. Following to be ensured
- Each STTP will be for 06 days from Monday to Saturday, followed by an online exam on last working day ie. Saturday. Certificates will only be issued to those participants who have attended regularly and qualify in the exam with minimum 60% marks.
- STTPs to be scheduled in such a manner that in a month only one is conducted (Space it out evenly so as to complete it by 31 Dec 2020).
- Post successful completion, balance unutilised amount along with interest generated will be returned by RTGS as per the letter.
- Online link of the inauguration will be shared with this office for all the STTPs with an invite for the inaugural function.
- 3. This will be treated as an official correspondence on the subject and will be enclosed at the time of submission of Final Útilisation certificate.

With warm regards, Col B Venkat, **Director (Faculty Development)** AICTE, New Delhi Mobile - 8130255472

On Fri, Jul 31, 2020 at 2:33 PM Principal CBIT <principal@cbit.ac.in> wrote:

Respected Sir,

Ref: 1. STTP- Sanctioned - L.No.34-65/288/RIFD/STTP/Policy-1/2018-19 dated:10-01-2020 (Enclosed)

Letter issued by AICTE regrading this dated 25-06-2020. (Enclosed)

3. Brochure of STTP (Phase-1) -(Enclosed)

4. Tentative Schedule

This is to bring to your kind notice that the Department of Electrical and Electronics Engineering of our Institute got sanctioned with Rs.3,00,000/- to conduct STTP on "Trends and Challenges of Hybrid Electric Drive utilities in Transport sector" as Dr. T. Murali Krishna as coordinator, vide Ref.(1) cited

# CHAITANYA BHARATHI

CHIEF PATRON

Kavi Kireeti Dr. V MALAKONDA REDDY

President, CBIT

## PROGRAM MONITORING COMMITTEE (PEC)

Prof. G. P. SARADHI VARMA (Chairman) Principal, CBIT

Prof. U. K. CHOUDHURY (Subject Expert)
Director I&I, CBIT

Prof. G. SURESH BABU Head, Dept. of EEE

Prof. D. KRISHNA REDDY (Member) Head, Dept. of ECE

Prof. P.V.R. RAVINDRA REDDY (Member) Head, Dept. of Mechanical Engineering

#### Dr. T. MURALI KRISHNA

(Coordinator-STTP & Member secretary-PEC) Associate Professor, Department of EEE

### CO-COORDINATORS

Sri M. NAGARAJU, Assistant professor, Dept. of EEE

Dr. N.V. PHANENDRA BABU, Assistant professor, Dept. of EEE Registration Fee

Free

IMPORTANT DATES

Last date for Registration

: 30-10-2020

Intimation of selection

: 31-10-2020

#### HOW TO APPLY

The applicants should fill the Registration Form through Google Forms using below link

E-certificate will be issued to those Participants who attend 80% of the sessions and clear the exam with 60% marks.

#### FOR FURTHER DETAILS PLEASE CONTACT

E-mail: sttpeee@cbit.ac.in

Mobile: 7702578106,7013526685, 9866479770

#### REGISTRATION LINK

https://forms.gle/keJiTtHYkvxaGgwf9









AICTE - Sponsored
SHORT TERM TRAINING PROGRAM
(STTP)

Phase - II

on

TRENDS & CHALLENGES
OF HYBRID ELECTRIC
DRIVE UTILITIES IN
TRANSPORT SECTOR

02<sup>nd</sup> - 07<sup>th</sup> November, 2020

Organized by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



## CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(Autonomous)

CBIT, established in the Year 1979, has developed in Four Decades of its journey, as one of the Premier Engineering Institutes in INDIA, in Telangana State. The Institute offers Eleven UG and Eleven PG Programs into which Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected holistically to secure Placements in reputed National and Multi-National Industries. Alumni, nearly 25,000 Graduate Engineers, are successfully placed in their Careers and as Entrepreneurs Globally. The Institute has been granted Autonomous.



## ABOUT THE DEPARTMENT

CBIT started Electrical & Electronics Engineering UG course in 1994 and was accredited thrice i.e. in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a

course in Power Systems & Power Electronics in 2006 with an intake of 18 and was accredited by NBA in the year 2016. The Department has highly qualified and experienced faculty. The Department is having well equipped labs with latest Hardware & Software, The Department is also certified by ISO 9001:2008. The Department is recognized as Research Centre in 2017 by Osmania University to carry out research for the award of Ph.D. degree. The Department is keen on developing consultancy services and welcomes funding research from outside agencies. The Department in the year 2019-20 has received a funding of Rs.2,72,000 under AICTE-STTP Scheme for MATLAB Research Methodology project, Rs. 3,00,000 under AICTE-STTP scheme for Hybrid Electric Utilities Project and Rs.11,00,000 under AICTE-RPS Scheme for Development of Low-Cost Flexible Quality Conditioner to Mitigate Power Quality Issues and MODROBS for special electrical machines to the tune of Rs.17 Lakh.

## ABOUT THE FDP

Deterioration in air quality, global warming, and a decrease in petroleum resources are becoming the major threats to human beings. More and more stringent emissions and fuel consumption regulations are stimulating an interest in the development of safe, clean, and high-efficiency transportation. It has been well recognized that electric, hybrid electric, and fuel-cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades,

the research and development activities related to of high efficiency, clean, and Modern Electric, Hybrid Electric, and Fuel Cell Vehicles safe transportation.

## TOPICS TO BE COVERED IN STTP

- Over View of Electric Vehicle & Govt. Policies
- Hybrid Electric Vehicle and its performance
- ♣ Electric Vehicle Mechanics and Modelling
- Power Converters for Electric Vehicles
- ♣ PM motor Drives for EVs
- ♣ Induction Machine Drives for EVs
- Charging Stations & Wireless Chargers
- Testing & Certification
- ♣ PWM Techniques for Inverters

## RESOURCE PERSONS

Resource Persons will be from Renowned Institutions such as IIT's/NIT's, Industries like Tata Motors, and host Institution.

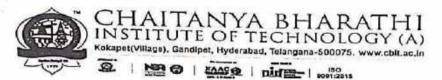
## TARGET GROUP

The STTP is expected to benefit Engineers, Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.

in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a

cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades,

Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.





AICTE - Sponsored Short Term Training Program (STTP-Phase-2) Schedule

## TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVEUTILITIES IN TRANSPORT SECTOR 02\*\*d-07\*\*November 2020

	11.30 AM - 1.00 PM		2.30 PM - 4.00 PM
02-11-2020 Monday	Overview of Electric Mobility, Policy and Guidelines, National and International Trends and Challenges Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)		Permanent Magnet Motor drives for Electric Vehicle Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)
03-11-2020 Tuesday	Hybrid Electric Vehicle, Series/Parallel Hybrid, Plug-in Hybrid Vehicle Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)	ach break	Advances in Multi-Level Inverters Dr. P. Satish Kumar, Associate Professor, Dept. of EEE, Osmania University
04-11-2020 Wednesday	Electric Hybrid Vehicle Mechanics, Modelling and Performance Calculation Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)		Design and Analysis of Power Converters for Electric Vehicles, Dr. Krishna Vasudevan, Professor, IIT Chennai
05-11-2020 Thursday	Power Convertersfor Hybrid Electric Vehicle Dr. O. Chandrasekhar, Associate Professor, Dept. of EE, NIT-Srinagar	Lum	Open-end winding Induction Motor Drives Dr. V.T. Soma Sekhar, Professor, Dept. of EE, NIT-Warangal
06-11-2020 Friday	Mr. Manoj Desai, General Manager, ARAI, Pune		High Energy Batteries for EV Applications Dr. S. Venugopalan, Prof. PES College of Engg. (Ex ISRO Official)
07-11-2020 Saturday	Electric Vehicle for Transport Application Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd.		Test, Feedback and valedictory

Coordinator-SITP

HoD - EEE, CBIT



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD-75 Department of Electrical & Electronics Engineering

Date: 26-10-2020

Minutes of the meeting conducted on 26th October, 2020.

Members Present:

1. Dr. G. P. Saradhi Varma, Principal, CBIT (3)

2. Dr. G. Suresh Babu, Prof & Head, Dept. of EEE,

3. Dr. U.K. Choudhury, Prof. Dept. of EEE,

4. Dr. D. Krishna Reddy, Head, Dept. of ECE,

5. Dr. P.V. R. Ravindra Reddy, Head, Dept. of Mechanical Engg., >

6. Dr. T. Murali Krishna, Assoc. Prof, Dept. of EEE, Thisk

7. Mr. M. Nagaraju, Asst. Prof, Dept. of EEE

8. Dr. N.V. Phanendra Babu, Asst. Prof, Dept. of EEE,

The meeting started with the greetings from the Head of the department.

Item No.1: To form Program Evaluation Committee

Minutes: Principal Dr. G. P. Saradhi Varma asked the same members to be in PEC

Item No.2: To Conduct STTP Phase-II on on-line mode

Minutes: HoD asked the coordinator of STTP to prepare Brochure & Schedule for STTP Phase -2 as per the AICTE guidelines and send the invitation link to AICTE.

Item No.3: Conduct of STTP

Minutes: Dr. U. K. Choudhary suggested resource persons for the STTP.

Sri. M. Nagaraju &Dr. N. V. Phanendra Babu are asked be the co-coordinators for Phase-2

## Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR during 02" - 07"November 2020

Totally 84 participants from 8 states registered for the STTP, but 58 participants regularly attended the program out of which 48 received certificates by clearing the end examination with equal to or more than 60% in which was conducted on the last day i.e. on 07-11-2020. Every day two sessions are conducted (tone in the morning and one in the evening) which is of 1 % hour duration. The program was conducted on google-meet platform. After the completion of each session the attendance and feedback forms are shared in the chat box. The detailed report of each session is given below.

02-11-2020

Session-1

Time: 11:30 AM to 01:10 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(1&1), CBIT, (Ex ED, CTM, BHEL)

Topic: Introduction to Electric Mobility, Policy and Guidelines, Trends and Challenges

The session started with drivers for electric mobility, present scenario & challenges, govt initiatives and forecast, types of EVs, HEVs and their components, fuel cell EV, charging infrastructure and technology, strategy for R&D and manufacturing and opportunities. Then he discussed about electric vehicle components of pure electric vehicle with front wheel drive, back wheel drive and four-wheel drive. He also explained about rechargeable battery electric vehicle. Sir shown a statistic of usage of cars in all over the world along with Indian EV market growth in 2020.

02-11-2020

Session-2

Time: 02:30PM to 04:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Permanent Magnet Motor Drives for Electric Mobility

In this session, the design aspects, advantages, classification and applications of the permanent magnet machines are discussed. The performance requirement of electric vehicle in terms of torque density, power density speed range, efficiency, hill climbing, intermittent overload capacity, overtaking, reliability, robustness, low acoustic noise and reasonable cost are discussed. Sir shown different pictures of permanent magnets, precision thin material, flexible magnets and the comparison between various magnets are discussed. Domain movement during magnetization, magnetizer and critical points for permanent magnet generators are deliberated.

03-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: Hybrid Electric Vehicle, Series/Parallel Hybrid, Plug-in Hybrid Vehicle

Session started with the basic components of Power electronics, Significance of Static switches, PI control gains in the design of power converters, Importance of IGBT in the medium voltage high current applications, Intelligent power modules, Latest materials used in power devices like Silicon carbide, Gallium Arsenide, Thin Film, Superconductors etc. then presented the types of electric vehicles, Basic design aspect of converters like Importance of technical specifications, Application standards, selection of semiconductor device, EMI/EMC standards, DC link capacitor. The continued with Scalar & vector control of induction motor.

## Report on ARCTE Sponsored STYF on "TRENIDS & CHAILENGES OF HYRRID FEEL TRIC DRIVE HTB ITHS By TRANSPORT SECTOR during 67" 67" towershoe 2016.

03-13-2020

Savainn-1

Time: 02:30 PM to 04:00 PM

Specifier Dr. F. Salish Kumar, Associate Professor, Dept. of EEE, Osmania University

Topic: Advances in PWM techniques for Inverters

The resource person has given overview of Space-Vector pulse width modulation-based algorithm for multilevel inverters. He explained different pulse width modulation techniques used for multilievel inverters, the started with conventional two level inverter operation and he focussed on detailed explanation of space-vector pulse width modulation technique. He has shown the comparison between two level and three level inverters in various parameters.

04-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic Electric Hybrid Vehicle Mechanics, Modelling and Performance Calculation

The session started with a description on series and parallel electric vehicle and regenerative breaking in electric vehicles, and the comparison of ICO and payback for electric vs diesel buses. The variation of braking with respect to deceleration rate has explained. The concept of rolling resistance and grading resistance of road has been discussed for different types of roads. The torque development of the motor with respect to different surfaces is explained. Later, he discussed about aero dynamics concept of wind pressure on vehicle. How the rolling resistance varies with the speed of the vehicle has shown in the graph.

04-11-2020

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. Krishna Vasudevan, Professor, IIT Chennal

Topic: Design and Analysis of Power Converters for Electric Vehicles

Sirstarted the session with steps involved for designing an inverter. He explained the selection procedure for power device based on current rating and power loss. Heat sink design considerations explained for inverter. Then he differentiated between diode voltage drop and IGBT voltage drop during selection of power device. The design of DC bus with a decoupling capacitor has been discussed. He also given detailed description about gate driver circuits by considering dead time and its effects.

05-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Dr. O. Chandrasekhar, Associate Professor, Dept. of EE, NIT-Srinagar

Topic:Power Converters for Hybrid Electric Vehicle

In this lecture, sir has given a detailed explanation of converter regarding objective, applications, IEC standards, general representation of converters. He compared various topologies implemented and available for converters and implementation of IB3 converter. For a given duty cycle what is a simulated voltage and what is a theoretical voltage also been explained. Then the same voltages have observed with different duty cycle. He has shown graphical explanation of power factor, efficiency and ripple content with respect to duty cycle variation. He also discussed the total



Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR"during 02" - 07"November 2020

harmonic distortion by varying the voltage from 90 volts to 260 volts, and load with different impedances, for a proposed topology.

05-11-2020

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. V.T. Soma Sekhar, Professor, Dept. of EE, NIT-Warangal

Topic: Open-end winding Induction Motor Drives

This session started with two level inverter concepts. The switches toggling, current waveform and voltage waveform has been explained with wave shape and it is non sinusoidal. Then he discussed the drawback of non-sinusoidal voltage given to induction motor. And sir discussed about pole voltage, motor phase voltage and common mode voltage with calculation of motor phase voltage with remaining two voltages. Sir has given detailed description of switching states and null states of two level inverter with total harmonic harmonic spectra with modulation and without modulation. He said how to get three level from two level inverter using space vector modulation. Then neutral point clamped and cascaded inverter concepts have been explained. He focussed on open end winding induction motor with isolated DC source. How to reduce the effect of zero sequence currents also been discussed.

06-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Mr. Manoj Desai, General Manager, ARAI

Topic: Testing and Certification

This session is on testing and certification of electric vehicles. Sir has explained why the standards are required and salient features of electric vehicle. The regulation frame work and the rules followed by vehicle certification of less than 250 watts rating. Also discussed about type approval testing with verification, safety and performance. Then the battery management systems and their performance has been discussed. He focussed on ARAI approaches such as AIS 038 for M and N vehicles, AIS 156 high category vehicle. Described about the AIS 157 and 168 for fuel cell and agricultural. The classification and standards for battery charging stations also depicted. The phase-2 of FAME scheme implemented by govt of India is also been discussed.

06-11-2020

D

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. Venugopal, Ex- ISRO official.

Topic: High Energy Batteries and Performance

Started with definition of battery and its specifications like energy density, power density and safety. Classification of batteries based on active materials, electrolytes, and case materials etc. And then he discussed about various materials used for anode, cathode, separator and electrolyte etc. He quoted about evolving process of Lithium manganese aluminium oxides in the battery technology. Sir has focussed more on progress of Lithium ion, silicon anode and try electrode. Then he discussed about electric vehicle battery pack design trade off. He quoted about aerodynamics and electric vehicles in the city limits. National Automotive testing R&D infrastructure project is also been discussed. Sir explained about battery swapping also.

# Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR"during 02°d - 07°November 2029

07-11-2020

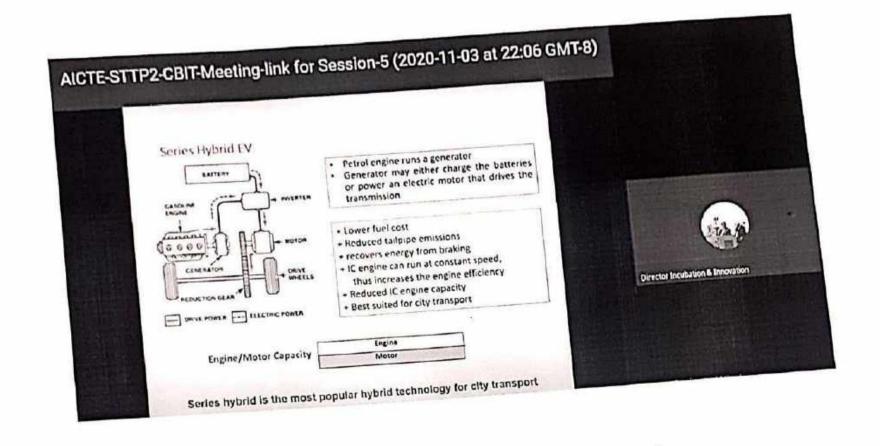
Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd.

Topic: Electric Vehicle for Transport Application

The vehicles landscape in India is introduced by the resource person. Discussed about EVs, BEVs, ZEVs & BOU etc., electric vehicles viabilities like charging infrastructure, increased efficiency, reduction of cost and policies related to motor drive technology. He more focused on innovation, life cycle, project management. Then continued with the products developed for various applications like EVs in golf-carts, vehicles for cleaning of solar panels, e-ambulances in hospitals, missile carriers in defence sector, vehicles for vigilance & security, forest & tourism, public health and sanitation by Tejaswi GreenEngg. Pvt. Ltd.



# AICTE - Sponsored Short Term Training Program (STTP-Phase-2) On TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR 02<sup>nd</sup> - 07<sup>th</sup>November 2020

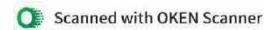
## List of participants shortlisted for Certificates

PDF No.	Participant Name (which you want to be printed on the cartificate)	Registered Email	Name of the College/Industry
2	S Manohar Reddy	sayri.menohar@gmail.com	S Manchar Reddy
3	Yassar Arfat	yassar@bgsbu.ac.in	Department Electrical Engineering ScET 8/368 University Rajouri J&K UT India
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5	Dr. K.MUTHU	mkrithivasan283@gmail.com	Institute of Chemical Technology, Taramani, Chemia 113
6	Dr.P.MARISH KUMAR	p.marishkumar@gmail.com	EASWARI ENGINEERING COLLEGE
7	SRINU BHUKYA	srinu.bhukya@gmail.com	OSMANIA UNIVERSITY
8	SUDHIR KUMAR SHARMA	sudhirs390@gmail.com	SLIET LONGOWAL
9	ABHAS KUMAR SINGH	abhasnitn@gmail.com	IEEE (MEMBER)
10	Amar Nath sah	amar@nii.ac.in	National Institute of Immunology
11	ENUMULA MANOJ	enumulamanoj@gmail.com	Jayamukni Institute of Technological Sciences
12	Madgula Satyanarayana	m.satyaa78@gmail.com	Jayamukhi institute of technological sciences
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23	RASMIRANJAN SAMAL	rasmiranjan.samal@silicon.ac.in	SILICON INSTITUTE OF TECHNOLOGY SAMBALPUR

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26	P Lakshmi Supriya	plsupriya18@gmail.com	Mahatma Gandhi Institute of Technology
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28	KOLA SURESH KUMAR	kolasuresh18@gmail.coom	ANURAG COLLEGE OF ENGINEERING
29	DASYAM SUSHMA	shushmamarun@gmail.com	RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (IIIT),BASAR
30	Elisha Undeti	elisha27u@gmail.com	Vasavi College of Engineering
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33	Mrs.N.PRIYA	priya.n@eec.srmrmp.edu.in	EASWARI ENGINEERING COLLEGE
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48	S.KARKUZHALI	skarkuzhali.eee@rmd.ac.in	R.M.D. ENGINEERING COLLEGE

Coordinators

Head of the Department, EEE, CBIT(A)



# LABORATORY **EXPERIMENTS ANALYSIS** FOR REINFORCEMENT OF NEXUS (NON TEACHING)

## CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY [Autonomous]

ABOUT THE COLLEGE-CBIT is one of the premier Engineering Institutes in INDIA, pioneer in Telangana state which is at idyllic surroundings of GandipelLake, Hyderabad. The college offers Nine UG and Eleven PG programs. It has been standing as a temple of knowledge for the past 39 years by producing about 21,000 e mine nt and skilful graduate engineers, who are successful in their careers, serving all over the world. It was acceredated many times by NBA-AICTE and NAAC-UGC. UGC has granted autonomous status to this Institute from the academic year 2013-14 enwards. The grants received from AICTE/UGC are worth about Rs. 2.5 crores. Brilliant and mentorious candidate s with good EAMC ET rank are seeking admission. CBIT students are grabbing the opportunity of entering into MNCs through college placement cell.

ABOUT LEARN Programula technical education, practical training and developing expertise in application of theoretical knowledge has a great importance. The key role of the technical staff in supporting the process of transformation of technical skills among students is commendable / significant. It is the technical supporting staff, who has a more direct bearing on the quality of education. At present, there is short provision for training & development of technical staff under quality improvement programme. With change in the instructional and developmental processes and the utilization of more sophisticated and delicate instruments and equipment, the need to train and develop this category of staff is being felt acutely. To meet diverse requirements and challenges in the profession, technical staff must be provided facilities to his continuous education and for acquiring new competencies. No attempt at quality improvement would be complete without giving due attention to this category of staff

#### OBJECTIVES OF LEARN Program:

- To enlighten qualities of the Instructor
- → To enhance the fundamental concepts in Electrical & Electronics Enga.
- $\neg$  To touch upon the trouble shooting aspect of day-to-day lab work
- To amplify the computation skills



## Schedule of the program:

18-01-2021 to 30-01-2021: Laboratory Instructions

#### CHIEF PATRON:

Dr.G.P.Saradhi Varma Principal CBIT

#### CONVENER:

Dr.G.Suresh Babu Head . Dept of EEE

#### COORDINATOR:

Dr.N.Vasantha Gowri
Assistant Professor, Dept of EEE

#### CONTACT INFORMATION

Department of EEE

Chaitanya Bharathi Institute of Technology Chaitanya Bharathi (P.O), Gandipet, Hyderabad - 500 075. E-mail: vasanthagowri\_eee@cbit.ac.in Mobile: 9052221446

#### ORGANIZING COMMITTEE:

All teaching, technical staff of EEE department

The true laboratory is the mind, where behind illusions we uncover the laws of truth.

Jagadish Chandra Bose





Department of Electrical & Electronics Engineering

Laboratory Experiment Analysis for Reinforcement of Nexus

LEARN

18thto 30th January 2021

Skill Development Program for Technical Staff

Chaitanya Bharathi Institute of Technology (Autonomous)

Kokapet(Village), Gandipet, Hyderabad-500075,Telangana, www.cbit.ac.in ISO 9001:2015 Certified Institute





## Chaitanya Bharathi Institute of Technology (Autonomous)

## Department of Electrical Electronics Engineering Laboratory Experiment Analysisfor Reinforcement of Nexus

[LEARN] 18<sup>th</sup> to 30<sup>th</sup> January 2021

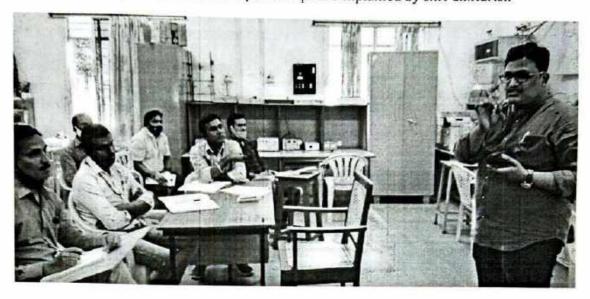
## Report of the program

This program was commenced on 18-1-2021 by Dr.G.Suresh Babu and Head of EEE department and Dr.N.Vsantha Gowri, Co-ordinatorof the program. Day wise happenings of the program is given below.

- Basics of semiconductor devices are explained by Dr. T. Muralikrishna Assoc prof, EEE
- Basic and universal logic gates and Boolean equations are discussed by Shri Ch.HarishAsst prof, EEE



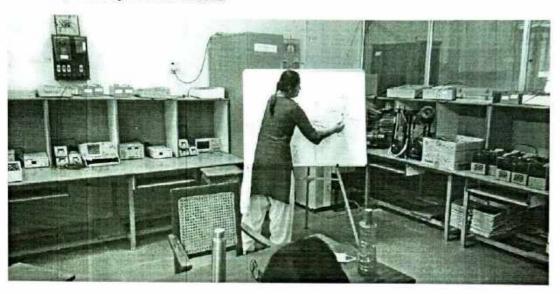
- > Logic gates and Boolean equations are practiced on hardware kits by technical staff
- > Half adder, Full adder and 2 input k-maps are explained by shri Ch.Harish



- SCR Characteristics are practiced on hardware kit by technical staff
- Effect of doping level on switching devices and comparison of different switching devices discussed by Dr.T.Muralikrishna



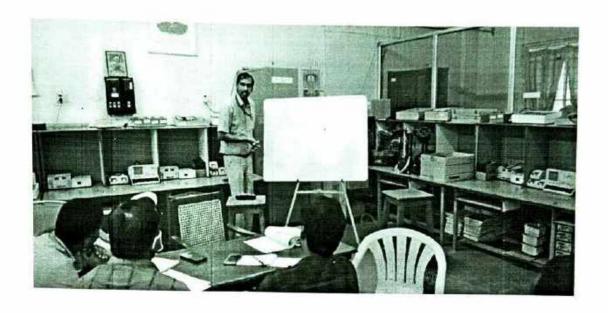
- Commutation circuits and effect of inductive load on SCR are discussed by Dr.T.Muralikrishna
- Forward and reverse bias characteristics of P-N diode and Zener diode are explained by Dr.P.Kowstubha



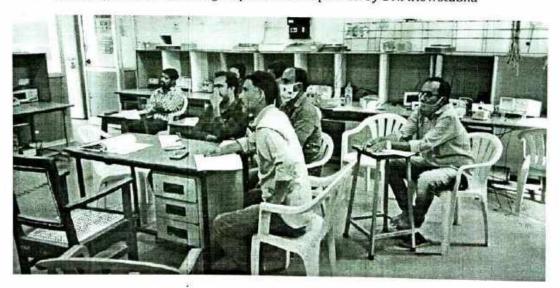
- > Diode characteristics practiced on bread board by technical staff
- > BJT Input and output characteristics are explained by Dr.P.Kowstubha



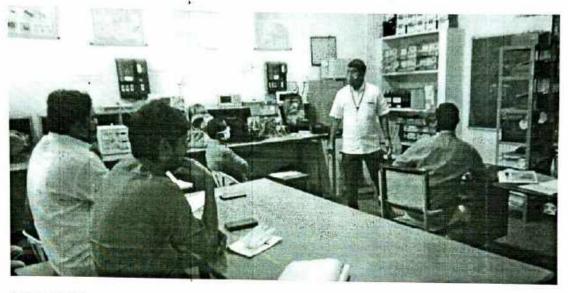
- > Difference between open loop and closed loop systems is discussed by shri D.Harsha
- > Effect of P,PI& PID on temperature controller is explained by shri D.Harsha



- Op Amp working principle and voltage follower are discussed by Dr. P.Kowstubha
- Inverting and non-inverting amplifiers are explained by Dr.P.Kowstubha



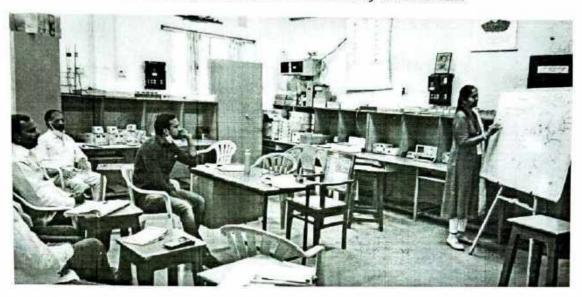
- Class A and Class B commutation circuits are explained by Dr.T.Muralikrishna
- Gate triggering circuits are practiced on hardware kits by technical staff



- > Introduction to solar PVTR and solar emulator is given by Dr.G.Suresh Babu
- Fixed mode, Table mode and Simulation mode operation of solar emulator is explained by shri. Sai varun.

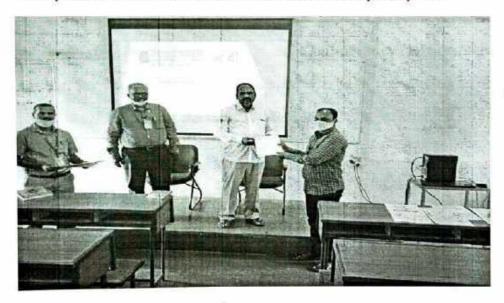


- Inverting and non-inverting amplifiers are practiced on bread board by technical staff
- Commutation circuits practiced on hardware kits by technical staff



#### 30-01-2021:

Valedictory&Certificate distribution for the participants has been conducted. Principal Dr.GPS Varma distributed the certificates to the participants.



## DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K Makela

DAY & DATE: 18 10 7014

slots	Scheduled	Practically happened	Remarks
10AM11AM	See chaunderide	Semi connectory	
11.30-12.30PM	Gate triggering		4
1.30 - 2.30 PM	The second secon		
3.00-4.00 PM	Cycle conventer	Ecclesia Language	-

## Inference of today's sessions: (take away)

1. Simiconductor characteristics casics

2. Letching and holding coments of sch 3. Bosic gates are Learned.

Signatures	1	×/	/
W.J.			
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S. Similar

DAY & DATE: 18.01 - 20%

slots	Scheduled	Practically happened	Remarks
10AM11AM	PC lab	- P49	
11.30-12.30PM	PEleb	SCR-Charadesple	(
1.30 - 2.30 PM	De lab		-
3.00-4.00 PM	DE lesh		

## Inference of today's sessions: (take away)

1. I got little brit idea about signiful electricaire lab (Bren's logic Gatel Surgerel Grides)

3.

Participant Resource Person Lab Incharge Coordinator-LEARN

## DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Mahe shwar

DAY & DATE: 18-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	P.E. Lab	SCRCharelt	
11.30-12.30PM	PE Lab	SCRCHIESTY	
1.30 - 2.30 PM	D.E Lab		
3.00-4.00 PM	D.E . Lab		

## Inference of today's sessions: (take away)

1. How to Connet easy way scr. circut diagram.
2. Latching and tolding Current

3. Banic Logic gotes

Signatures	$\lambda$		
B. Malens			
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venermadhavachay

DAY & DATE: 18 01 2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	PELAB		
11.30-12.30PM	PELAD	SCR-Characterfity	
1.30 - 2.30 PM	DE CAR		
3.00-4.00 PM	DELAN		

- 1. I learned power Gleebone's components
- 2. Basic & Universal gotes learned
- 3. Doclean laws are Orginal.

Signatures		N -/	\ /
Participant	Resource	Lab Incharge	Coordinator-
(.55)	Person		LEARN

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KISHORE- M

DAY & DATE: MONDAY & 18/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	PE lab (see chared)	PE clay brivalution	
11.30-12.30PM	pe lab (Gate charges)	The second secon	
1.30 - 2.30 PM	PE Lab Cox voltage com		
3.00-4.00 PM	FE tab (cucle converted	DE Gaty Houts table	

- 1. Studied about semiconductor physics and also studied wout conduction of diode, charecteristics.
- 2. In abternoon severan, studied about different types of logic geter and simplification with k-maps (two).
- 3. Studied about boolean laws.

Signatures	1		· /
(B)	Resource	Lab Incharge	Coordinator-
Participant	Person		LEARN

## DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KPISHNAMA CHARY

DAY & DATE: MONDAY 18-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	S.C.R. Chalacteril	Serie conductor conferce	
11.30-12.30PM	Gate In garing	S.C. R. Cherich sto	J
1.30 - 2.30 PM	A.C Voltage Contra	SIC RChallethis Phic	
3.00-4.00 PM	cy do Converter.	Basic Gates.	

- 1. Semiconductor charactershicy Botics,
- 2. Latching and holding County of ser 3. Basic Gates are learned.

Signatures	D		/
Participant	Resource	Lab Incharge	Coordinator-
. u. u.o.p	Person		LEARN

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. 3 va Rama krishna

DAY & DATE: 18-01-2021 (MON DAY)

slots	Scheduled	Practically happened	Remarks
10AM11AM	3ce characteri	semi conductor	
11.30-12.30PM	cate trigacting	see characteristics	
1.30 - 2.30 PM	Ac voltage control	Basic & universal	
3.00-4.00 PM	cyclo converter	Bookean exertaws.	

- 1. Busies of power Electronics but components learned.
- 2. Disterence between basic & universal gates learned.
- 3. Boolean laws are explained.

Signatures	13		
Davidinant	Resource	Lab Incharge	Coordinator-
Participant	Person	Lab Inchai ge	LEARN

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Yadar ah

DAY & DATE: 18 01 2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	P.E-Lab	Sums conducte	2
11.30-12.30PM	5-C.P. 2-G	DA BER ahum	4555
1.30 - 2.30 PM	D.E. Lab	D/ D/	enal
3.00-4.00 PM	D. E - Lat	gortus	

## Inference of today's sessions: (take away)

- 1. P. E Lab Basez of power Electronics
- 2. Difference toetween basic kunivere algates
- 3. S.C. R. REGIET Experiment Learners (P.E)

Signatures
Participant Resource Lab Incharge Coordinator-LEARN

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. 3iva Rama krishna

DAY & DATE: 19-01-2021, Tuesday

slots	50	happened	Remarks
10AM11AM	Demorgans theore	Logic gate proctica	
11.30-12.30PM	Marchine 1 suchtack	Roolean Equation M	
1.30 - 2.30 PM	K. MODE MUX. DE-MI	HOLE HIGHER SUBTRICK	_
3.00-4.00 PM	encoder & De codes	full Adder & subta	

## Inference of today's sessions: (take away)

- 1. Min terms & max terms learned.
- 2. K-maps practiced tox 3 impuls.
- 3. Ad Equations derived from K-naps.

Participant Resource Lab Incharge Coordinator-LEARN

# DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

## Name of the participant:

DAY & DATE: 19 -01 - 2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	De-lab	Introdution a	sals.
11.30-12.30PM	DE-lab	KASGLOSKALL (	Spes
1.30 - 2.30 PM	DE-1015	Full nobles & Ho	16
3.00-4.00 PM	DE-lab	Full & hall Can	

## Inference of today's sessions: (take away)

1. psacticised logicall Gates on kits

2. Leavining Full Addes & Halt Addes & Sent

3. Full subtrator & Halt subtratos.

Participant	Resource Person	Lab Incharge	Coordinator- LEARN
ast.	Colored .		
Signatures	11 . 1	/	/

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: Kinallesho

DAY & DATE: 19 01 2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	DE Monder	Testing of kit sele	
11.30-12.30PM	DELAS	Testernos Estant	1
1.30 - 2.30 PM	DR LENS	Half added Syb	
3.00-4.00 PM	DE Lab.	Fall address subth	

## Inference of today's sessions: (take away)

1. K-mops practiced for 3 inputs

2. Kits testing of gates and gate or gate, noisable now gate on kits practicing.

3.

Signatures

Lab Incharge	Coordinator- LEARN
	Lab Incharge

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KASHOLE M

DAY & DATE: 19/01/2021, TUES DAY.

slots	Scheduled -	Practically happened	Remarks
10AM11AM	DELAS - DEMORGANIS	PROCEEDE WIND 14	
11.30-12.30PM	DE LAB- SUBVACHON	Practice with tit	
1.30 - 2.30 PM	DE LAR- K-MAPS	DE LAR-FMARS.	
3.00-4.00 PM	THE LAD - Enloder, Deco	TODARI SUBTRACTORS.	

## Inference of today's sessions: (take away)

- 1. Practiced all the gates on the tit
- 2. I studied about K-MAPS
- 3. studied about retains & subjectors.

Signatures

O'B'''	7 0		1/
Participant	Resource	Lab Incharge	Coordinator
	Person		LEARN

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venermoolhavachary

DAY & DATE:

Tuesday- 19/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	DELAG-Demis	practice with Kill	
11.30-12.30PM	DE LAIS Addays	practice with bit	
1.30 - 2.30 PM		DE CAN- 1- MORE	
3.00-4.00 PM		Add my Subtracte	

## Inference of today's sessions: (take away)

- 1. practiced all the gates on to bits
- 2. I studied about 12-MACH
- 3. Studied about Adders & Subtractory

Participant Resource Lab Incharge Coordinator-LEARN

## DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwash

DAY & DATE:

19-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Practic DE	gractice of	
11.30-12.30PM	Practic DE	DE. Lab	
1.30 - 2.30 PM	The work DE	tratt adder	
3.00-4.00 PM	Theronger	Fulloady	

Inference of today's sessions: (take away)

- 1.
- Practic of Logic gates verity the touth table 2.

3.

Signatures

	- July		1 2
Participant	Resource Person	Lab Incharge	Coordinator-
		19	LEARN

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A KRISHNAMA CHARY

DAY & DATE: TUESDAY 19-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Demorgany theosom	testing of kit Gales	
11.30-12.30PM	Address Substractors	testing of participating	
1.30 - 2.30 PM	12-may, mux docum	Mr Holyh Sartekn	
3.00-4.00 PM	encoder de coders	Classifightnaps subs	Voder .

## Inference of today's sessions: (take away)

1. Kits Lessing of gates. AND take or Gok, NOT Gale NAND Gale. DN Icity. procticing.

2.

3.

Signatures

8	9 0	· · · · · · · · · · · · · · · · · · ·	* * *
Ajou	Calut	N.	-
Participant	Resource Person	Lab Incharge	Coordinator- LEARN
	LCISON		

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S. Sahives

DAY & DATE: 20-01-21 (web)

slots	Scheduled	Practically happened	Remarks
10AM11AM	commutation cuts	Chappers	
11.30-12.30PM	chopper ckts		
1.30 - 2.30 PM	Halt controlled co	a Drodf 1	_
3.00-4.00 PM	Fully converte		

## Inference of today's sessions: (take away)

1. I learned valuable information
about irransister's tamily and SCR
2. Charateerets from Dr. T. murali bridge.
3.

Participant Resource Person Lab Incharge Coordinator-LEARN

## DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. Maleska

Name of the par		Wednes day	>
DAY & DATE:	20/10/2021		
slots	Scheduled	Practically happened	Remarks
IOAM11AM	Commutation C	KH SCR Characks	istic
11.30-12.30PM		E ( ( net . of 000)	water
1.30 - 2.30 PM		very switching de	March Dense
3.00-4.00 PM	Fully convex	ter combanities	LONG THURSTON

Inference of today's sessions: (take away)

1. Effect of doping level on Fronsisters learned

2. characteristics of SCR, 1577 Lusseet, Pari, diseased.

3.

Signatures	Ordo		1
Participant	Resource	Lab Incharge	Coordinator- LEARN
	Person		

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maneshwar

DAY & DATE: WENDSDAY & 20-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Commutation (Kh	The rost Porch	
11.30-12.30PM	Transisters		
1.30 - 2.30 PM	SCR. BIT	"	
3.00-4.00 PM	Choppers	1/	

Inference of today's sessions: (take away)

good Knolwege of diotes

Transisters. types of toansisters

Conduction of Forward and Revente

Blocking 2.

3.

	All roles	-0	
B. Mahem). Participant	Resource Person	Lab Incharge	Coordinator- LEARN

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KASHORE M

DAY & DATE: WEDNELDAY , 20 01 21

slots	Scheduled	Practically happened	Remarks
10AM11AM	commutation (tt	commutation (the)	
11.30-12.30PM	Chopper circula	Suithing steve q	
1.30 - 2.30 PM	talk controlled be	that inhalted fect	
3.00-4.00 PM	Full convoled lea	Tully con Miled Red;	

## Inference of today's sessions: (take away)

- 1. Studied about six irranulator and 11's charecteristics.
- 2. Studied about that commed and tully controlled
- 3. Differency between BJT, most E and EGBT.

Participant Resource Lab Incharge Coordinator-LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. venu Madhava chary

DAY & DATE: Wednesday & 20-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	commutation	ell see charect	eux.
11.30-12.30PM	Chopper cuts	Elfect of Dos	pinglevel
1.30 - 2.30 PM	Half controlle	1 switching	Devices
3.00-4.00 PM	fully controll	el comporision	of MOSFE, EGBT, BOT

## Inference of today's sessions: (take away)

1. Dicase to transter IGIDT MOSFFT

Theory class basics and about

2. triggenings concerts and Hymram its

3. layear Howto it contented.

Rovere and forward blocking mede

Signatures

Participant Resource Lab Incharge Coordinator-LEARN

### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A KRISH NAMA CHARY

DAY & DATE: WEDNUSDAY 20-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	commutationce	8 Theoly class.	
11.30-12.30PM	chopper ckts	gaingon with	
1.30 - 2.30 PM	Half controlled co	mon murali lossing	
3.00-4.00 PM	Fully converte	Sir with subject	41

## Inference of today's sessions: (take away)

1. Dicole of that Hord Eth BT MOSFRT.

Theory Chass bosins and about

2. triggenty concuts and thy mistors and its

Layers How to its Connected we learned.

Layers How to its Connected we learned.

Rowage and forward blocking Made.

Participant Resource Lab Incharge Coordinator-LEARN

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. Siva Ramakrishno.

DAY & DATE: 20-01-2021 a Wednes doing

slots	Scheduled	Practically happened	Remarks
10AM11AM	commutation ext	see characteristic	4
11.30-12.30PM	chopper cxts	Effect of Doping le	
1.30 - 2.30 PM	Half controlled com	wavitching device	INT PET
3.00-4.00 PM	fully converter	Compasision mosfer, I	ישליטי

# Inference of today's sessions: (take away)

- Effect of doping level on Transistan learned.
- 2. Characteristics of SCR, BJT, moster, IQBT diskused
- 3. Applications of switching devices.

Signatures	$\Omega = 0$		19
Participant	Resource	Lab Incharge	Coordinator- LEARN
	Person		Kd=_0-

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Yadwah

DAY & DATE:

20/01/2021 - Worlday

slots	Scheduled	Practically happened	Remarks
10AM11AM	commitatio	motifis a	charatestex
11.30-12.30PM	Choppe C	NT E fact of	Dobbind
1.30 - 2.30 PM	11 11 0 100	1000 Jul 310	itching forvers
3.00-4.00 PM	Folly Con	verter - compres	coin mospet, EMBI

## Inference of today's sessions: (take away)

- 1. Effect of doping Level on Toonerion Levend
- 2. Churstartices of Sec. 1879, Morpetr, Rass Leavend
  3. Applications of Switching devicus

Signatur	150/50	-	1 9
Participant	Resource	Lab Incharge	Coordinator- LEARN
	Person	1 80	1

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheehwax

DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Lateh & Flip-Flor	commutation	19-
11.30-12.30PM	SR - JK Elip - Flops		
1.30 - 2.30 PM	DET Flip-Flogs	P-n biode char	acteristis
3.00-4.00 PM	Shift Revister	zener Diode w	Itage regulator

## Inference of today's sessions: (take away)

- SCR Chareestics.
- 2. Latching and holding Current
  3. diode forward and reversebiated.

Signatures

B. Mahen	Minister		TA
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

P. howstuhl

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: M. Kishore

DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Latch & Flip-F	los commutatio	ned.
11.30-12.30PM	BREJK Flip-Fl	oes Ringing cut	1
1.30 - 2.30 PM	DAT Flip-clo	of D-N pinde Cho	aracleristics.
3.00-4.00 PM	shirt registe	ex zener diodo	a noltade redalat

## Inference of today's sessions: (take away)

- 1. Studied about line commutation and forced commutation.
- 2. Ringining circult (01) Tank croust.
- 3. PN junction docte and 91's charecteristis and also studied autili Zener diode.

Signatures

Collas	Mizle		1 2
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

Phonatore Promoter

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S. Skinivos.

DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Latch & Flip	stor commutatio	meth
11.30-12.30PM	as s Tr plips	elon Ringing CEL	12
1.30 - 2.30 PM	-111	od o al Ninde Cl	NO CLEDIUL
3.00-4.00 PM	shift Regis	terzener diod	e voltage regulati

Inference of today's sessions: (take away)

I studied SER characteristis & 1. appliestion's

3.

2.

Signatures

Coordinator-Lab Incharge Resource **Participant** LEARN Person

Pleaster Pleastall

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Yadaiah

DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Lotek e Flip-Flor	Commutatione	45
11.30-12.30PM	38-3x Flip-Flow		
1.30 - 2.30 PM		spin piche cha	anotexistics.
3.00-4.00 PM		zenez piode v	

## Inference of today's sessions: (take away)

- 1. =-C.P. Laching Current Largary
  2. S.C.R. Holding Current Largary
  & R. SN diode lasgan
- 3. Zero drode & drade Laskan

### Signatures

184 P	Afrizher-		TA
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

Phowster Phowstere

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. Mallesha

DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Latch & Flip-Flors	commutation	822
11.30-12.30PM	THE THE FLOOR	Pinning CKH	
1.30 - 2.30 PM	Non -l'a pleas	D. W. Diode Chas	octevistics.
3.00-4.00 PM	shift registers	zener Diode Ch	TALL STATE

Inference of today's sessions: (take away)

1. I leavined Lastching current and
Holdery current in SCR

Holdery current in SCR

2. I studied Zenov, diade characterstics

3.

Signatures Coordinator-Lab Incharge Resource **Participant** LEARN Person Pleadate Pleadable

### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venumadhavo Chary

DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Latch & Alp-Flor	commutationer	15
11.30-12.30PM	SR-JK Flip-Flops	einging cuts	
1.30 - 2.30 PM		P-M niche Chara	teristia
3.00-4.00 PM	3 hist Registers	zener blode vol	par regulator

## Inference of today's sessions: (take away)

- 1. Effect of inductive load one SER
- 2. voltage le convent directions in LBC elements
- 3. Regulation of Voltage welng Zoner Blode.

**Signatures** 

GOOV	Minzle	-1 -1010-1011-	1 1
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

P. Kowstable Pleastuby

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. Sivo Rama Krishna

DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Latch & Flip-Flops	commutation cxt	
11.30-12.30PM	SR-JK Flip-Flops.		
1.30 - 2.30 PM	DET Flip-Flops	1	p Him
3.00-4.00 PM	Shift registers	Zener diode volte	

#### Inference of today's sessions: (take away)

- 1. Effect of inductive load on ser in
- 2. Voltage & current directions in LCC elements.
- 3. Regulation of voltage using zener diode.

Participant	Resource Person	Lab Incharge	Coordinator- LEARN
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## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. Krishnama chary

DAY & DATE: Thursday a 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Later & Flier	lon commutatio	D CN2
11.30-12.30PM	28-JK Flip-Flo	es Ringing ckt	1.
1.30 - 2.30 PM	ne = -1:0-510	or o-N. Dide c	Lavoctenstia
3.00-4.00 PM	Shitz Registe	& Zener Diodo	od voltage regul

## Inference of today's sessions: (take away)

- 1. Commutation circuty how to off the S.C. R with. capacity and blocking model and face and blocking model and face and blocking model
- 2. D) ode and Zeonel Charedin stice ..

3.

Signatures

Dicey	Afrile		
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

P. howstudy P. Kourstuhe

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. Siva Rawa Krishna

DAY & DATE: Friday & 22-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	solar pure	Transistor Char	equistics Theory
11.30-12.30PM	00	Transister Am	olifier. Theory
1.30 - 2.30 PM	Synchronousco	wh CE characte	vistia prochical
3.00-4.00 PM	Asynchronau sa		er Practical

# Inference of today's sessions: (take away)

- 1. Property of registance of transistor
  varies with respect to base curred
- 2. applied.

3.

		NI NI	
Participant	Resource		Coordinator- LEARN
	Person		

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S. Sorios

22-01-2021 DAY & DATE:

Remarks Practically Scheduled slots happened piccle-zenes 10AM--11AM Diode Especimul 11.30-12.30PM Transistory Bas Sy. countous 1.30 - 2.30 PM BAT, Auglitica

Inference of today's sessions: (take away)

- 1. Drode Experiment tormed & Rever broads
- 2. BIT, Input & of p characteristics.

3.

3.00-4.00 PM

Signatures Phonograph Coordinator-Lab Incharge Resource **Participant** LEARN Person

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Yadarah

DAY & DATE: - 22 01/2021

slots	Scheduled 7-198 Studyal Schar	Practically happened	Remarks
10AM11AM	Study adp.v	Zenovo - Drade	
11.30-12.30PM	Experiment	Drode Experme	· -
1.30 - 2.30 PM	Syconous Conva	toral January as 1	Achuretosticare
3.00-4.00 PM	Siconemouse	proventer FRITC	heretoricetics

# Inference of today's sessions: (take away)

1. diode Exporment Fromerod drode & Revener drocke.

2. Afternoon BJA Characterroedic Leavened

3.

184 har	P. Lexistatoly	P-howstruk	9
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNAMA CHARY

DAY & DATE: FRI.DAY 22-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Study of solar PUTR	Diodeand zerral	
11.30-12.30PM	Study of solal PUTR		
1.30 - 2.30 PM		Transister BJ+ Charac	holy prophifiel
3.00-4.00 PM		B)+ Chalechirthics	

#### Inference of today's sessions: (take away)

- 1. diode Repained forward and Runge big done.
  2. After room Bit Chambership Leatined.

3.

Ajay	P. Kowskuply	Phowhele	
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venumadhavachang

DAY & DATE: Friday 22/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Solar puta	Trasistovcherod	wither theory
11.30-12.30PM	Solar PUTA	Traisty Amplihie	A STATE OF THE PARTY OF THE PAR
1.30 - 2.30 PM		- Co Character	A TANAMAT TO STANDARD THE PARTY OF THE PARTY
3.00-4.00 PM		where Ampullifi	

#### Inference of today's sessions: (take away)

1. property of resistance of trasister varies with respect to base current applied.

3.

ROW	Phonopole	P. howkleste	
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant:

DAY & DATE: Friday & 22/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Solar prTr	Tran sistor charectus	by Theory
11.30-12.30PM	Solar DUTA	Fransislav Amplifion	Prency
1.30 - 2.30 PM	Sanch tomous comple	y CE characterist	to proctice
3.00-4.00 PM	A Sunchronous Cour	AS CE Amplifre	proctical

# Inference of today's sessions: (take away)

1. Property of resistance of Transistor
varies with respect to base current applied

2.

3.

Dh whilely	Planathere	
Resource	Lab Incharge	Coordinator- LEARN
		I - la Imphango

## DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwas

DAY & DATE: FRIDAY 22-01-21

slots	Scheduled	Practically happened	Remarks
10AM11AM	Study of PVA	Diode	
11.30-12.30PM	study of PVK	Diodeexp	
1.30 - 2.30 PM	Sychronis	Tramistes	
3.00-4.00 PM	Asychony	B57	

## Inference of today's sessions: (take away)

- charecetics of diode.
- 2. Chracetics of Transistes.
- Forward Chareterastic and Revenchouse 3.

B. Mahree	> blincakule	P. Nowstuh	· 01
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KisHolt M

DAY & DATE: FRIDAY , 22/01/2021

slots	Scheduled	happened	Remarks
10AM11AM	solar put Cotudy	prode characteritis	
11.30-12.30PM	solar pure (chocu	Remer charle Charely	
1.30 - 2.30 PM	simphonous counter	Transista Charges	
3.00-4.00 PM	Asunctionay Counter	employer denoting	

# Inference of today's sessions: (take away)

1. in the morning we did diode (FH juntion) characteristics

prookcally

2. In abturnoon studied a Lout Francister characteristics

and amplification

3. If did enjurement partially i.e, grangester characterities

0.1	The west	Dhaw Stub	
Participant	Resource	Lab Incharge	Coordinator- LEARN
	Person	1	

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. Siva Ramakrishna

DAY & DATE: Saturday & 23-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	riveca = 43 fem	Time response, tox	
11.30-12.30PM		P.P.I. P.E.D. & DC hox	
1.30 - 2.30 PM	magnetic Amelia	CANAL TO THE PARTY OF THE PARTY	es.
3.00-4.00 PM	P, P19, P19	P:PT.PTD CONTE	Mac.

## Inference of today's sessions: (take away)

1. Diddesence between open loop & closed

Loop systems.

2. -ve feed back is used in obsed loop

control systems.

Signatures	1 - 1	1. ,	/
7 mile	Resource	Lab Incharge	Coordinator-
Participant	Person		LEARN'

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. Mulloska

DAY & DATE: 23/01/2021 Solumbley.

slots	Scheduled	Practically happened	Remarks
10AM11AM	Liner system.		6.
11.30-12.30PM	S mmulu M	Liner Systems Simula	
1.30 - 2.30 PM			
3.00-4.00 PM	1100	P-pi pin control	15

## Inference of today's sessions: (take away)

- 1. Se Time Response of second order systems Experiment and D. c servo motor Experimit and AC
- 2. Servo motor Exp and Magnotic Amplified.

  and P-PI. PID Controllers and compansalings

  3. Notuche Theoly port dave ula.

-11.	10 huston	60. houston	
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNAMA CHARY

DAY & DATE: SATURDAY 23 -01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Lineal System Sin	suld Line sy sten simuld	
11.30-12.30PM	timelespase at 5	os fur lesponed sions	
1.30 - 2.30 PM		Lity Magnet & Anplific	
3.00-4.00 PM		Mex P.P. PID Condiller	

## Inference of today's sessions: (take away)

1. Time Bapate of Se cond order System experiment and D.C Servomotor Experiment and A.C. and D.C Servomotor Experiment and A.C. Servomator loop. and may relie Amplifur and P. PI. PID Controllery and Compunishing and returber theolyport dance Ole.

Arcus	abusta	Charta	
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: kasHore M.

DAY & DATE: SATULDAY & 23/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Great system Simulat	ortineal system simula	
11.30-12.30PM	Manager and the second	Time responce of sous	
1.30 - 2.30 PM	magnetic amplifier		
3.00-4.00 PM		EM, POD controller	

### Inference of today's sessions: (take away)

- 1. studied about time response of second oder system.
- 2. Studied about delay the , esce time, peak time, my short also Ac EDC ceruomorars
- 3. Learn about magnetic amplifier and lineal system simulator.

Participant Resource Lab Incharge Coordinator-Person LEARN

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwat

DAY & DATE: SATURDAY. \$ 23-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	liniear System	Theray	
11.30-12.30PM	Time Pespondis	ind ,,	
1.30 - 2.30 PM	MARINEIAM		
3.00-4.00 PM	P.PID COON		

Inference of today's sessions: (take away)

- How to Lead. and. Lag. network idulithed
  Transial Response and. Maximum peak
  Transial Response and. Maximum peak
  Thank Ic. depend on Cotrolwinding.

Signatures	1 - 1	1	· . /
B. T Cahens	6. harste	6 Joustan	
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Vene mod howachary

DAY & DATE:

23/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Unear Systems	open loop bobse	
11.30-12.30PM	linear Systems	DIAC Convoneto	
1.30 - 2.30 PM		maganticample	tour
3.00-4.00 PM	Cinear Systems	light broad	

Inference of today's sessions: (take away)

- 1. I Studied open broupt closed long Systam
- 2. and De Seno motor &.Ac
- 3. Magnotice compliten & log & lead Companyton Uneer System Simulatur

Signatures		1 . 1	-/
Dool	ohesta	bhala	Coordinator-
Participant	Resource Person	Lab Incharge	LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: 8, Solvives

DAY & DATE:

23-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Uncal System	open loop school	
11.30-12.30PM	mecesyster	DU TERLO WIL	
1.30 - 2.30 PM	imese syst-	, magantic auplif	JK
3.00-4.00 PM	4	lag & head	I,
A STATE OF THE PARTY OF THE PAR		company	set

Inference of today's sessions: (take away)

1. I studied open loop & closed loop system and De servo motor & Al

3. magnatre ampliter & log & lead compainty.
Linear System Simulaturs

Participant	Resource Person	Lab Incharge	Coordinator- LEARN
Signatures	- Johnston	Chuston	1 /

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Yaclarah.

DAY & DATE: Monday 8 25/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Transactore	- hospeterity of. Mm	np promeiphes
11.30-12.30PM	A -1.	the same of	m10+1.103
1.30 - 2.30 PM	THE A LINE	ationstic Knyest	OXTING BINDAL-BEAR
3.00-4.00 PM	O:P-AMPP	mormetor Phy	renst of

# Inference of today's sessions: (take away)

1. O.P. Amp is a carreading connection of Differential Amplifiers
2. Protegrator is a wave shaping circuits

Signatures

3.

01 01 11	D. Karastrale	- 40
1 Hourston	Lab Incharge	Coordinator- LEARN
	Resource Person	Resource Lab Incharge

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A.KRISHNAMA CHARY

DAY & DATE: MONDAY 25-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Town 6 stor Charectrish	OP AMP Class	Prochile
11.30-12.30PM	CE. Ampliffiel	OP ANT CLASS	prochile
1.30 - 2.30 PM	PET	OP AMP Class	Proceed
3.00-4.00 PM	opAmp	ORAND Clas of	prochid

## Inference of today's sessions: (take away)

1. op Amp Intermet civily. How it's and.
oppop experiment done inverting and
2. Non Investing experiments dare

3.

N +0/11	D1 14 18 -	Phoenule	0%
Participant	Resource	Lab Incharge	Coordinator- LEARN
Participant	Person		LEARN

### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KISHORE.M

DAY & DATE: 25/01/2001 & MONDAY.

slots	Scheduled	Practically happened	Remarks
10AM11AM	mansister charecter	ate Transister chaucit	
11.30-12.30PM	CE Amplibler	CE Amplifier	
1.30 - 2.30 PM	fer characteristics	Bet charecteristics	
3.00-4.00 PM	OR Amp parameters	pramp mometers.	

## Inference of today's sessions: (take away)

- 1. studied about transistor charecteristics.
- 2. studied about CE configuration and 11's applicationsy charceteristics
- 3. opening as an interpretan of multiple transfer on a single chip.

1 desarbut	
Lab Incharge	Coordinator- LEARN
	Lab Incharge

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KM Weston

DAY & DATE: 25/01/2021 (Mordey)

slots	Scheduled	Practically happened	Remarks
10AM11AM	Transister dan	deviately Transistav cha	vitagins
11.30-12.30PM	C = amout fel	V CE Amplific	Ч
1.30 - 2.30 PM	Car charteris	Held PFT chardsri	HC)
3.00-4.00 PM	by Amy Parame	des op omp para	melen).

## Inference of today's sessions: (take away)

- 1. studied about all configuration and it implicative. charecteristrics.
- 2. op mmp is anintegration of Multuple 3. Transister in a single chip.

Mit	Die al t	1- Pleasakhall	
Participant -	Resource	Lab Incharge	Coordinator- LEARN
	Person		LEARN

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwast.

DAY & DATE:

Monday & 25-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Mangish	3 Transcisters.	
11.30-12.30PM	CE-Apoplih	es CEAMPLITIES	
1.30 - 2.30 PM	FET	OPY-AMPS	
3.00-4.00 PM	OP-AMP	Comparatees.	

## Inference of today's sessions: (take away)

- 1. CE Amplifiers reduces. Bandwith in multiple transister
- 2. op. Amp. charecstic. Block Diagram.
- 3. investing and noninverting of IC.

  and input and out put off ic.

  THI

B. Maheslus	P. Kno Xkull	P. Lowstull	
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

## DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. Siva Rama Krishna

DAY & DATE: Monday & 25-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Transistor Chara	OP-Amp Prince	ipe
11.30-12.30PM	1:0:00	valtage dollow	063
1.30 - 2.30 PM	EFF Characteril	Inverting & No	Way Westerna
3.00-4.00 PM	OP-AMP PONOMER	1 integrator	6 .

# Inference of today's sessions: (take away)

- 1. O.P. Ame is a coscading connection of
  - Differential Amplifier.
- 2. Integrator is a waveshaping circuit.

3.

- 9/	121. 11.12	Planushell	- A
Participant	Resource	Lab Incharge	Coordinator- LEARN
	Person		

# DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: 5. 5 minds

DAY & DATE:

25-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	ACC-CE	Thears	
11.30-12.30PM	-Amolibes	Theek 21	
1.30 - 2.30 PM	ARE ODAND		
3.00-4.00 PM	pagernifees	-1	

## Inference of today's sessions: (take away)

1. I Andred CP-Amplibies mosking 2. and op-Amp parameters 3. Integrator & Experiment done.

S	P. Kowshil	1. howbull	
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

## DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Veneumadhauschang

DAY & DATE:

25/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	AGC-CE	Theony	
11.30-12.30PM	Anglizier	Theany	
1.30 - 2.30 PM	AEC OPPUP	nearly	
3.00-4.00 PM	parametery		

#### Inference of today's sessions: (take away)

- 1. I studied Co-Amplifier working
  2. and op-Aup parameters.
  3. Intergretor & Expaniment done

Participant	Resource	Lab Incharge	Coordinator- LEARN
Signatures	laborta	lahata.	· *

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. Siva Rama krishno

DAY & DATE: Wednesday & 27-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Investing & Non Inva	Ches a comment	
11.30-12.30PM	Integrator	closs-a community	
1.30 - 2.30 PM	13	DE Lab Practice	
3.00-4.00 PM	hiave generator	PE Lab Practice	

#### Inference of today's sessions: (take away)

- 1. class-A commutation is current commutation & levies resonance.
- 2. class-B commutation is self commutation.

3.

Participant Resource Lab Incharge LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. yadaiah

DAY & DATE: Went day - 27/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Loveresting	Chase A-Ch	poper
11.30-12.30PM		dw Clores B-C	
1.30 - 2.30 PM	Differstu		The state of the s
3.00-4.00 PM	terrandle	PVoltadne	Hours

Inference of today's sessions: (take away)

- 1. P. ELab Experiment VIET Chraterestic
- 2. Creenst proceedings
- 3. procedite of Experiment RGBT

Participant	Resource Person	Lab Incharge	Coordinator- LEARN
Signatures	Africal	e Car	- X

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K&SHOPE-M

DAY & DATE: HEDNESDAY, 9 27/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Soverting & Non line	H CLASS- ACHOPPEN	
11.30-12.30PM	Take ora too	CLASS-R CHOTTER	
1.30 - 2.30 PM	O Chualketo	Pracked PE	
3.00-4.00 PM	Triangle generate	practiced P.E	

Inference of today's sessions: (take away)

- 1. studied about clau- a commutetron crasts.
- 2. Self commuted (or) Regovernment employee computation circuit and explonation was studied
- 3. practiced P.E lab expainment is BIT

Signatures		1 N	. /
alyc	Resource	Lab Incharge	Coordinator-
Participant	Person		LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. Malloshor

DAY & DATE: 27/01/2021 Nednysday)

slots	Scheduled	Practically happened	Remarks
10AM11AM	Investily GNONI	enity characommu	then
11.30-12.30PM	Integrator	CLUB B Commi	tales
1.30 - 2.30 PM	Differentiator		The state of the s
3.00-4.00 PM	Triangle score		

Inference of today's sessions: (take away)

1. Class & commutation and class is commutation.

2. Class work and practicle done ofternon.

3.

ek M	Whale	a chil	
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHWAMA CHARY

DAY & DATE: WEDNUSDAY, 27-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Invertise nun T	way CLass A Come	.11
11.30-12.30PM	integrator		
1.30 - 2.30 PM	Differendiato	Class & Cana	The second secon
3.00-4.00 PM	toragle Genera	Le led root	hide

### Inference of today's sessions: (take away)

1. Class A commutation and class B contestions. Class works and practicle done before more.

3.

Arry	Mizh		T
Participant	Resource	Lab Incharge	Coordinator-
	Person		LEARN

## DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S. Sini Das

DAY & DATE: 27-01-2021 (WED)

slots	Scheduled	Practically	Remarks
10AM11AM	alan Al	happened	
11.30-12.30PM	class. A chap	per Theory	
1.30 - 2.30 PM	Cluss-clopp	& Kreosy	
3.00-4.00 PM	voltage to	Prenticed	

Inference of today's sessions: (take away)

- 1. I practiced op-Auplin & voltage
- tollower
- 3. I practiced lead commutation (class-A)

Participant	Whize I		
	Resource Person	Lab Incharge	Coordinator- LEARN

## DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venu madhavaclary

DAY & DATE:

27/01/2021 (NED)

slots	Scheduled	Practically happened	Remarks
10AM11AM	class-A chopper	Theory	
11.30-12.30PM	class-13- Chappe	theonl	
1.30 - 2.30 PM	Op-Anp	propried	
3.00-4.00 PM	Voltage follow	practicad	

#### Inference of today's sessions: (take away)

- I practiced op- Auplib voltage followery

  I practiced load communition (clas-A) 2.

3.

Dool -	Whole	T Clot	
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwar

DAY & DATE:

WE-10-18 HEDRONSIN

slots	Scheduled	Practically happened	Remarks
10AM11AM	Clay A Choppes	The state of the s	
11.30-12.30PM	clars & Chopes		
1.30 - 2.30 PM	OPP AMP.	Pracitéred	
3.00-4.00 PM	1 01	Practiced	

#### Inference of today's sessions: (take away)

1. I teasued class A - choppes & class - B chopper 2.

I prouticed voltage tollower in Ade Acc lab.

B. Takens	Whigh	Chal	TV
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. Mallesha

DAY & DATE: Thursday, 28/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Ac Servomotor	p.v. Emulate	
11.30-12.30PM	Die position co	stated p.v. 2 mulite	v poortice
1.30 - 2.30 PM	Samuel Gane and	er DVTR CLOS	
3.00-4.00 PM	schmill triss	er p. v. T.R pro	ichicle!

### Inference of today's sessions: (take away)

- 1. solar emulcher system class by hod 8ir and solar practicals.

  2. Sairerum and after that done practicals.

  2. with solar emulator and solar print,
- 3. afternon.

	1		1
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

### DAILY REPORT the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KUHOLE. 17

DAY & DATE: THURSDAY 9 28/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	ac semomotor	pv emulator	
11.30-12.30PM	ox position (orth	d, pv Emulator	
1.30 - 2.30 PM	Sware genyator	PUTE Class	
3.00-4.00 PM	schmilt trigger	PUTE Practical	

### Inference of today's sessions: (take away)

1. lear about photo voltaic Emulator advantages and applications.

2. Did one experiment on puts and observed the current untage variation with some angle.

3.

MA	Santour		de
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S Sani Dod

DAY & DATE:

28-01-2021, Thursday

slots	Scheduled	Practically happened	Remarks
10AM11AM	Ac seems mo	for Solar Putt	2.
11.30-12.30PM	peroportion		styr
1.30 - 2.30 PM	Guar gener		
3.00-4.00 PM	colnitt trace		23.5

Inference of today's sessions: (take away)

1. By using solar commelter De com know the 2. About of Radition in a particular location.

3.

a	Salbours		$\vee$
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. Siva Rama Krishna

DAY & DATE: 28-012021, Thursday

slots	Scheduled	Practically happened	Remarks
10AM11AM	Ac servo motor	Solax PYTR	
11.30-12.30PM	The state of the s	Solax Emulato	×
1.30 - 2.30 PM		solar Emulato	
3.00-4.00 PM	echanist trigger		

#### Inference of today's sessions: (take away)

- 1. By using solar Emulator we can know the effect of radiation in a particular
- location, date, time on a selected
- 3. solar panel.

Ingh.	SaiVande		
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venumad haraclary

DAY & DATE:

28/01/2021 Their day

slots	Scheduled	Practically happened	Remarks
10AM11AM	AC Servo motor	Solar DUTR	
11.30-12.30PM	De position contant		
1.30 - 2.30 PM	Square generator		
3.00-4.00 PM	Schint Trigger		

#### Inference of today's sessions: (take away)

- 1. By wang Solar Emulator we can know the
- 2. effect of radiation in a particular location
- 3. alate time on a Selected Solar pound

CADON	Salvery		
Participant	Resource Person	Labincharge	Coordinator- LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNAMA CHARY

DAY & DATE: THURS DAY, 28-01-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	A.C. seavonne fo	or P.V Emulator	loss
11.30-12.30PM	D.C. Position con	told P.V Emulater P.	mdide
1.30 - 2.30 PM	Square Gende	ted P.V. + R. Klast	5
3.00-4.00 PM	Schmitt -trigge	1 P.V.T.R Proce	ille.

#### Inference of today's sessions: (take away)

1. Solar emulator. System class by had sirrord. Sai Velum and after that Done practicle with solar emulates 2. and solar p.v. T.R. Afternoon.

3.

Arcey.	Sailones		
Participant	Resource Person	Lab Incharge	Coordinator LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Yadarah

DAY & DATE: - Thus Lay - 28/01/2021

Scheduled	Practically happened	Remarks
Solar P.V.		
	Solar P.V.	Scheduled Practically happened  Solar P.V Conilator  Solar P.T. P. Simulator  Squar gransates Convilator  Schmid forger Replication

Inference of today's sessions: (take away)

1. By Using Solar Emulator we Can Know
the effect of radiation in a particular
Location, Date, time, on a Sulatud

3. Solar panel

MA	- Cailannes		
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venumadhavachary

DAY & DATE: 29/01/2021 (friday)

slots	Scheduled	Practically happened	Remarks
10AM11AM	Holl bridge	Enter DE LAS neu	JAH .
11.30-12.30PM		when Demo Class	
1.30 - 2.30 PM	Solar Emulator		
3.00-4.00 PM	Study of solar		

Inference of today's sessions: (take away)

- 1. I studied class c 6 class D. Commutation.
  2. De Lab new Kits Demo cilges

3.

Por	ariste	Cal	
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: 15. Malle sha

DAY & DATE: 29/01/2021 (Fridous)

slots	Scheduled	Practically happened	Remarks
10AM11AM	11-16 1 11	паррепед	
11.30-12.30PM	walt pudges	nerty DE lab new 1	its
1.30 - 2.30 PM	Tull bridge Inv	ther Demo clas	5
3.00-4.00 PM	Subvemula tov	cluss c comm	7-11

## Inference of today's sessions: (take away)

1.7 stydied class & class D - commutation

2. De Les new with Derno class.

3.

. घटन	Toffingle		
Participant**	Resource Person	Lab Incharge	- minatol -
			LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S.S.

DAY & DATE: 29-31-2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	Helt brider	System upda	do
11.30-12.30PM	Solas Conta	nd Mcompradule	43
1.30 - 2.30 PM	4	Classe-Commo	delia.
3.00-4.00 PM	u	clus D- Com	

### Inference of today's sessions: (take away)

- 1. I learned classe & class D commutation
  (as) auxiliary
  2.
- 3. Systems updated for computer leb-1

Signatures	Africa		
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Yadarah.

DAY & DATE: Forday - 29/01/2021

slots	Scheduled	Practically happened	Remarks
10AM11AM	AFF BO	idere Donorta	o'-Lie-D-EL
11.30-12.30PM	Full Boid	gre . Porventus	"torema
1.30 - 2.30 PM	Class-c	Compilations	ah.
3.00-4.00 PM	Clays - D	compitations	

Inference of today's sessions: (take away)

1. OFF Bridge 2 a vortur' FUIL bridge 2 aros

tor & Lic D. ELab Dremo

2. Elors - C. Compitation Subjuct &
Auxileri zeren Choppies;

3. Class - D. Compitation Subjuct &

Class - D. Compitation Subjuct &

Signatures	~ · · · · · · · ·		
Bth	Strate	3	
Participant	Resource Person	Lab Incharge	Coordinator- LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. MAHESHWAR

DAY & DATE: FRIDAY \$ 29-01-2021

slots	Scheduled	Practically	Remarks
10AM11AM	LA OFF I	happened	
11.30-12.30PM	ACSF brid		no
1.30 - 2.30 PM	full bridg	C DE LAB Der	ve.
3.00-4.00 PM	Solot Flux	MU CLASS C IV	jen

## Inference of today's sessions: (take away)

- 1. Commutation of Closs. C. 15.

  Circut parellel to the supply in series

  2. With supply and Convert
- 3. Commutation of class Dis circulparellel. to the source and current is known as class D. OT. Auxilary Commutation.

B. Tahesh	3 (Shiele		-
Participant	Resource	Lab Incharge	Coordinator-
	Person		LEARN

#### DAILY REPORT of the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNAMA CHARY

DAY & DATE: FRIDAY 29-01-2021

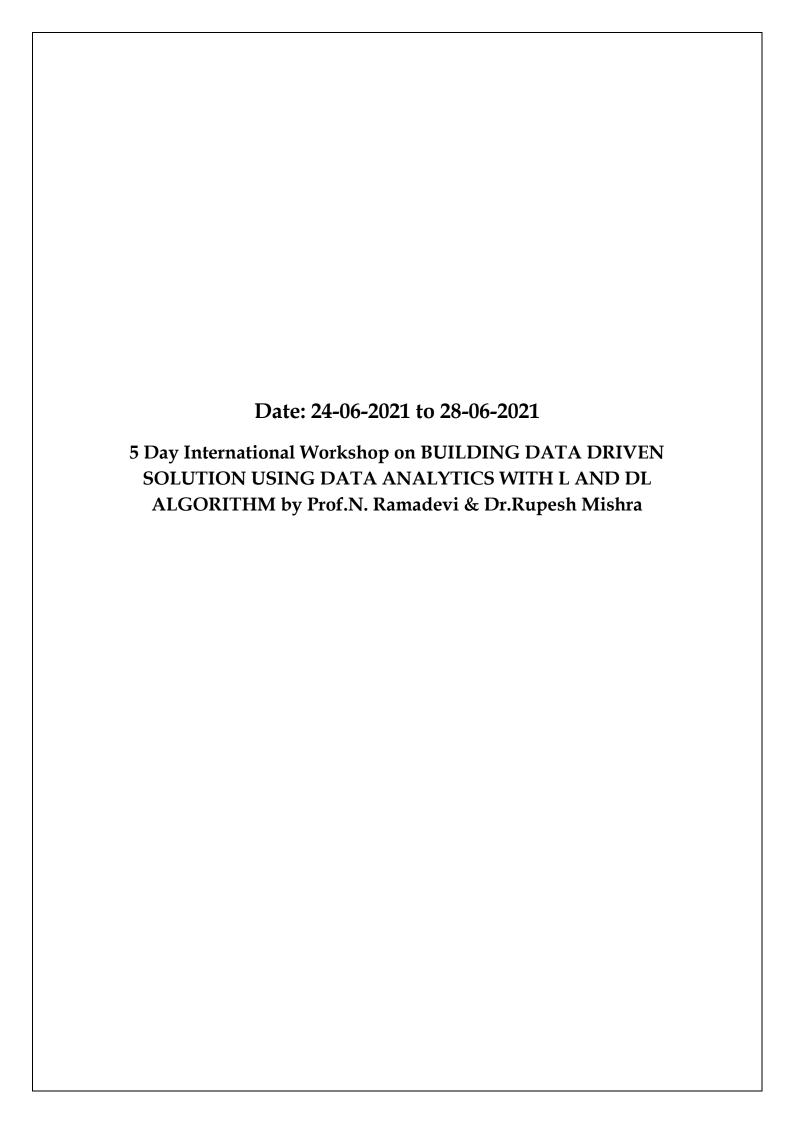
slots	Scheduled	Practically happened	Remarks
10AM11AM	Helf bridge inve	Her DiE Lab Kits	Dames
11.30-12.30PM	Full bridge inve	ate DE Las Kelty De	eana
1.30 - 2.30 PM		of closs D&C +tec	
3.00-4.00 PM		of Clos C & D theo	

#### Inference of today's sessions: (take away)

1. DE Lab Icity Demo In ording Session. and Af tel noon Clays" C" and Clays" D" Commutation willety 2. theory class.

3.

- 150 - 150	201	2/1	. \
Akuy	Thiele		1 4
Participant	Resource	Lab Incharge	Coordinator-
	Person		LEARN



#### Smt. N. Ramadevi

#### Dr.Rupesh Mishra

Alternat (1981) Alterianya Blavella hardeste of Feelendary (Autocomous) has an econystem which carry to Research, Consultancy, Start-Lips, Inculations, Stategy Cellaboratore describes with Research and Feeleng Universities. The Interests is parametric the development of an Artificial Heart in Collaboratore and Feeleng Universities. The Interests is parametric the development of an Artificial Heart in Collaboratore and Except Universities. In St. (2017), No. 1999, Interests in add Assembly the research of Assembly And Proceedings of the part of Assembly and Assembly A



About CNi Department Tu Department of CNI was street in the year 13th with an intake of 20. The letter was gradually accessed to 18th with streets of 20. The letter was gradually accessed to 18th with sleep accesses. Mr. Tulis programme was street in the year 20th within solitor of 18 and increased on 18 to 2011. CNI department in a recognized severate center under formated Democraty. The department is more than the translation of committee of the contract o

About Workshops Inside Free Day Introduced in modulus on Bulbing Day. Deven Schutzer Uning Day Aralytics with Mil. and D. Algerishmi, the option behalf are clullenge areas with protein factor of the option of the option of the option of the option of the participants. The models of the behalf again to with the participants. This models of the participants of the participant of the participa

"Humans can typically revote one or two good modcle a work. Machine learning can cream thousands of models a week." - Thomas II Devenport, Analytics thought Leader

Objectives of the Workshops >To create automost on Data Analytics and ECL using A

Algorithms, many Algorithms and a many Algorithms.
To provide restructure but hands on the standardistins of Data
You provide hands on engeniesce over Data Analysis, man
Mc. and Dis.

>To enquain the participants with Remarch Opportunities in Data Science and Company Vason.

Expected Outstance

Upon maverals completion

The participants will be acquire the concepts of data and lytter and various tools soluted to data manipulation.

the the EDA to reprocee the data after proprocessing as

Strengton the Research problems to Data Science, NLP on Computer Vision

Guid-lines for Participants

Weds Links are replaced on Whotship Group.

E-Certificate will be based to all the Perticipants, after natural fid completion of the e-Workshop.

Participants need to mark sletratuminus in the purple limit that will be considered during the Sendon.

Use the following Link for Registration: https://frame.gl





Department of CSE Organizes

Five-Day International E-Workshop On

Building

Data-Driven Solutions Using Data Analytics with ML and DL Algorithms

24<sup>th</sup>- 28<sup>th</sup> June, 2021

All Faculty,Research Scholars, Students and Industry Persons can participate

#### nahoppar ATKON

Kaxi Kireeti

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President Emeritus, CBIT(A)

PATRON

Sri. N. SUBASH.

President, CBIT(A)

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Dr. Rupesh Mishra, Assistant Professor, Dept. of CSE, CBIT(A)

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Ms. A. Sangeetha, 9949997684(M)

Ma. G.Vanitha, 9959959585(M)

Ms. K. Mary Sudha Rani, 9553404801(M)

Ms. T. Suvarna Kumari, 9493015349(M)

Smt. G. Kavita, 9885117207(M)

Ma. Ch. Madhavi Sudha, 7891131817(M)

Sri. B. Ramana Reddy, 9441441810(At)

Ms. D. Naga Jyothi, 8008023453(M)

#### Open with Google Does 💌

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Or. Konnen Srinsthen, Frakver, Dept. of CNS, MIT Hydreshad

Dr. Niraj Kumar, Manager, Sarramg bake. Dr. Diseptembra Kumar Jin, Van Produksat, Adama University. Kohus.

De. Y. J. Singh, Scenar Produces, Days, of CSE, UT Octo. De. Kolyan Kussor Manuscherya, Produces, Dept. of CSE, UT

Dr. Alamesh Chandra Trivedi , Proissor, Dept. of CSE, NIT, Aparala

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Dr. Amit Sangroya, Issotin, TCS, Garupan.

Mr. Ashlah Pendry, botractor Herwit, India

#### Five-Day International

E-Workshop

On

Building

Data-Driven Solutions Using Data Analytics with ML and DL Algorithms

Workshop Sessions

DAY-1: 24th June, 2021

Towards building real world trustworthy AI systems

DAY-2: 25th June, 2021

Information Gathering, Data Preprocessing, FDA, Data Modeling, Model Accuracy and Confusion Matrix

DAY-3: 26th June, 2021

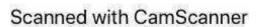
End to end deployment of ML algorithm from model building

DAY-4: 27th June, 2021

Multi tasking techniques in deep learning

DAY-5: 28th June, 2021

Image classification using neural networks: basics to hands-on

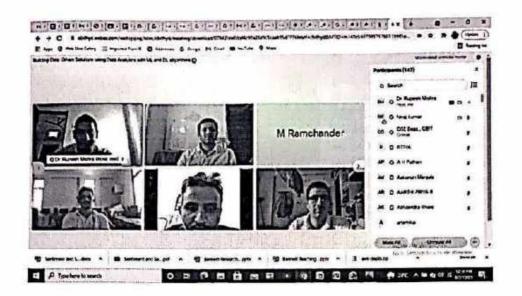


Paculty Name	P D P or ga ni ze d ye ar	FDP name	Bro chu re	No of Participa nts (From same Organiza tion and different Organiza tion)	Resource Persons Day wise Schedule	Resource persons List	Fundin g Agency	Orga nized by Paren t Org/ Other Org	If it's by "AICTE" Please send the letter proof
Smt. N.Ramade vi Dr.Rupesh Mishra	20 20 - 21	BUILDI NG DATA DRIVEN SOLUTI ON USING DATA ANALYT ICS WITH ML AND DL ALGORI THM During 24th to 28th JUNE 2021.	Yes	750 (CBIT - 150, Others- 600)	24-07-2021: Dr. Amit Sangroya 25-07-2021: Dr. Rupesh Mishra 26-07-2021: Mr. Ashish Pandey 27-07-2021: Dr. Niraj Kumar 28-07-2021: Dr. Anand Mishra	1.Dr. Amit Sangroya(Researcher, TCS, sangroyaamit@gmail.com) 2. Dr. Rupesh Mishra (Asst. Prof. CBIT, rupeshmishra_cse@cbit.ac.in) 3. Mr. Ashish Pandey(Instructor, HUAWEI India, ashishpandey@outlook.com) 4. Dr. Niraj Kumar(Manager, Samsung India, nirajrkumar@gmail.com) 5. Dr. Arand Mishra (Asst Prof. IIT Jodhpur, anandmishra.jsp@gmail.com)	Zero budget	CBIT	NA











#### భవిష్యత్తులో కృత్రమ మేధన్ను పాత్ర కీలకం

0

గార్చింగి మ్యాప్ టుడే: రాజోయే కాలంలో కృట్లను మేర్యు, మెషిన్ రిస్పింగ్ ట్రడాన పాంకేసిక పరిణ్ణనాలుగా మారమన్నాయని రిజనామ్యాసినర్గిటి ఎలక్టెపెట్ అండే ఎలక్ట్రెనక్స్ విధాగం అనిస్టెండ్ ట్రాపెసర్ రాంటానీ రాడ్ అన్నారు. గండిపేట్ కటింటే కళాలలో 'చేదా అధిరిన' పరిష్కెదాలను నిర్మిం చెపిందో మెషిన్ రిస్పింగ్, డీస్ లెర్వింగ్ యొట్ట పాడ్ర' అనే అంగంపై ఏర్పాటు మేన వర్సువల్ రాల్యాలలో ఆమె టైనంగించారు. సీటీండే ట్రిస్సెపాల్ రాంపార్ట సౌకర్కి కుష్యాటర్ విధాగం అధివరి దాంపై రమాలేవి. పాల్గొన్నారు.

# భవిష్యత్తు కృత్రిమ మేధస్సుదే..

లెబనాన్ యూనివర్శిటీ అసిస్టెంట్ ప్రాఫెనర్ డాక్టర్ అమానీరాడ్

మడికొండ: రాజోయే రోజుల్లో కృత్రిమ మేధన్ను. మెషీన్రలిర్నింగ్ ప్రధాన సాంకేతిక పరిజ్ఞానాలుగా మారతాయని లెబనాన్లోని లెబనాన్ యూనివ ర్మిటీ ఎల్మక్రిసిటీ, ఎల్మక్రానిక్స్ విఖాగం అసిస్టెంట్ ప్రాఫెసర్ డాక్టర్ అమానీరాడ్ పేర్కొన్నారు. గండిపే టలోని సీటీఐటీ కళాశాలలో కంప్యూటర్సైన్స్ విఖాగం ఆధ్వర్యంలో 5 రోజుల అంతర్జాతీయ 'డేటా అధారిత పరిష్కారాలను నిర్మించటంలో మెషీన్ లెర్నింగ్, డీప్ లెర్నింగ్ యొక్క పాత్ర' అనే అంశంపై నడస్సూను గురువారం అనలైనలో పూరం బింకారు. ఈ కార్యక్రమంలో అనలైనలో ముఖ్యలథి తెగా పాల్గొన్న లమె మాఖ్యదుతూ.. ప్రస్తుత

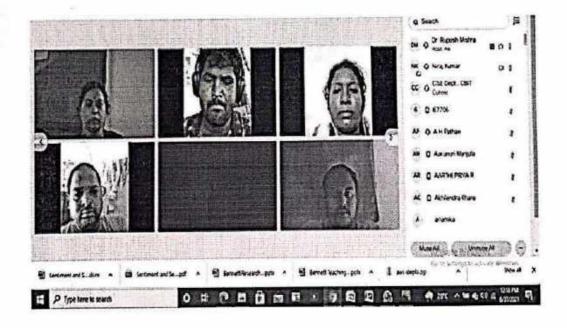
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గ్రాడ్యుయేట్లు డేటా సైంటిస్ట్రేలుగా మారాలనుకుంటున్నారన్నారు. ఆనేక విశ్వవిద్యాలయాలకార్యక్ర మాలు తమ పార్యాంశాల్లో భాగం గా ఈ కోర్సులను అందిస్తున్నా యన్నారు. ఆధునిక డేటా సైం

టిస్ట్ ఓపెన్ సోర్స్. అల్గోరిథం ఎకానమీ శక్తితో ప్రవంద వ్యాప్తంగా అనేక సంస్థల్లో కృతిమ మేధన్సు ముఖ్యభాగంగా మారుతుందన్నారు. సీబీఐటీ స్రిన్సిపాల్ డాక్టర్ పార్థసారథి వర్మ మాట్లా డుతూ.. ఇలాంటి కార్యక్రమాల ద్వారా ఇతర దేశాల పరిశోధన, సాంకేతిక అభివృద్ధి విషయా లను రెలుసుకునే అవకాశం విద్యాధ్యలకు కలుగు తుందన్నారు.కంప్యూటర్ సైన్స్ హెడ్ డాక్టర్ రమాదే వి. అధ్యాపకులు, విద్యాధ్యలు పాల్గొన్నారు.

Fri, 25 June 2021 https://epaper.sakshi.com/c/61372583



### Participants List

Timestamo	Email Address	Name of the Participant	Mobile Number	Institute / Organization	Participant Category	Designation	Country
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6-23-2021 14:02:09	enerayana.5813@gmail.com	Gunupusala salyanarayana	08500454515	Sir C. R. Reddy College of Engineering ELLIBU-534007, W.G.DIST, A.P.	Research Scholar	Assistant professor	India
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8-23-2021 14 27:29	je evamaddela (@gmail.com	Maddeta Verikata Jeeva	7981657851	Chatarya Bharatri institute of technology	Post Graduate Student	Student	India
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6-23-2021 14:33-20	kalpanagprec@gmail.com	KKALPANA *	09848092065	Valla Reddy Institute of Engineering and Technology	Appdemics	Asst professor	India
6-23-2021 14:34:40	jubarbasha@gmail.com	N Nd Jubair Basha	9652564800	Kallers Haranadha Reddy Institute of Technology,Gustur	Academics	Associate Professor	India
6-23-2021 14:37:46	majeed@vjt.ac.in	Abdul Majeed	08501122998	Vidya Jyothi institute of technology	Academics	Assistant professor	India
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1-23-2021 14.43.33	kalibasha@gmail.com	D IBRAHIM KALIL BASHA	9959395502	AND SCIENCE	Academica	Assistant professor	India
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-23-2021 15:58:28	purnachandia36@omail.com	GUNDU PURNACHANDAR RAO	7989758629	Osmania uriversity	Research Scholar	Research scholar	Indian
23-2021 15:58:44	ps hyamsunder_cse@mgit.ac in	SHYAM SUNDER PABEOJU	9866660051	NAHATMA GANDHI INSTITUTE OF TECHNOLOGY	Academics	Assistant Professor	India
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-23-2021 17:29:58	bharathkumarreddy putlurufigmail com	Bharath Kumar Reddy Putlus	7702252070	Makalma Gandhi Jowersity Nalgonda	Academics	Student	India
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-23-2021 17:30:42	rsconlinedass@gmail.com	Ramesh Shiddeppe Chekraseli	8553535451	RNBIT Bangaiors	Anademics	Assistant Professor	India
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-23-2021 17:33:15	suchi_asafriend@yahoo.com	Sudhe reni V	8106863069	TSWRDC KOTHAGUDEM	Research Scholar	Lecturer	India
-23-2021 17:33:12	sh:avanthousqu@gmail.com	Mr. T SHRAVAN KUMAR	9840517277	SPHOORTHY ENGINEERING COLLEGE, HYDERABAD	Academics	ASSISTANT PROFESSOR	INDIA
-23-2021 17:33:56	k.mayun49@gmail.com	Mayori Kasetty	8500541549	Institute of Aeronautical Engineering	Academics	Assistant Professor	India
-23-2021 17:34:07	shireesha5507@gmail.com	T.shineesha	8790450158	Tswrdc- bhupapaly	Academics	Lecturer	India
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6-24-2021 5:55:59	agsgkni@gmail.com	Strivani Gabe	7207759890	Chandigarh University	0	Descript Bell-I	
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6-24-2021 6:07 03	setharreddyf@cvsr.ac.in	G Sekhar Reddy	9032692796	Anulag University	Academics	Assistant professor	India
6-24-2021 6:18:18	sheebo@psg/kcw.ec.in	Sheeba L	7075838340	Arrung University	Academics	Associate professor	India
6-24-2021 6:21 08	seMm@psgricov.ac.in	Selvenayaki M	8526244889	PSGR Krishnammal college for women	Research Scholar	Assistant professor	India
6-24-2021 # 26 43	mehipelreddy pulyale@gmail.com	Dr. Mah paheddy Pulyata	9944822620	PSGR Krishnammal College for Women	Academics	Assistant Professor	india
8-24-2021 6:27 47	s.venugopal@vardhamen.org	Dr S Venu Good	9985090384	Vaagdevilengineering college	Academics	Associate professor	India
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0-24-2021 0:30:54	gauthamra(30101999)@gmail.com	GAUTHAMRAJ M	8121550180 7094419842	CBIT	Academics		India
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-24-2021 7:13:49	narinderkaur sbbe@gmeil.com	Nannder Kaur	95760-39694	Sant Baba Bhag Singh University ,Khlala, Jalandhar	Academics	Assistant Professor	India
-24-2021 7,73:55	stezhi5@gmail.com	VEzhilarasi	8056614995	AV.C. Colege of Engineering	Academics	Assistant Professor	1.4
24-2021 7:15:48	rajyam_kolls@yehoc.co.in	Kolia Lakshmi Rejyam	9959536034	Kasturba Gendhi Degree and PG College Women	or Academics	Associate Professor	India
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24-2021 7:28:26	buchepali.a14@gmail.com	ADILAKSHMLEUSIPALLI	9014568863	DR SAMEUL GEORGE INSTITUTE OF TECHNOLOGY	Post Graduate Stude	STUDENT	INDIA

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5-24-2021 8:26:26	gajels.sandhyarani@gmail.com	Gajjela Sanchyo Rani	8125877557	VAAGDEVIENGINGERING COLLEGE	Academics	ASSISTANT PROFESSOR	INDIA
5-24-2021 8:28:50	adiyatuma:bvc@gmail.com	TIKKIREDDI ADITYA KUMAR	0080661117	BVC Institute of Technology and Science	Academics	Assistant Professor	India
5-24-2021 8:30:22	fisianum@mjcollege.ac.in	Fahmina Taranum	9394754916	Muffakham Jah College of Engineering and Technology	Academics	Associate professor	India
5-24-2021 8:35-40	gvijayakumari,bvis@bvegroup.in	GIDLA VIJAYA KUMARI	9866736393	BUC INSTITUTE OF TECHNOLOGY AND SCIENCE	Academies	Associate Professor	India
3-24-2021 8:41:38	maryposonia.cse@sathyscams.ac.in	Dr. A. Mary Posonia	9485601850	Sethyabama institute of science and technology	Academica	Associate professor :	India
-24-2021 8 42:45	kumar4248@gmail.com	G L N V SATYA KUMAR	09505174999	B V C INSTITUTE OF TECHNOLOGY AND SCIENCE	Academics	Associate Professor	India
-24-2021 8 43:18	bhavanicse10@gmail.com	GANGA BHAVANI BILLA	03603087788	B V C ENGINEERING COLLEGE	Academics	Assoc Piol.	10000
-24-2021 8:47,19	ch 123 kckr@gmail.com	K CHAITANYA KUMAR REDDY	9908843940	JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES	Acedomics	Assistant Professor	India
24-2021 8:48:08	ajtkumar.cs55@gmail.com	Ajr Kurrar Sethi	9861185255	Vikram Det Autonomous College, Jeypore, korsput, Ocisha	Academics	Assistant Professor	India
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1-2021 9:09:32 1-2021 9:11:05	prashanih19bolukenda@gmail.com	BOLUKONDA PRASHANTH	9030584180	Sumath Reddy Institute of Technology for Women	Academics	Assistant Professor	India
PEOC1 9.11:05	hod.it@kitsw.ac.in	Dr.P.Kamakshi	09441930591	KITS WARANGAL	Academics	PROFESSOR	India
1-2021 9:11:33	akkireddysunitha68@gmail.com	Dr. K. Sunitha	9876056076	Kasturba Gandhi Degree and PG college for Women	Academics	Associate professor	India
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5-24-2021 9:18-52	srinivas mirampelli@gmail.com	Sreenwasu Mirampati	+919502412219	University of Hyderabad	Research Scholar	Research scholar	India
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6-24-2021 9:39 09	jayalaxmi k@bvrt.ac.in	JAYA LAXIM K	7075331858	B.V.Raju Institute of Technology	Academics	Assistant Professor	India
6-24-2021 9:39:22	tkgupta@bier.ac.in	Bhagvan Krishna Gupta	8278644575	Bharat institute of engineering and technology	Academics	Assistant Professor	India
6-24-2021 0:40:47	gnrp@coit.ac.in	Dr. G. N. R. Pressd	00885191683	CBIt	Academics	Faculty	India
8-24-2021 9:40:57	tspraveena prog@cbt.ac.in	T S Praveera	9885976422	CBIT	Academics	Programmer	India
6-24-2021 9,43.58	eji@tiet.ac.in	Ajit Kumar Vishwakarma	8639471713	Bhasai institute of Engineering and Technology, Hyderabad	Academios	Assistant Professor	India
6-24-2021 9:44:37	shaitkamaranashrat@gmail.com	Shaik Kamaran Ashra!	8886568241	CBIT	Post Graduate Student		INDIA
E-24-2021 9:44 52	jaya axini k/Zbvrit.ec.in	JAYA LAXMIK	07075831858	BVRIT	Academics	Assistant Professor	India
6-24-2021 9:45:35	krupa207@gmai.com	VARIPALLI KRUPAKAR	9000283951	IIT-RGUKT-BASAR	Academics	Assistant professor	India
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6-24-2021 8:46 43	fouzia gadri@gmail.com	S. Fouzia Sayeedumisa	9885083255	Muttakham Jah College of Engineering and Technology	Academics	Associate Professor	India
6-24-2021 9:49:18	krishnareddy_cse@cbit.ac.in	M Verikata Krishna Reddy	5948048462	Chatanya Brarathi Institute of Technology, Hyderabad	Academics	Asst. Professor	India
6-24-2021 9.50.39	ayushikamleshbhai82@gmail.com	Ayushi Kamleshihai Pujare	8160970973	Indus University	Academics	Student	India
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5-24-2021 9:53 25	kharinath @@moif.ac.in	Hanneth Kuruya	9032427510	Mahatrae Gardhi Institute of Technology	Academics	Assistant Professor	India
6-24-2021 10:04:04	venketeshr1306@gmail.com	R.Venicateshwarlu	9949674258	Jyothishmathi Institute of Technology and Science	Research Scholar	Assoc .Professor	India
	iyoshnabeijam@gmai.com	Jyoshina	+919863095035	Kml	Academics	Assistant Professor	India
6-24-2021 10:04:40 6-24-2021 10:09:30	dryisumathi@vekech.edu.in	Dr VISUMATHI J	9884398548	VelTech Rangarajan Dr. Sagunthala R&D. Institute of Science and Technology	Academics	Professor	India
3-24-2021 10:14:28	drsaratchandranayak@cmroet.ac.in	Dr. Saret Chandra Nayak	09438420234	CMR College of Engineering & Technology Hyderabad	Academics	Associate Professor	Inda
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-24-2021 10:19:35	gnavya546@gmai.com	Yashwanth reddy Vadde	6303498658	Charanya bharathi institute of technology	Academics		India
-24-2021 10:20:37	reddyyashwanih875@gmail.com	B Krishnaveni	8939510589	CBIT	Academics	Asst Professor	India
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-24-2021 10:22:35	kavya.kotipali@gmail.com	Kevya Lakshmi kotipalii	8019532082	obit	Post Graduate Student	student	india
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-24-2021 10:26:21	sridevir@mjccllege.ac	Dr KOTARI SRIDEVI		Saltysbama Institute of Science and		Assistant Professor	Indi
24-2021 10:27:13	nercypeulselvan@gmail.com	Dr. Mercy Paul Selvan	7299298353	Technology	Academics	Assistant Professor	Indi
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5-24-2021 10:36:19	soumva sahoo@cvice.edu.h	Soumya Sahoo	9861775097	C V Raman Global University	Acedemics		India
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6-24-2021 10:37:15	mishri0507@gmail.com	Mishri Majithia	6355414869	Sal Engineering and Technical Institute	Academics		ndia
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6 24 2021 10:40:27	manizalvijab@mjcolege.sc.in	MANIZA HIJAB	9493410815	Muffalham Joh College of Engineering and Technology	Academics	Associate Professor	India
5-24-2021 10:40:30	kommulavanya6@gmail.com	K LAVANYA KUMARI	8698968656	Vardhaman College of Engineering	Academics	Assistant Professor	INDIA
6-24-2021 10:42:01	indupyatta2000@gmail.com	Pyata Indu	9491205501	TSWFDC ( w) ARMOOR	Post Graduate Student	Student	India
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6-24-2021 10:45:11	sampath armiel@gmail.com	Sampeth kumar katan	8096220001	Alamuniral nameta institute of engineering and technology maharastra	Academics	Asst professor	India
6-24-2021 10:51:05	pavani.ch92@gmail.com	CHOLLETI PAVANI	9502397271	SIDDARTHA INSTITUTE OF ENGINEERING AND TECHNOLOGY	Post Graduate Student	ASSISTANT PROFESSOR	NDIA
6-24-2021 10:52:43	sangeetha karra6@gmail.com	Karra Sangeetha	7631001474	TSWRDCVI, tagathgirgutta	Post Graduate Student	Lecturer in computer science department	india
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5-24-2021 11:05:32	agadish.s@miritm.ac.in	Jagadish	8560718914	Mam Laxman Reddy Institute Of technology and Management Hyderabad	Academics	Assistant Professor (CSE)	India
6-24-2021 11:06:36	jayaramboga@gmail.com	JAYARAM BOGA	9959284620	MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT	Academica	ASST PROFESSOR	India
6-24-2021 11:07:04	mamata1517@gmail.com	Mamatarani Das	6895078514	C V RAMAN GLOBAL UNIVERSITY BHUBANESWAR	Academics	Asst Prof	India
5-24-2021 11:09:25	sangeeta kumari@vit.edu	Sangeeta Kumari	8669025127	Vishwakarma Institute of Technology, Pune	Academics	Asst. Professor	India
-24-2021 11:10:47	prayteshyry@gmail.com	S proyle shyry	9445104773	sothyabama institute of science and technology	Academics	assoc prof	Indu
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24 2021 11:11:28	siva.rama1350@mirilm.ac.in	SIVA RAMA PRASAD KOLLU	9866210002	TECHNOLOGY AND MANAGEMENT Challenge therathi institute of technology	Academics Post Graduate Studen	M.	Ind
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-24-2021 11:45:45	thinpatri.605@gmail.com	JALAMFELLI THIRUPATHI	7416282592	INSTITUTE OF AEROMAUTICAL ENGINEERING	Academics	Assistant minterent	INDIA.
-24-2021 11:48:21	praveena.s@jt.ac.in	AFRAVEENA	+919985545508	JANSONS INSTITUTE OF TECHNOLOGY	Academics	ASSISTANT PROFESSOR	India
24-2021 11:49:43	madhavi 0515@gmail.com	Madhavi Velpula	7569696504	Vatagotevi Engineering College	Academica	Assistant Professor	india
24-2021 11:50:00	awathi762@gmail.com	Ardi Swathi	89/8310924	Vasgoevi Engineering College	Academics	Assistant Professor	india
24-2021 11:56:57	kodavai Jakshini@gmail.com	K.LAKSHMI NARAYANA	8247083906	Marri Lexman Reddy Institute of Technology and Management	Academics	Assistant Professor	India
24-2021 11:57:16	anagithareddy_pg25csea902@mgit.ac	r Aleti Nacitha Reddy	7386284898	Mahatma Sendhi Institute of Technology	Post Graduate Student		100000
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24-2021 11:57:38	cbvsubbarayudu@gmail.com	Chilukuri Bala Venkata Subbarayu	9391239666	Sheden Women's College of Engineering and Technology, Hyderabad	Academics	Associate Professor	India
74-2021 11:59:30	chinlaveeraverkatan@gmail.com	Ch v v Narzeimha Roju	0056060165	Marid laxing recidy institute of technology and management.	Academics	Assistant Professor	India
4-2021 12:02:33	jagadeesh.cse08@gmail.com	M Jagodecah	5036376373	Marri Lexman Reddy Institute of technology and management	Academics	Assistant professor	India
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-24-2021 13:15:52	ruchi478@gmail.com	Ruchi Sharma	9817845302	CGCTC Jhayen Punjah	Assdemics	Assistant Professor	India
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-24-2021 15:38:12	sumrasasiddiqui@deccascollege.ac.in	Sumrana Siddiqui	9966347700	Deccan college of engineering and technological	y Academica	Assistent professor	India
-24-2021 13:38:41	drsdg2020@gmail.com	Dr. S DASTAGIRI	09703395934	Sri Krishnacovaraya University, Anantapur	Academics	Academic Consultant	
24-2021 13:46:06	skifenbabu cse@moit.ac.in	SHAIK IRFAN BABU	+918465997225		Academies		India
24-2021 14:00:40	pgs19012_cse.rametenki@cbit.org in	Anitha RamaterNi	9951833910	Chaitanya Bharath Instrute of Technology	Post Graduate Student	Assistant Professor	India
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24 2021 14 33:37	ambikathakur205@gmail.com	AMBIKA THAKLIR	8278707693	Swami Wekanand govi. Despee college at umaravi	Post Graduate Stations	Hinacha Pricest	India
24-2021 15:01:04	arshad.mn24@gmail.com	Arshad	+918008129548		Post Graduate Student		India
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24-2921 15:27:23	athlareddy672@gmai.com	SAI AKHILA	6300609522	BAPATALA ENGINEERING and	Academics	BAPATALA ENGINEERIN COLLEGE	INDIA
24-2021 15:35:30	kv11113112@gmail.com	Vishal Gummod	8674721702	Montplair State University	Post Graduate Studen		1000000
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6-24-2021 16:14:55	sreeveda.kanepa@gmail.com	K. Sreeveda	6019384939	Institute of Aeronautical Engineering A	cademics	Assistant professor In	dia
-54-2021 16:17:09	jatand999@omail.com	Madhu Sharma	6639080670		est Graduate Student	learner in	dia
-24-2021 16:22:14	swathik_cae@ctit.ac.in	K SWATHI	9849012258		cedemics	Asst.Professor IN	DIA
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5-24-2021 21:01:00	gs.cse@ktsw.ac.in	SRIDHAR GUJJETI	8105344347	KAKATIYA METITUTE OF TECHNOLOGY AND SCIENCE	Academics	Assistant professor	Irda
5-24-2021 21:06:33	tratnareddy mech@cbit.ac.in	THUMMA RATNA REDDY	9985666778	CRIT	Academics	Associate Professor	india.
5-24-2021 21-15:08	shiva57 m@gmail.com	MISHWA RAMA KRISHNA	B328225191	HOLY MARY INSTITUTE OF TECHNOLOGY & SCIENCE	Research Scholar	Assistant Professor	India
24-2021 21:16:33	vsantosh_ri@sbrt.nc.in	Senthosh Verugent	9030012209	CBIT	Academics	Assistant Professor	India
-24-2021 21:24:41	sharathece@cvsr.ac.in	SHARATHBABU NUNAVATHU	9885878432	Anurag Group of Institutions	Academics	Assistant Professor	India
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-24-2021 Z1:31:42	salvankatr i@cbit.ac.in	Rudroju Sai Venkat	7893286916	CBIT	Academics	Assistant professor	India
-24-2021 21:35:58	look4shaji@gmail.com	Shaji Mathew	7021989892	Vikas College of Arts, Science & Commerce	Academics	Faculty	india
-24-2021 21:37:44	pritiritam19@gmail.com	Priticita Moral	8472805779	Mizoram University	Post Graduate Student	M.Sc. in Physics	India
-24-2021 21 51:25	pedmerajeni@onlindia.org	Padma Rajani	998550D022	GNITC	Academics	Assistant Professor	India .
-24-2021 22 04:54	adityalu@gmail.com	ADITYA Y	9705321767	Gudlavalleru Engineering college	Research Scholar	Assistant professor	India
3-24-2021 22:23:18	akumistry08031981@gmail.com	Alkebahen Amrutbhai Mistry	8141365884	Government Aris & Commerce College, Kachhal	Academics	Propositi professor	India
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-24-2021 22:33:08	srikantho t@cbt.ac.in	GEEDIKANTI SRIKANTH	9397807156	CEIT	Academics	Asst. Professor	
-24-2021 22:34:59	coolbrad766@gmail.com	Mohammed Afraz Moqueem	7673967208	Muffakham Jah College Of Engineering and Technology	Academics	Undergraduate Student	India
24-2021 22:35:18	fdpsanjeevpreet@gmail.com	Sanjeev Gupta	9906088394	Government College of engineering and technology jammu	Academics	Associate Professor	india
-24-2021 22:36:01	fayazmoqueam21@gmail.com	Mohammed Fayaz Moqueem	7675825875	Muffakham Jah College Of Engineering and Technology	Academics	Undergraduate Student	India
24-2021 22:37:41	marridalasoujanya@gmail.com	Mamidala soujanya	09010610430	Kakatiya University College of Engineering and Technology	Academica	Assistant professor	India

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6-24-2021 23:48:55	sdvshbhosale001@gmail.com	Prof.Sombhaji Hanmanireo Bhose	0423357621	VDF School of Engineering & Technology, Letur (MH)	Academics	Assistant Professor	nola
E-25-2021 0:39:32	saradaramanaok@omail.com	M Sarade	08985066116	Priw	Research Scholar	Assoc	India
-25-2021 5:19.31	stinivaskritt2014@gmail.com	SRINIVAS MEKALA	09885353797	Keshay Memorial Institute of Technology	Research Scholar	Assistant Professor	India
5-25-2021 5:24:09	madhuri.mecse@gmail.com	Madhuricevi L	07338844168	St. Joseph's Institute of Technology Chennal	Academics	Assistant professor	India
3-25-2021 6:40:35	Krishnaaravinda_i@chit.ac.in	VK Aravinda	8910497135	CBIT	Academics	Assistant professor	India
3-25-2021 7:10:15	sridhe munity@gmail.com	Sridhara Murthy Bejugama		KITSW	Academics	Assistant Professor	India
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6-25-2021 7:33-22	shilpamlech555@gmail.com	K.Shipa	9959502257	Shadan women's College of Engineering and Technology	Academics	AsstProf	India
6-25-2021 7:56 12	charminganbu@gmail.com	MANBUKKARASI	9566460581	S.S.DURAISAMY NADAR MARIAMMAL COLLEGE	Academics	Assistant Professor of CSSIT	India
8-25-2021 8:26:23	natarajanprakash87@gmail.com	N.PRAKASH	+018050531020	Tamil Neds Open University	Research Scholer	Ph.D Scholar	India
6-25-2021 8:48:56	sunithavvit@gmail.com	Lingam Sunitha	0441264836	Kenreru Lekshmaiah Education Foundation	Academics	Assistant Professor	India
0-25-2021 9:10:25	mamata.jiwankan@gma1.com	Mamata D. Jiwankar	9850365349	SCOE, Pune	Academics	Assistant Professor	India
3-25-2021 9:15:17	nagarari 1215@gmail.com	P. Nagarani	9032682982	CVR COLLEGE OF ENGINEERING	Academica	Asst Piel	India
5-25-2021 9.58,28	kaminikay123@gmail.com	Kamini Sharma	08628923847	Svgc ghukarwin	Post Graduate Student	Student	leda
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6-25-2021 10:35:07	rdeepa_it@obit.ac.in	Deepa R	8088325583	Chaitanya Bharathi Institute of Technology(A)	Academics	Assistant Professor	India
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6-25-2021 10:38:36	gnyanadeepa_ii@cbit.ac.in	Y. GnyanaDeepa	9000399729	Chaitanya Bharathi Institute of Technology	Academics	Assistant professor	India
5-25-2021 10:40:31	sravanit 191@gmail.com	CHEKKA SRAVANI	8096766532	NLRITM	Anademics	Assistant professor	India
5-25-2021 10:44:52	bkaviths_orog@cbit.ac.in	Kavitha Bommadevara	7396746898	CBIT	Academics	Programmer	India
8-25-2021 11:09:23	itdshief6@gmail.com	SATYENDRA PRASAD	+919839159688	Cr. Ambedkar Institute Of Technology For Handicapped U.P., Kanpur	Industry	Student	India
5-25-2021 11:25:10	revankumar2@gmail.com	S Revan Kumar	9885021502	CBIT	Post Graduate Student	Student (Al & De)	India
3-25-2021 12:23:00	redkanth_ese@ebit.ac.in	Sakanth R	8978259394	CBIT	Academics	Sicolar (A & Ds)	India
8-25-2021 12:27:15	sharfuddin@mjcollege.ac.in	MOHANMED SHARFUDDIN	9848689595	MUFFAKHAM Jah college of engineering an		Assistant Professor	INDIA
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3-25-2021 13:05:03	aakankshamishra@ggits.org	AAKANKSHA LIPADHYAY	09977409729	GGITS	Academics	SCERCE	1 750000
3-25-2021 14:11:08	kecy3dsm@nottingham.edu.my	Swaraj Dube	+60103612855	University of Nattinghem	Research Schoar		India
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-25-2021 18:13:44	ssewskari@hormail.com	DR.S.SELVAKANI	9965530956	Thiruvaluvar University College of Arts and Science, Arakkonam	Academics	Assistant Professor and	Irda

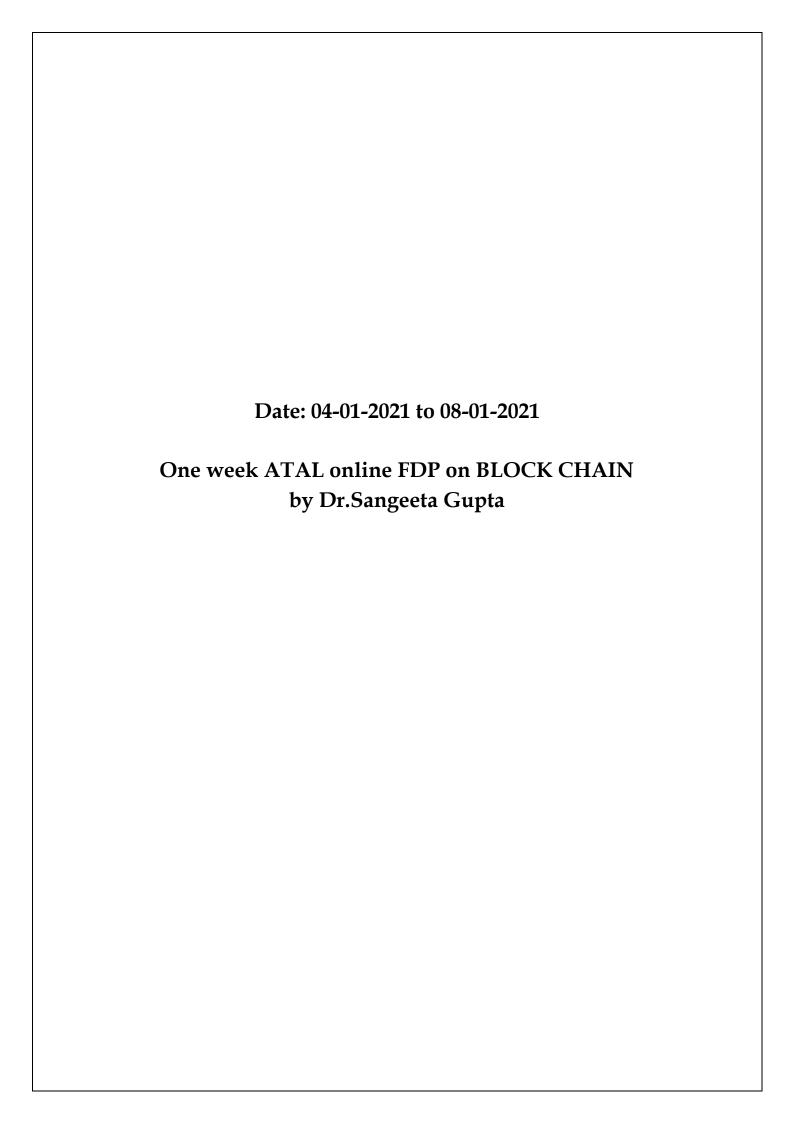
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-25-2021 15:51:15	sarkersubhadio757@cmail.com	SUBHADIF SARKAR	1010114011401	Moharaja Surajmai Institute, Deihi	Academics	Assistant Professor	India
-25-2021 15:51:18	anamica.rana@gmail.com	Anamika Rana	The second secon		Industry	Former Eranch Head	India
25-2021 20:02:24	kishoremeghani.girrt@gmail.com	Kishore Meghani	9897570134	The Naintal Bank Limited	Academics	Assistant Professor	India
5-25-2021 20:10:09	chandrakuma m@rvee edu.in	Chardra Kumar R	9731600916	RV COLLEGE OF ENGINEERING	Huadelines	ASSISTANT PROFESSOR	
5-25-2021 23:20:40	sushmesheshadrið 1@gmail.com	SUSHMA SHESHADRI	9945272241	NAVKIS COLLEGE OF ENGINEERING. HASSAN	Academics	ACCUSE SE S	India
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0.06-2021 7:38:40	kulimal@gmail.com	VASJINATH K	9094720078	Science	PAGE TIPSE		1000
The second secon		Bhalathi Garmella	9490110357	Gudlavalleru Engineering College	Academics	Sr.Gr. Asst. Prof.	India
26-2021 B:23:36	gbkadhi@gmail.com	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		Challenya Bharathi Institute of technology	Academics	Student	India
6-26-2021 10:00:63	ugs 18130_cse_jyoshra@cbit.org.in	Kandi Jyoshna	The second secon	ICMR	Academics	Assistant professor	India
6-26-2021 10:61:39	jayasri.icmi@gmai.com	Dr. Layase Murat Iyengar	8890251267	VII	Research Scholar		india
5-26-2021 11:35:56	anfinsen.joseph2020@vitbhopal.ac.in	Anfirsen	7587930089		Academics	Associate Professor	India
6-26-2021 11:54:22	a.satchidanandam@mhitm.ac.in	a.satchidenandam@gmail.com	9440095167	MLRITM,Dundgal	Apademics		India
6-26-2021 17:27:56	abhiram.pulipat@gmail.com	Abhram Pulpati	9849097548	Amrita University	Academics	Professor	India
6-26-2021 23:23:22	dr synstnivasu@gmail.com	Dr S V N SREENWASU	9849866902	Narasarzopeta Engineering College	ACCIOENTES	Seniol Associate Professor	100
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	venkstaramana_cse@mvsrcc.eduin	Venketeremana Battula	+917799117503	MVSR Engineering College	- CONTRACTOR - CON	Assistant Professor	India
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Conveners:

Prof.N.Rama Devi,CSE

Dr. Rupesh Mishra, Asst.Prof,CSE

HoD CSE





### CHAITANYA BHARATHI

COMMITTED TO RESEARCH INNOVATION AN 41

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### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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AICTE TRAINING AND LEARNING (ATAL) ACADEMY SPONSORED ONLINE FACULTY DEVELOPMENT PROGRAM (FDP)



on

### **BLOCK CHAIN**

DAY WISE SCHEDUE (January 04, 2021 - January 08, 2021)

Day / Dale	Session 1 10:00 AM to 11:30AM		Session 2 12:00 PM to 1:30 PM	1	Session 3 2:30 PM to 4:00 PM
Day 1 4-1-2021	Inauguration & Keynole Address		Introduction to Brotkchain (Mr.Nagarjuna Malladi, Tech Mahindra)		Biocachain Architecture and its components (Mr Nagar) in a Matadi, Tech Mahindra)
Day 2 5-1-2021	Significance of Consensus Protocols in Blockstein (Prof. M. Swerry Das., CBIT Hyderabad)		Ethereum Functamentals and its implementation (Nr.Gegan Deep, Director, Rocy Computach)		Introduction to Hyperledger Fabric Project (Mr.Gagan Deep, Director, Rezy Computech)
Day 3 6-1-2021	Smart Contracts in Blockchain (Mr Intisar Mehdi, Bractor, Sync Solutions Pyt Int.)	REA	Smart Contracts for Financial transactions & other use cases (ht.Intisor Mehd, Orector, Sync Soutons Pyt.Id.)	REA	Mental & Emottorial development, Green Management (Prof. Scrivasulu, Mech dept, CBIT)
Day 4 7-1-2021	Meta Tasking & Significance of crypto wallets (Mr.Sachin, SDE, Yellow Mossenger)	K	Creation of crysto waters for real time use-cases - 1 (Nr Sachin SDE, Yellow Messenger))	K	Creation of cryste waiters for real time use-cases - 2 (Mr.Sachn, SDE, Yellow Messenger)
Day 5 8-1-2021	Biockchain Cryptography (Dr.Ann. Valei, NIT Negaland)		Research Directions & impact of blockchain in modern world (Art hitser Mend., Director, Sync Solutions Pytilit.)		Assessment Test Feedback & Valedictory

P rc nts wise Schedule rec d or ga same Organiza tion and different Organiza tion)	Pare t Org Oth Org	Please g/ send her the
Dr. Sangeeta Gupta  20 Gupta  21  BLOCK CHAIN 20  CHAIN 21  Mr. Nagarjuna Malladi, Tech Mahindra Prof. M. Swemry Das, CBIT, Hyderabad  Mr. Gagan Deep, Director, Rozy Computech) Mr. Gagan Deep, Direc	es CB	BIT NA



## All India Council for Technical Education (A Bissery body unser Ministry of HRD, Sevt. of India) Networks Mang. Valuati Ring, New Selfs. 115073 Websites premarks intraced



AICTE Training and Leaming (ATAL) Academy, [Ordine FDP)

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F. Ha BI ANGERNAL HOMESTAL LOS SUCCESSION

To

THE PRINCIPAL / DIRECTOR, CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, CHAITANYA BHARATHI POST, GANCIPET, KOKAPET(VILL.) HYDERABAD - 100075, TELANGANA.
Bangeoto Gupto (Coordinator).

Sub: Referse of a sum of Rs 93,000 /- for AICTE Training and Learning (ATAL)
Academy programme Online FDP of Nine Thrust Areas and Other Emerging Areas.

Si.

This is to convey the sendion of the Council for payment of its. \$3,010 f- (Rupees: Minety -Three Thomsend Grity) for conduct of ordine AICTE Training And Learning (ATAL) Academy Programmic Stock chairs to Charlenge Bhateshi institute of Technology, under AICTE Training And Learning (ATAL) Academy.

This fund is being released in conformity with the learns & conditions as well as nowns of the echeme as already communicated, and also being communicated in this letter.

The issuructional guidelines to be followed by University Institution

- 1. Rollesso of funds and maintenance of accounts
  - a. The UniversityCollegetimeticals shall maintain peoper accounts of the expenditure out of the grants, which shall be salated only on approved from of expenditure.
- The cost for conducting per programme will be Rs. 93,000/- as per detail given as sinder:

	Honerarium for Director	Fig. 10,000/-
	Honorasium to Co-onfinator Rx.2000- per day a 5 days	Rs. 10,000/-
3.	Honorasium for experts (Rs.3000 per session for total 14 session)	Rs. 42,000/-
4.	Provision for payment to Lab Attendant engaged during lab practices	Rs. 1000/-
	Sestitutional charges	Fig. 15,000/~
6.	Miscellaneous charges	Rs. 15,000/-
	TOTAL =	Rs. 93,000/-

Programmes having pertuission to change amounts under different heads with overall calling of Rs (195 lake being infact.

- c. The grant is extend to the adjustment on the basis of Utilization Continues in the prescribed performs to be admitted by the University/College/Institution. Platter, the accounts of the institute will be open for test chack by the Council or Controller & Auditor General of Iradia or any other officer designated by them.
- II. Disbursement of funds to institutions

The full amount of the grant successed will be released as an advance to the University/Institute through electronic transfer on the account of the University/Institute after permission of manufale form



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### All India Council for Technical Education

(A Strangery body under Mission of HHD, Gent. of India) Reison Mandala Marg, Vassel Kerg, Haw Cellst-118201 Websites manuality build friii



AICTE Training and Learning (ATAL) Academy, [Oviline FDP)

F. HO. ST. AND SERVICE HOMES SERVICE STORY

DAME:

To

THE PRINCIPAL J DIRECTOR.
CHAITANYA BHARATH INSTITUTE OF TECHNOLOGY,
CHAITANYA BHARATH POST, GANDIPET, KOKAPET(WILL.)
HYDERABAD — 500075.
TELANGANA.
Bengeoto Gupto (Coordinator).

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The instructional guidelines to be followed by University/Institution

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  - a. The University/College/Institute shall essintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- b. The cost for conducting per programme will be Rs. 93,000/- as per detail given as ender:

197	Elongrasium for Diseaser	Rs. 10,000/-
Re	Rs. 10,000/-	
2.	Honororium to Co-ordinator Recibital-per day a 5 days	Fs. 42,000/-
3.	Honorarium for exparts (Rs 3000 per session for total 14 session)	Rs. 1000/-
4.	Provision for payment to Lab Allendant engaged during lab	Feetfall Comment
	pacitus	Rs. 15,000/-
5.	Institutional charges	Rs. 15,000/-
6.	Miscellansus charges TOTAL -	Rs. 93,000/-

Programmes having permission to change unquests under different hearts with overall ceiling of Rs (195 lisk) being infact.

- c. The grant is subject to the adjustment on the basis of Utilization Certificate is the prescribed postorme to be autorized by the University/College/Astitutes. Purther, the accounts of the institute will be open for text chircle by the Council or Controller 8 Auditor General of India or any other effect designated by them.
- II. Disbursament of funds to institutions

The full emount of the grant associated will be released as an alienace to the University Analysis to the University Analysis after submission of mandale term through discinate translater on the account of the University Analysis after submission of mandale term





# REPORT Block Chain

Chaitanya Bharathi Institute of Technology (Autonomous), Gandipet,, Hyderabad. 4<sup>th</sup> January 2021 to 8<sup>th</sup> January 2021

### AICTE ATAL ACADEMY SPONSORED ONLINE FACULTY DEVELOPMENT PROGRAM ON BLOCK CHAIN

**"Block Chain"** 5-Days AICTE ATAL Academy sponsored Online Faculty Development Program(FDP) was conducted from 04<sup>th</sup> to 08<sup>th</sup> January 2021 in which more than 100 participants from different parts of the country participated.

The speakers for the 5-day workshop on "BLOCK CHAIN" were:

### Mr. Nagarjun Malladi, Automation Lead, Tech Mahindra



**Designation:** Integrated Business Unit (IBU) Head-Life Sciences & Medical devices Vertical & Automation Lead of HLS vertical at Tech Mahindra

### **Credentials:**

- 2 Master degrees MCA from Andhra University, MTech from JNTUH.
- Certificate course in Global Business Leadership from Harvard Business School and U21Global.
- Star Performer for 15 years in Tech Mahindra (unique record) reflects capability in delivery, customer focus, people management, revenue & EBIDTA target achievements, transformation, constant learning, nexGen delivery.
- Delivery of all Life Sciences and Medical Devices accounts in US region .
- All Automation initiatives in Healthcare and Life Sciences Vertical involving AI, RPA, NLP, Machine Learning, Deep Learning, Blockchain

### Prof.M.Swamy Das, Joint Director(Academics), CBIT, Hyderabad



### Education

- PhD from JNTUH, Hyderabad
- M. Tech. in Computer Science and Engineering
- B. E. in Computer Science and Engineering

### **Experience**

- 2020 to till date Joint Director, Academics, CBIT, Hyderabad
- 2020 to till date Member, Academic Council, CBIT, Hyderabad
- 2017 2020 HOD, CSE Dept, CBIT, Hyderabad
- 2017 2020 Chairperson, BOS, CBIT, Hyderabad

\_\_\_\_

### Mr. Gagn Deep, Founder and Director, Rozy Computech



#### Education

- M.Phil. (Computer Science): 2008
- Master of Computer Applications (MCA): 2006
- Masters of Business Economics (MBE): 1996.
- Post B.Sc. Diploma in Comp. Sc. & Applications: 1994

### Credentials

- 2019 to till date Resource Person, Various Centre Government and State Government Engineering Institutes
- May 2018 to August 2019 Senior Executive ,Haryana State Industrial and Infrastructure Development Corp., Panchkula(HSIIDC)
- July, 1996 to 16th August, 2019 Founder & Director, Rozy Computech
- Sep. 2006 to April 2015 Assistant Professor and Visiting Faculty, Kurukshetra University, Kurukshetra

### Mr.Instisar Mehdi, Director, Sync Solutions Pvt. Ltd



#### Credentials

- Pega Certified System Architect (PRPC V7.4)
- Presently Working as Pega Developer in TCS, Hyderabad
- Technical Public Speaker (Corporate Trainer).
- Have 10 + years of IT Exp in Analysis, Design & Development of Large scale Business Process Management Applications.
- Expertise in Multidiscipline areas like python, Web Development, R
   Programming, Android, Cloud Computing, JAVA, Pega, Blockchain and Data Science.
- Have 8+ years of Experience in the filed of Technical Training of Blockchain and its areas.

### Prof, N V Srinivasulu, Professor, Mechanical Dept, CBIT, Hyderabad



### Education

- PhD in Mechanical Engineering.
- M. Tech. in Plant Engineering & Management
- M. Tech. in CAD/CAM
- B. E. in Mechanical Engineering

### Experience

- Member BOS, Department of Mech Eng., CBIT from 3 years
- Member PAC, Department of Mech Eng., CBIT from 2 years.
- Represented Department for NIRF, IIC from three years.

### Mr.Sachin, SDE, Yellow Messenger



#### Credentials

- Senior Data Engineer at the Startup, Yellow Messenger.
- Chatbot AI startup that specializes in NLP & Machine Translation
- Familiar with bigdata technologies like Spark, Kafka, HBase, MongoDB.

### Dr.Arul Valan, Assistant Professor, CSE Dept, NIT, Nagaland



#### **Credentials**

- Working as Assistant Professor in the Dept. of Computer Science and Engineering, National Institute of Technology Nagaland (NIT Nagaland) since 2013.
- 20 Years of Experience in Teaching.
- Area of Interest Machine Learning, Deep Learning, Data Analytics and Cryptography
- Working as a Part-Time Guest Faculty in St. John the Baptist University (DMI Group), Mangochi, Malawi.

The schedule of the workshop was as below-

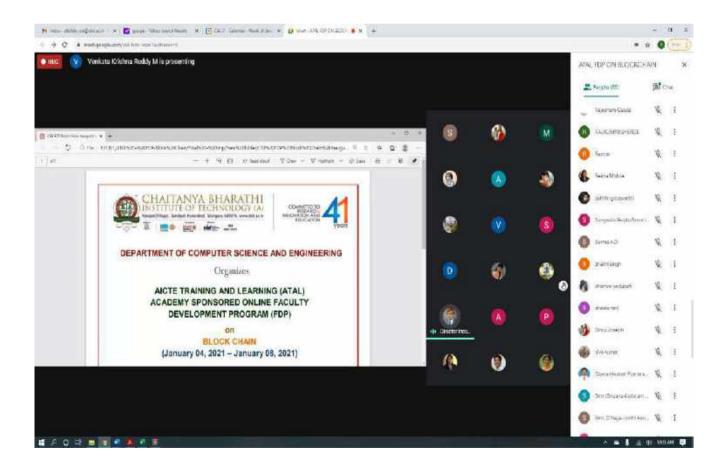
Day / Date	Session 1 10:00 AM to 11:30AM		Session 2 12:00 PM to 1:30 PM		Session 3 2:30 PM to 4:00 PM
Day 1 4-1-2021	Inauguration & Keynote Address		Introduction to Blockchain (Mr.Nagarjuna Malladi, Tech Mahindra)		Blockchain Architecture and its components (Mr.Nagarjuna Malladi, Tech Mahindra)
Day 2 5-1-2021	Significance of Consensus Protocols in Blockchain (Prof. M.Swamy Das, CBIT,Hyderabad)		Ethereum Fundamentals and its implementation (Mr.Gagan Deep, Director, Rozy Computech)		Introduction to Hyperledger Fabric Project (Mr.Gagan Deep, Director, Rozy Computech)
Day 3 6-1-2021	Smart Contracts in Blockchain (Mr.Intisar Mehdi, Director, Sync Solutions Pvt.ltd.)	B R E A K	Smart Contracts for Financial transactions& other use cases (Mr.Intisar Mehdi, Director, Sync Solutions Pvt.Itd.)	B R E A K	Mental & Emotional development, Stress Management (Prof.Srinivasulu,Mech dept, CBIT)
Day 4 7-1-2021	Meta Tasking & Significance of crypto wallets (Mr.Sachin, SDE, Yellow Messenger)		Creation of crypto wallets for real time use-cases - 1 (Mr.Sachin, SDE, Yellow Messenger))		Creation of crypto wallets for real time use-cases - 2 (Mr.Sachin, SDE, Yellow Messenger)
Day 5 8-1-2021	Blockchain Cryptography (Dr.Arul Valal, NIT Nagaland)		Research Directions & impact of blockchain in modern world (Mr.Intisar Mehdi, Director, Sync Solutions Pvt.ltd.)		Assessment Test Feedback & Valedictory

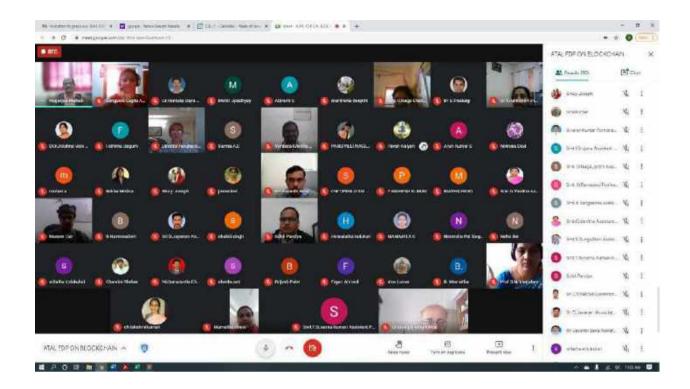
The inauguration was held on 08th January 2021 online at 10:00 am. Chief Guest of the program was Sri Nagarjun Malladi (Automation Lead, Tech Mahindra), Guest of Honour of the function were Prof. A.D.Sarma (Director, R & D), Prof. Umakantha Choudhury (Director, I & I) and Prof. K.Krishnaveni (Director, Academics). Prof Y Ramadevi (Head, CSE Dept. CBIT) and Coordinator chaired the function. Also, Directors of different academies, Heads of various departments, Senior Professors and faculty members were also present with the participants.

Director ATAL, Prof. Ravindra Soni addressed the participants about online FDP and various initiatives by ATAL Academy. Prof Kakde talked about IIIT Roles and

Responsibility in technical education. Prof. Poonia Sir, discussed about various AICTE initiatives. In the addresses of Chairman Sir, he talked about various initiatives in pandemic times by AICTE. Dr. Pooja Jain, Coordinator proposed the Vote of Thanks.

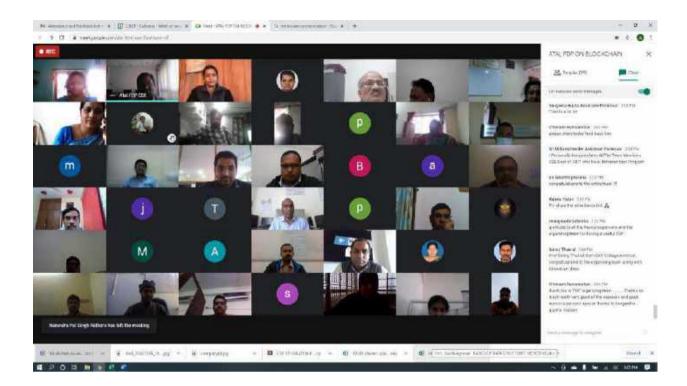
Some screenshots of the inaugural function are as below.





The screenshots of the participants taken on the closing are:-



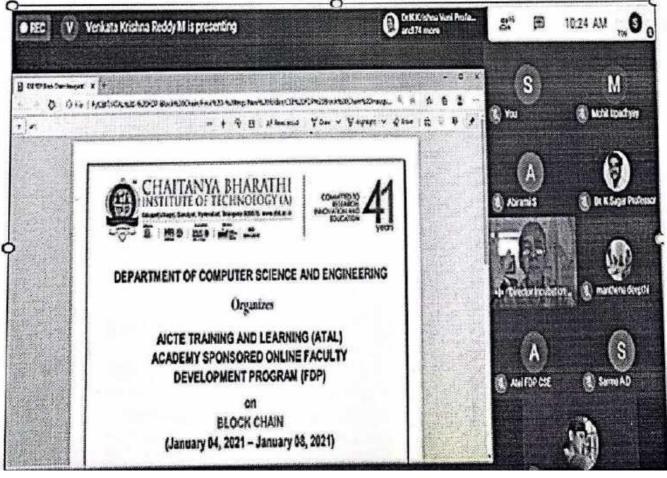


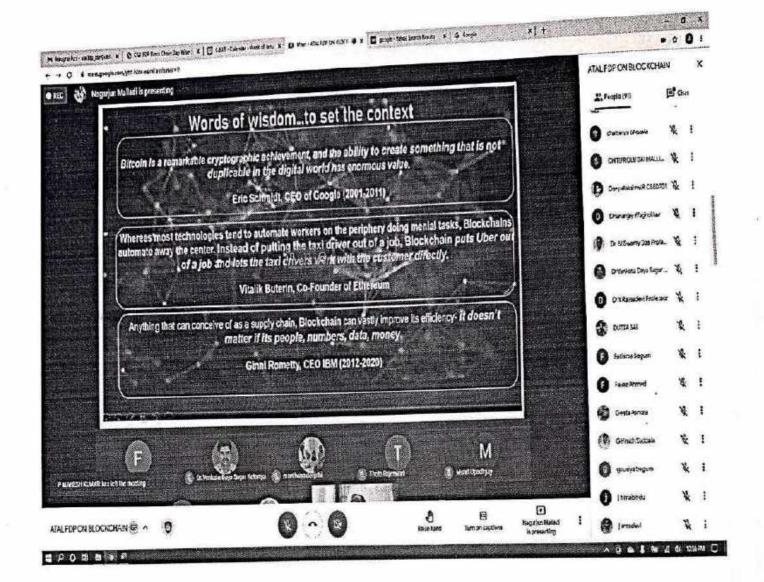
### Some of the feedback received for the workshop are as below:



It was a great Initiative by ATAL Academy. I am thankful to AICTE for giving me this opportunity
to conduct online FDP for faculty members of technical institute of India free of cost. I got huge
response for registration as well as lots of compliment of arranging the online workshop, content
and hands on.







### Participants List

		0						6			
Name	Email American Market American	Phone	Designation	Specialisation	Experi	e Institute	Address	District	State	Workshop	Worksho
Mr. Chandrakenth Nichanameda	chandrakanth2811@gmail.com	9440215360	Associate Professor Assistant	Computer Sci	19	PVKK Institu	8-19, S.K.P. 1	Anantapur	ANDERA PR	Thrust Areas	705
Mr. YASANTH SENA	vasantharena_it@cbit.ac.in	9704646320	Professor	cse	14	obit	it dept, chit, h	Mancherial	TELANGAN	Thrust Areas	705
Dr. Ramesh Cheripelli	mmesh@gnits so in	8121403233	Assistant Professor	Computer Sci	12	O Narayanam	G Narayanam	Hyderabad	Early Soul I	Thrust Areas	705
Mr. E BALA KRISHNA MANASH	krishnamanesh@gmail.com	9883844259	Assistant Professor	Computer scie	8	Ser C R Reddy	7-192 ,Near 2	West Godava	ANDHRA PR	Thoust Areas	705
Mrs. P Nega Chaitenya	prochaitanya_eee@ebit.ac.in	9989888962	Assistant Professor	EEE	8	СВІТ	CBIT, Candip	Hyderabad	TELANGAN/	Thrust Areas	705
Mrs. MADHURIKA BUDARAJU	budamjumadhurika@gmail.com	9949672774	Assistant Professor	CSE	8	Keshav Memo	Melkajgiri, H	Hyderabad	TELANGAN/	Thrust Areas	705
Mr. Dhanarijay Anant Wagholikar	dawenergyl @gmail.com	9890114281	Assistant Professor	Mechanical E	8	Pimpri Chinel	Plot 319,Secto	Pune	MAHARASH	Thrust Areas	705
Mr. D.Jayamın	jayaramcbik1974@gmail.com	9440628306	Assistant Professor	computer scie	21	chaitanya bha	9-1/33,MADI	Rangareddy	TELANGAN/	Thrust Areas	705
Mrs. CH. LAKSHMI KUMARI	chiakshmikuman_it@mgit ac in	9989798337	Assistant Professor	CSE	16	MGIT	Hyderabad	Rangareddy	TELANGAN/	Thrust Areas	705
Mrs. HYMA BIRUDARAJU	bhyma.gnite@gniindia.org	9866006655	Assistant Professor	Computer Scia	11	GURUNANA	Flat 101 Sri sa	Rangareddy	TELANGAN/	Thrust Areas	705
Mr. S GIRINATH	girisuddala@gmail.com	8341276531	Assistant Professor	CSE	9	Narayana engi	Tiropaci	Chittoor	ANDERA PR	Thoust Areas	705
Mrs. Zareena khanam	Zareena60@gmail.com	8586428615	Assistant Professor	Software engi	2	Vaagdevi colle	Be 294, babus	Bhadradri Kot	TELANGANA	Thrust Areas	705
Dr. Venkata Duya Sagar Ketaraju	sagar tadepalli@khuniversity.in	9494770631	Associate Professor	CSE	16	K L university	yaddeswaram,	Ountur	ANDHRA PR	Thrust Areas	705
Mr. Mohit Kumar	March.mohit82@gmail.com	9045082209	Assistant Professor	Computer Scie	13	DVSIET Mee	JF 102/2	Meerut	UTTAR PRAI	Thrust Areas	705
Dr. TSIVAKUMAR	mag2sk2019@gmail.com	9894743913	Associate Professor	Cryptography	16	Dr Mahalinga	1R, Rharathi 9	Coimbatore	TAMIL NAD	Thrust Areas	705
Mr. SHREENIVAS B	shreenivach toe@bmsce.ae.in	9036938935	Assistant Professor	Communicatio	10	BMS College	Electronics an	Bangalore	KARNATAK	Thrust Areas	705
Dr. PRADEEP KUMAR AGGARWAL	pradeep.aggarwal@sharda.ac.in	9716103478	Professor	Finance	25		U-11 LVG FLA		DELHI	Thrust Areas	705
Mr. ADAVI LAKSHMI BHARGAV	albhargav543@gmail.com	9912160306	Assistant Professor	Cse	5	CMR ENGINE	Medchl	Medchal	TELANGAN/		705
Mrs. Anjana Devi MV	kommunidevt&@gmail.com	9397624349	Associate Professor	CSE	13	Guru Nanak Is	Dilsukh Nagar	Rangareddy	TELANGAN/	Thrust Areas	705
Dr. L.Sujihelen	dr.sujihelen@gmail.com	7904956659	Assistant Professor	Blockchain, Id	15	Sathyabama Ir	Sithalapakkam	Chennai	TAMIL NAD	Thrust Areas	705
Mr. BAIRY MAHENDER	mahendra504@gmail.com	9948709291	Assistant Professor	Computer Scie	5	CMR Enginee	13-206'4, gold	Hyderebad	TELANGANA	Thrust Areas	705
drs. Bondumila Mamatha	mamathebondugula@gmail.com	8309823635	Assistant Professor	CSE	o	CMR ENGINE	H.NO MIG 43	Hyderebad	TELANGANA	Thrust Areas	705
fr. Sivaramkumur	siveramicumar p@srmus edu.in	9940872949	Assistent Professor	Information To	12	SRM Universi	26 rave main r	Cuddalore	TAMIL NAD	Thrust Areas	705
fr. P.M Fayaz Ahmed	fana fayaz@gmail.com	9440778982	Assistant Professor	Computer Sois	,	S V Callege at	Kadapa	Y.S.R.	ANDHRA PR	Thrust Areas	705
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r, I. Hemalatha	indukurihemalatha@gmail.com	9989556557	Associate Professor	Computer Scie	11	SRKR Engine	Bhimavaram	West Godavar	ANDHRA PR	Thrust Areas	705
rs. P Vimala Manohara Ruth	vimslamonoharsrath_cse@ebit.sc.in	9819853963	Assistant Professor	Computer Scir	11	Chaitanya Bha	Computer Scie		TELANGANA		705
r. Vishal Bhamidas Ohol	vishal.onol@rediff.com	9975641648	Assistant Professor	Computer Eng	11	a westons?	Flat No 301 T		MAHARASH		705
			Assistant								

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Ar. Kukleep kumar Dhiran	1984 kuldeep@gmail.com	9711245197	Assistant Professor	Information Se	9	KCC Institute	H.NO-191, Str	Delhi	DELHI	Thrust Areas	705
Dr. S PRADEEP	pradeep,sunkari87@gmail.com	9912204100	Associate Professor	COMPUTER	6	BHOJ REDDY	Santosh Nagar	Hyderabad	TELANGANA		705
Mis. Manthera Deepthi	manthens.deepthi@gmail.com	9642629966	Assistant Professor	IT	9			ADDRESS DESCRIPTION	TELANGANA	Samuel Control of the	703
Mr. Narendra Pal Singh Rathore	nurerdrasingh@acropolis.in	9827638759	Assistant Professor	CSE	12		C/O B. L. Gar		MADHYA PR		705
Mrs. Padmini kuppela	pedmini24u@gmail.com	9985102051	Associate Professor	Software engin	12	A CONTRACTOR OF THE PARTY OF TH	Flat 503,c bloc		TELANGANA		705
Mr. Raghavendar Raju L	iraghavendermju@gmail.com	9963693686	Assistant Professor	CSE	14		15-1-486, Said	WW. Soonie	TELANGAN		705
Mr. AMARAVARAPU PRAMOD KUM	g pramod@matrusri.edu.in	7013484260	Assistant Professor	COMPUTER	12		H.O.NO 11-14		TELANGANA	6-9/AUT 110 120 12	705
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Mr. Praveen Sundra Kumar N	npsk 2020@gmail.com	9003350577	Assistant Professor	Computer Sci			a 1/290, Then K		AND DESCRIPTION OF THE PARTY OF	Thrust Areas	705
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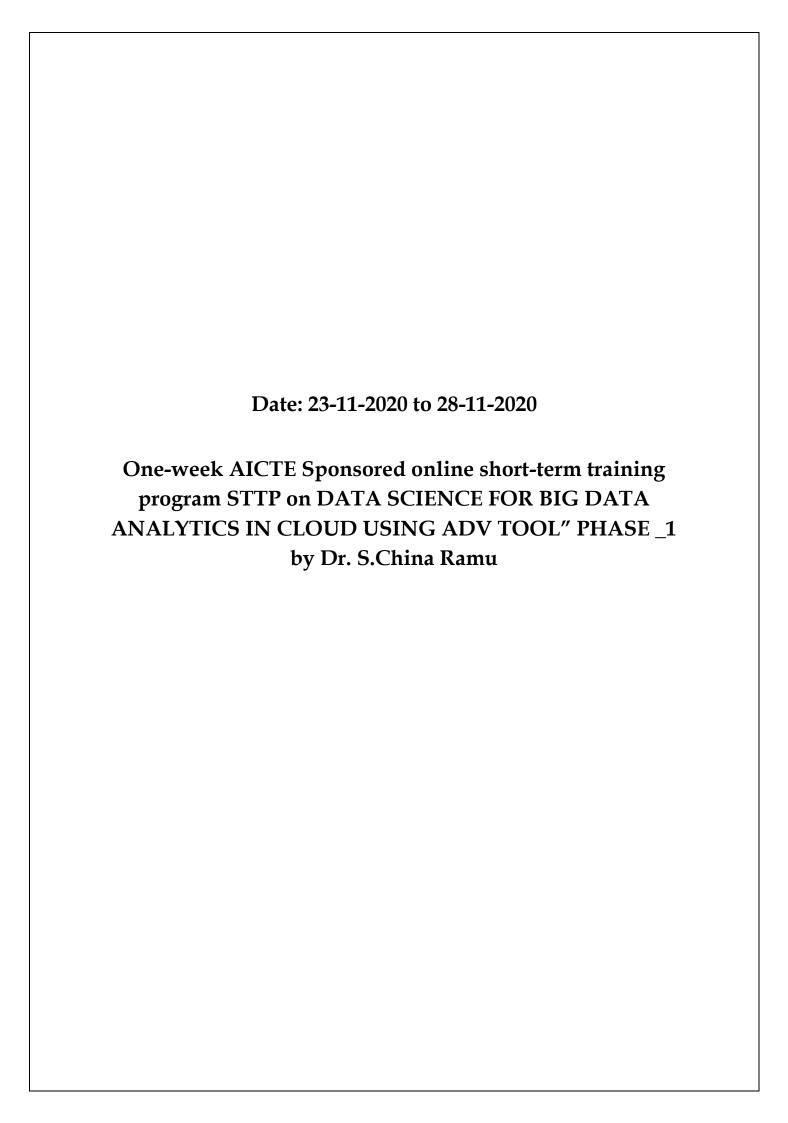
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CO-COORDINATORS

- DI

Dr. E PADMALATHA Assistant Professor, Department of CSE

Mr. B SATEESH Assistant Professor, Department of CSE Registration Fee Free

IMPORTANT DATES (Phose - I)

Last date for Registration : 19-11-2020 Intimation of extention : 21-11-2020

IMPORTANT DATES (Phase - II)

Last date for Registration : 10-12-2020 Intimation of selection : 12-12-2020

HOW TO APPLY

The applicants should fill the Registration Form through Google Forms using below link

Selection is based on first-come-first-serve basis and will be informed through mail.

A test will be conducted at the end of the program and E-certificates will be issued (by AICTE & conducting institute) to those participants who have attended the program and have scored minimum 60% marks in the test.

FOR FURTHER DETAILS PLEASE CONTACT

E-mail: aictestip\_cse@cbil.ac.in Mobile: 9989404702,9059991788.

REGISTRATION LINK

Phase - I

https://loims.gleAvY849vSdYCUjKGCx5

Phase - II

https://forma.gle/omX6bAsCHA3WkKZdA

CHAITANYA BIJARATHI





AICTE SPONSORED ONLINE SHORT TERM TRAINING PROGRAM (STTP)

on

DATA SCIENCE FOR BIGDATA ANALYTICS IN CLOUD USING ADVANCED TOOLS

Phase - I: 23" to 28" November, 2020 Phase - II: 14" - 19" December, 2020

Organized by

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

#### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)

CBIT, established in the Year 1979, has developed in Four Decades of its journey, as one of the Premier Engineering Institute in INDIA, in Telangena State. The Institute offers Eleven UG and Eleven PG Programs into which Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected holistically to secure Placements in reputed National and Multi-National Industries. Alumni, nearly 25,000 Graduate Engineers, are successfully placed in their Careers and as Entrepreneurs Globally. The Institute has been granted Autonomous Status from the Academic Year 2013-14 convards.



### ABOUT THE DEPARTMENT

The Department of CSE was started in the year 1965 with an Intake of 20. The intake was gradually increased to 160. From this academic

year (i. e. 2020) we have started Two new riogrammes in emerging technologies like B.E. (CSE with Al and ML) with an Intake of 60 and B.E. (CSE with loT. Cyber Security with Blockchain) ofth an intake of 60. Thus, increasing the intake of UG students from 180 to 300. M. Tech programs was started in the year 2002 with an intake of 18 and increased to 36 in 2011. CSE department is a ecognized research center under Camania University. It has centers of excellence in the areas of AlSML, Cyber security, and IOT. The department is having committed and well qualified staff. The intellectual ambiance in CSE Department is conducive to the overall elopment of the students and the discipline of Computer Science and Engineering as a whole. The vision of CSE Department is to become a Centre of Excellence in the field of Computer Science and Engineering that produces Innovative, Skiliful, Society Responsible and Ethical Professionals

#### ABOUT THE FOR

This STTP will enable the participants to acquire knowledge in the data science arena through bigdata analytics and cloud environment without the need to relay on licensed software's. It also intends to enhance the practical skills of the participants in the use of modern analytical tools to explore data science espects with respect to bigdata. The participants will be able to upgrade their teaching-learning skills with the most up-to-date tools and techniques in the bigdata domain and they will also be able to enhance the quality of research publications by integrating their ideas with latest tools in data science via freely available open source resources.

#### TOPICS TO BE COVERED IN STTP

It includes introductory concepts as well as advanced topics in the field of Data Science for Bigdata Analytics in Cloud using Advanced Tools. The following topics will be covered but not limited to:

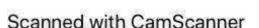
- Introduction to Data Science & Bigdeta Technologies
- Social Media Analytica
- Significance of cloud for bigdata
- NoSQL Databases for Bigdata Analytics
- Bigdata Analytics using R and python
- Spark Streaming
- Industrial Applications & Research Directions in this thrust area

#### **RESOURCE PERSONS**

Resource Persons will be from Renowned Institutions such as ITTVNIT's, Industries like Tata Motors, and host Institution.

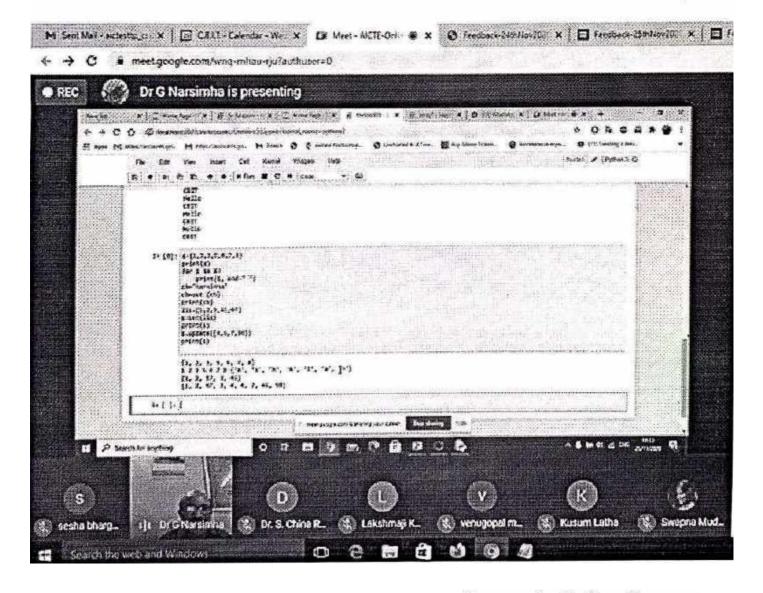
#### ELIGIBILITY

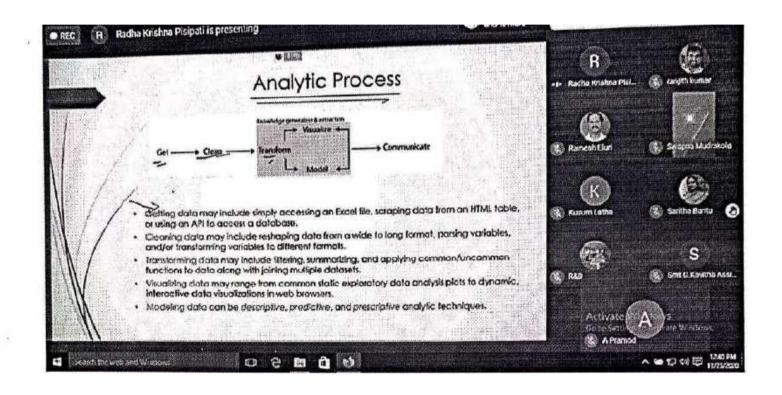
The Faculty members of the AICTE approved Institutions, Research Scholars, PG Scholars, participants from Government, Industry (Bureaucrats / Technicians etc.) and starf of host institutions



Faculty Name			Bro chu re	No of Participa nts (From same Organiza tion and different Organiza tion)	Resource Persons Day wise Schedule	Resource persons List	Funding Agency	Orga nized by Paren t Org/ Other Org	If it's by "AICTE "Please send the letter proof
Dr.S. China Ramu(Coordin ator) Dr.E. Padmalat ha & B. Satoesh(Co- coordinators)	2 0 2 0 - 2 1	DATA SCIENC E FOR BIG DATA ANALY TICS IN CLOUD USING ADV TOOL PHASE	Ye s	65	G.Narsimha T.Venkatesh Dr.T.Santhosh	G.Narsimha T.Venkatesh Dr.T.Santhosh	Zero budget	CBIT	NA
Dr.S.China Ramu(Coordin ator) Dr.E.Padmalat ha & B.Sateesh(Co- coordinators)	2 0 2 0 - 2 1	DATA SCIENC E FOR BIG DATA ANALY TICS IN CLOUD USING ADY TOOL PHASE	Yes	65	G.Narsimha T.Venkatesh Dr.T.Santhosh	G.Narsimha T.Venkatesh Dr.T.Santhosh	Zero	CBIT	NA







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24/11/2020 12:03:47	AMARAVARAPII PRAM	pramod@matrusri.edu.in
	Sujanavan Tiruvayipati	sujanavan_cse@mvsrec.edu.in
24/11/2020 13:12:57		gkavita_cse@cbit.ac.in
	Dr.Suwarna Gothane	suwarnagothane.cse@cmrtc.ac.in
		b.velagaleti@gmail.com
	MURALI KRISHNA A V	
		avmurali002@gmail.com
	MURALI KRISHNA A V	ranjith_cse@mvsrec.edu.in
24/11/2020 13:39:3		
	7 E Bala krishna Manash	
24/11/2020 13:51:3		viharicrrit@gmail.com
	0 M Praveen Kumar	praveenkumar@matrusri.edu.in
	9 Gunda shyama chandr	
24/11/2020 14:37:1		dr.parthi2009@gmail.com
24/11/2020 14:43:2		rashmi.tv@eastpoint.ac.in
24/11/2020 14:44:1		rashmi.tv@eastpoint.ac.in
	7 M Praveen Kumar	praveenkumar@matrusri.edu.in
25/11/2020 11:08:0		gkavitha_cse@cbit.ac.in
The state of the s	6 T.SUVARNA KUMARI	suvarnakumarit@gmail.com
25/11/2020 14:19:2	The state of the s	rashmi.tv@eastpoint.ac.in
	22 S Venkata Sai Kumar	svsaikumar@svcp.edu.in
	M V L N VENUGOPAL	The state of the s
25/11/2020 14:19:2		dr.parthi2009@gmail.com
25/11/2020 14:20:3	33 G S Prasada Reddy	gsprasad.reddy56@gmail.com
25/11/2020 14:23:		vaishnavibalajivit@gmail.com
25/11/2020 14:24:2		shalini8881@matrusri.edu.in
25/11/2020 14:26:	39 ravindra pappula	ravindrap@matrusri.edu.in
25/11/2020 14:27:		mandaswapnareddy@gmail.com
25/11/2020 14:36:	04 E Bala Krishna Manas	h Krishnamanash@gmail.com
25/11/2020 14:42:	39 Kotla Lakshmaji	kotlalakshmaji@gmail.com
	50 P VIJAYAPAL REDDY	drpvijayapalreddy@gmail.com
25/11/2020 14:59:		eluri.r@gmail.com
25/11/2020 14:59:	30 V. Chandra Sekhar	chandrasekharcse@matrusri.edu.in
25/11/2020 15:00:	12 Eluri Ramesh	eluri.r@gmail.com AMpramod@matrusri.edu.in

25/11/2020 15:05:17 M Praveen I	Kumar praveenkumar@matrusri.edu.in
25/11/2020 15:18:33 kusumalatha	a karre kusumalatha.karre@gmail.com
25/11/2020 15:30:23 Jhashuva U	dayagiri joshua537.nit@gmail.com
25/11/2020 15:39:08 N Shivakum	ar shivakumar760@matrusri.edu.in
25/11/2020 15:41:00 Aruna Jyothi	i Talari jyothitimothy@gmail.com
25/11/2020 16:00:03 Gulipalli Viha	ari viharicrrit@gmail.com
25/11/2020 16:04:37 V VINAY KU	IMAR Vinaycse2012@gmail.com
25/11/2020 16:05:08 V VINAY KU	

Timestamp	Your name	Your email address
25/11/2020 14:24:38	Parthiban P	dr.parthi2009@gmail.com
25/11/2020 14:25:07	K Shalini	shalini8881@matrusri.edu.in
25/11/2020 14:25:57	ravindra pappula	ravindrap@matrusri.edu.in
25/11/2020 14:25:58	K Shalini	shalini8881@matrusri.edu.in
25/11/2020 14:28:22		mandaswapnareddy@gmail.com
25/11/2020 14:34:13	E Bala Krishna manash	Krishnamanash@gmail.com
25/11/2020 14:36:59	Gulipalli Vihari	viharicrrit@gmail.com
25/11/2020 14:47:12	Kotla Lakshmaji	kotlalakshmaji@gmail.com
25/11/2020 14:59:45	P VIJAYAPAL REDDY	drpvijayapalreddy@gmail.com
25/11/2020 15:00:03	V. Chandra Sekhar	chandrasekharcse@matrusri.edu.in
25/11/2020 15:01:12	AMARAVARAPU PRAM	pramod@matrusri.edu.in
25/11/2020 15:05:59	M Praveen Kumar	praveenkumar@matrusri.edu.in
25/11/2020 15:16:42	A COLUMN ASSESSMENT OF THE PARTY OF THE PART	vaishnavibalajivit@gmail.com
25/11/2020 15:17:26	Rashmi T V	rashmi.tv@eastpoint.ac.in
25/11/2020 15:20:23	kusumalatha karre	kusumalatha.karre@gmail.com
25/11/2020 15:40:10	N Shivakumar	shivakumar760@matrusri.edu.in
25/11/2020 15:41:43	Aruna Jvothi Talari	Jyothitimothy@gmail.com
25/11/2020 16:03:37	V VINAY KUMAR	Vinaycse2012@gmail.com
25/11/2020 19:11:27		praveenkumar@matrusri.edu.in

Timestamp	Name	email-id
26/11/2020 15:04:32	kusumalatha karre	kusumalatha.karre@gmail.com
26/11/2020 15:04:51	S Venkata Sai Kuma	r svsaikumar@svcp.edu.in
26/11/2020 15:04:56	T.SUVARNA KUMAF	(I suvarnakumant@gmaii.com
26/11/2020 15:04:56	M V L N VENUGOPA	L mudumbay@yando.com
26/11/2020 15:05:02	Dr.Suwarna Gothane	suwarnagothane.cse@cmirc.ac.iii
26/11/2020 15:06:06	Rashmi T V	rashmi.tv@eastpoint.ac.in
26/11/2020 15:06:09	Loveneet Mishra	mishraloveneet@gmail.com
26/11/2020 15:06:14	M SWAPNA	mandaswapnareddy@gmail.com
26/11/2020 15:06:40	SESHA BHARGAVI V	Elb.velagaleti@gmail.com
26/11/2020 15:06:45		shalini8881@matrusri.edu.in
26/11/2020 15:10:39 F		dr.parthi2009@gmail.com
26/11/2020 15:10:54	MARAVARAPU PRA	Mpramod@matrusri.edu.in
26/11/2020 15:11:33 F		rashmi.tv@eastpoint.ac.in
26/11/2020 15:12:47 K		shalini8881@matrusri.edu.in
26/11/2020 15:13:39 J		joshua537.nit@gmail.com
26/11/2020 15:15:08 G		gsprasad.reddy56@gmail.com
26/11/2020 15:15:30 kg	otla lakshmaji	kotlalakshmaji@gmail.com
26/11/2020 15:16:03 G	Julipalli Vihari	viharicrrit@gmail.com
26/11/2020 15:16:59 V	.Chandra Sekhar	chandrasekharcse@matrusri.edu.in
26/11/2020 15:17:32 Va	aishnavi B	vaishnavibalajivit@gmail.com
26/11/2020 15:17:59 S	wapna Mudrakola	swapna0801@gmail.com
26/11/2020 15:22:26 Ai	runa Jyothi Talari	jyothitimothy@gmail.com
26/11/2020 15:27:02 B		ranjith_cse@mvsrec.edu.in
26/11/2020 15:27:44 St	ujanavan Tiruvayipati	sujanavan_cse@mvsrec.edu.in
6/11/2020 15:34:28 Gt	unda shyama chandra	gscprasad@gmail.com
6/11/2020 15:37:38 E	bala krishna manash	Krishnamanash@gmail.com
6/11/2020 15:37:59 M		praveenkumar@matrusri.edu.in
6/11/2020 15:47:24 P		drpvijayapalreddy@gmail.com
6/11/2020 15:52:03 Ra		ravindrap@matrusri.edu.in
6/11/2020 16:04:04 V V		Vinaycse2012@gmail.com
6/11/2020 16:45:59 Elu		eluri.r@gmail.com
6/11/2020 17:16:37 N S		shivakumar760@matrusri.edu.in
6/11/2020 19:39:34 M F	Praveen Kumar	oraveenkumar@matrusri.edu.in

Mark Street, St. V.	The state of	Designation	Name of the	THE PERSON NAMED IN		
Timestamp	Name of the I	n	organization	Expe	EMail-ID	Contact Number
2020/11/07 5:25:3 PM GMT+5:30	9 ASIM AHMED	T.A	Chaitanya Bharathi Institute of Technology	2 mo	ugs17146_ cse.asim@c bit.org.in	916099372
2020/11/08 12:32:05 PM GMT+5:30	Dr. JNANESH	ASSISTAN T PROFESSO	OF		jnan_pai@ nitte.edu.in	988667961
2020/11/09 6:23:33 PM GMT+5:30			Jayamukhi Institute of Technological Sciences,		nareshbod dulas@gma	
TW 0W175.50	BODDULA NA	ASST.prof	Narsampet	13	il.com	994969249
2020/11/09 7:31:25 PM GMT+5:30	S.Radharani	Research scholar	Osmania university	21	ramsmcaou @gmail.co	9912235358
2020/11/11 8:49:28 AM GMT+5:30	S Venkata Sai	Associate	Shri Vishnu College of Pharmacy	15	svsaikumar @svcp.edu.	955045835
2020/11/11 9:27:38 AM GMT+5:30	KALLETLA SUN	Assistant Professor	Mahatma Gandhi Institute of Technology	14 ye	ksunitha_cs e@mgit.ac. in	996368407
2020/11/11 .0:27:18 AM SMT+5:30	M.Supriya	Associate professor	Swami Vivekananda institute of technology		supriyasam uel@yahoo	9885430909
020/11/11 0:36:39 AM iMT+5:30	SARITHA Bantu	Associate professor	MVSR ENGINEERING COLLEGE/Osmani		bsaritha_cs e@mvsrec. edu.in	900080178
020/11/11 0:40:25 AM MT+5:30		Asst.Prof	Maturi Venkata SubbaRao (MVSR) Engineering College		sabitha_cse @mvsrec.e du.in	9989636222
		Ex. 622.0	Maturi Venkata Subba Rao Engineering College		shalinip_cs e@mvsrec. edu.in	
020/11/11 0:59:55 AM MT+5:30	~	Asst.Profe	MVSR Engineering		madhu_cse @mvsrec.e	9030103631
20/11/11	G.MADHU	ssor	College	13	du.in	9985521482
1:02:12 AM	SHYAM SUNDE	Assistant Professor	MGIT		pshyamsun der_cse@ mgit.ac.in	9666660051

2020/11/11 11:07:26 AM GMT+5:30	Akkapalli srini	Associate	50 R (450) H H H H H H H H H	10ye	Sress916@	9491562210
2020/11/11 11:24:59 AM GMT+5:30	AMARAVARA	Assistant	MATRUSRI ENGINEERING		pramod@ matrusri.ed Eu.in	91990889257
2020/11/11 11:26:24 AM GMT+5:30	Toomula Srilat	Assistant professor	RBVRR Women's College	12.4	srilatha.rbv rr2020@g mail.com	970596755
2020/11/11 11:38:33 AM GMT+5:30	Venkataphane	Assistant Professor	Chaitanya Bharathi Institute of Technology, Hyderabad		phanendra babu_eee @cbit.ac.in	8096909999
2020/11/11 11:53:53 AM GMT+5:30	B RANJITH KUI		MVSR ENGINEERING COLLEGE,NADERG UL		ranjith_cse @mvsrec.e du.in	9912104454
2020/11/11 1:35:45 PM GMT+5:30		ASSISTAN T PROFESSO	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)- HYDERABAD		pramesh_ mca@cbit. ac.in	9985145690
2020/11/11 3:31:26 PM GMT+5:30	M. V. L. N. VEN	Ph. D. Scholar	ou	Indus	mudumbav @yahoo.co m	9494929625
020/11/11 4:08:40 M GMT+5:30	Vihari Gulipalli	Assistant Professor	Sir C R Reddy College of Engineering	7,1/2	viharicrrit @gmail.co m	9052190600
020/11/11 5:22:09 M GMT+5:30	ANDRAJU BHA	Associate Professor	Vardhaman College of Engineering, Hyderabad		a.bhanupra sad@vardh aman.org	9885990509
020/11/11 5:36:02 M GMT+5:30	A Sujanavan Tiru P	ssistant E	Maturi Venkata Subba Rao (MVSR) Engineering College	9yrs (	sujanavan_ cse@mvsre c.edu.in	919849916627
020/11/11 6:09:18 M GMT+5:30	A Sadanandam K P		CVR College of Engineering		msg2sada @gmail.co m	9966112436
020/11/11 6:29:26 M GMT+5:30	A Mudrakola swapi				wapna080 L@gmail.co n	9398168896
020/11/11 7:05:41 M GMT+5:30	As ( Naga Maha L Pr	ssistant E	AR Mahaveer ngineering ollege	n	mlakshmi. @gmail.co	8121350256

2020/11/11 7:42:28		Associate	Vidya jyothi Institute of		srinu@vjit.	
PM GMT+5:30	B Srinivasulu	ewsers are call	Technology	15	ac.in	9866487922
2020/11/11 7:54:58 PM GMT+5:30	Dr Ramesh Che	Asst Professor	G Narayanamma Institute of Technology and science	15	ramesh@g nits.ac.in	8121403233
2020/11/11 8:18:46 PM GMT+5:30	Suresh Babu M	Assistant	Vidya Jyothi Institute of Technology		sureshbabu @vjit.ac.in	7658901000
2020/11/11 8:54:58 PM GMT+5:30 2020/11/11	SESHA BHARG	Assistant Professor	G NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCES	14	b.velagaleti @gmail.co	9441418775
10:16:34 PM GMT+5:30	KONDA MANO	Assistant Professor	CVR College of Engineering	2 Yea	ar9999@g mail.com	9704893014
2020/11/12 7:01:28 AM GMT+5:30	Cettymalla Rar	Assistant professor	Vidya Jyothi Institute of Technology	3 Yea	ramki.cm@ gmail.com	919014737303
2020/11/12 8:17:56 AM GMT+5:30	B. Manjulatha	Assistant	Vignana Bharathi Institute of Technology	10	manjulatha @vbithyd.a c.in	7893922987
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2020/11/12 3:11:17 PM GMT+5:30		Associate Professor	East Point College of Engineering and technology	1.1/9	shanker.gn sh@gmail.c om	900825032
2020/11/12 5:06:38 PM GMT+5:30			Chaitanya Bharathi Institute of Technology	NA	bharathku marreddy.p utluru@gm ail.com	91770225207
2020/11/12 6:27:21 PM GMT+5:30	Anitha Ramate	Student	Chaitanya Bharathi Institute of Technology	NA	ranitha353 @gmail.co m	995183391
2020/11/12 8:09:47 PM GMT+5:30		Research scholar	Acharya Nagarjuna t	7	ranganathp onnaboyina @gmail.co	800866769
2020/11/13 1:49:31 PM GMT+5:30		Assistant	Matrusri Engineering College	7	chandrasek harcse@m atrusri.edu.	996666135

2020/11/13 1:54:5 PM GMT+5:30	3 Ravindra Pap	Assistant p Professor	Matrusri Engineering college	1	ravindrap@ matrusri.ed 0 u.in	939515353
2020/11/13 1:56:3 PM GMT+5:30		Asst. Programn	Matrusri n engineering college		kotansudhe er@gmail.c 2 om	891938952
2020/11/13 2:01:40 PM GMT+5:30	6 Merugu Pravo	Assistant Professor	Matrusri Engineering College	Tead	praveenku mar@matr trusri.edu.in	995982727
2020/11/13 2:14:28 PM GMT+5:30	K. Shalini	Assistant Professor	Matrusri Engineering College	12	shalini8881 @matrusri. ! edu.in	9963127169
2020/11/13 2:25:36 PM GMT+5:30	M SWAPNA	Assistant Professor	MATRUSRI ENGINEERING COLLEGE	12	mandaswa pnareddy@ gmail.com	9247467966
2020/11/13 2:40:29 PM GMT+5:30	NANGUNURI S	Assistant Professor	Matrusri Engineering College	6 уеа	shivakumar 760@matr usri.edu.in	8008832804
2020/11/13 2:55:42 PM GMT+5:30	Gunda shyama	Associate a professor	Matrusri Engineering College	21	gscprasad @gmail.co m	9849244986
2020/11/17 11:03:32 AM GMT+5:30	C N V B R SRI (	ASSISTAN T PROFESSO	CBIT(A), HYDERABAD	Tana	gowrinath_ mca@cbit.	0401116159
2020/11/17 6:06:55 PM GMT+5:30		Bsc.CS	Sankara college of science and		Susmithara mesh@14g mail.com	9491116158 7904259940
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020/11/19 1:37:44 M GMT+5:30	Kavita Goura		Chaitanya Bharathi institute of technology	Victoria de la constanta de la	gkavita_cse @cbit.ac.in	9885117207
020/11/19 6:51:48 M GMT+5:30	V-7500 C-77-A-1	Associate	Swami Vivekananda institute of technology		supriyasam uel@yahoo .com	9885430909
020/11/19 4:41:04 M GMT+5:30		Asst.profe ssor	Cbit HYDERABAD		amohan_cs e@cbit.ac.i n	9666992628
	manager and a little of the control		/ardhaman		swapna080 1@gmail.co m	9398168886
020/11/20 0:03:04 AM MT+5:30	( Sunil Manoh i	Associate E	Matrusri Engineering College		smr@matr usri.edu.in	9866482481

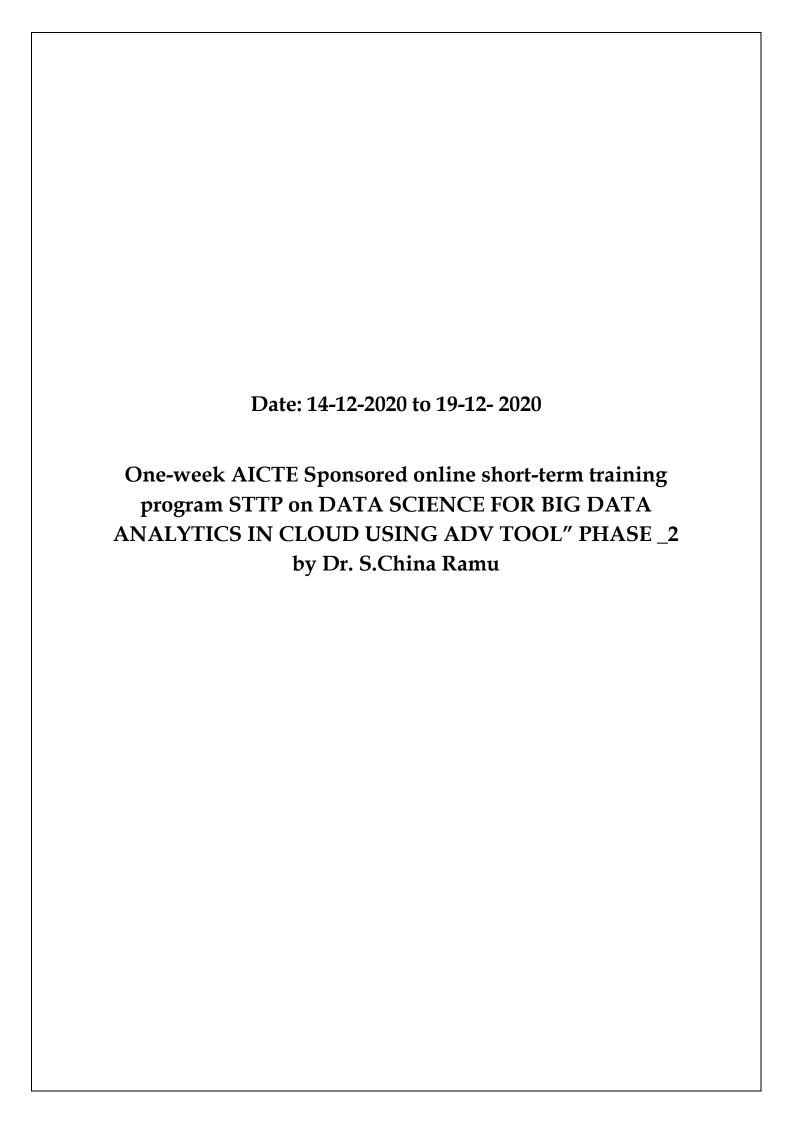
2020/11/20 3:50:50 PM GMT+5:30	Dr. Vijayakum	Assistant a Professor	Kakatiya Institute of Technology & Science	12	vijay.cse@k itsw.ac.in	889797182
2020/11/20 4:02:20 PM GMT+5:30	M.Supriya	Associate professor	Swami Vivekananda institute of technology	20	supriyasam uel@yahoo .com	988543090
2020/11/20 8:44:27 PM GMT+5:30	P.Vishalini	Lecturer	Singareni Collieries Women's Degree and Pg College	10	k.vishalini1 @gmail.co m	964202956
2020/11/20 8:46:53 PM GMT+5:30	A.DEVAKI	Assistant Professor	Singareni Collieries Women's Degree and PG College	Teacl	a.devaki20 08@gmail.c	853964732
2020/11/21 3:29:54 PM GMT+5:30	Aruna Jyothi T	Asst.profe	Matrusri Engineering College	8	jyothitimot hy@gmail.c om	9966008891
2020/11/22 11:52:54 AM GMT+5:30	G S PRASADA	Assistant Eprofessor	Vardhaman College of Engineering	8	gsprasad.re ddy56@gm ail.com	7032901205
2020/11/24 9:03:00 PM GMT+5:30	Baddam Indira	Assistant Professor	Chaitanya Bharathi Institute Technology, Gandipet, Hyderabad	24	bindira_mc a@cbit.ac.i n	9848952195
2020/11/24 9:09:38 PM GMT+5:30	Dr. Keshetti Sr	Assistant professor	Mahatma Gandhi Institute of Technology	Teach	ksrikala_cs e@mgit.ac. in	9959408221
2020/11/26 3:46:33 PM GMT+5:30	Divya Nishant	Deputy Engineer	Central Electronics Limited (Government of India Enterprise, CPSU)		divynishant 9@gmail.co m	9899556764
2020/12/11 12:51:42 PM GMT+5:30	B Srinivasa S P	Assistant Professor	CBIT	Teach	bsrinivas_ mca@cbit. ac.in	8555007901
2020/12/11 12:51:42 PM GMT+5:30	E Swathi	Assistant Professor	СВІТ		eswathi_cs e@cbit.ac.i n	ν.

# 4.AICTE STTP PHASE -1 RECORDING LINKS

- i. https://drive.google.com/file/d/1w0QYzSdI5S3OpIBguVAb0XmnZxLz3rsp/view
  - ii. https://drive.google.com/file/d/1FocQ6mGhRHfdp7vfdWkHNe5SJk3ubA1n/view

# 5.AICTE STTP PHASE -2 RECORDING LINKS

- i. https://drive.google.com/file/d/1MC6gIqYD\_z0acgidqzb0e8GtMSN4WBnY/view
- ii. https://drive.google.com/file/d/1d CaBALSroxFMFzvVvKNe6BXcEPtY0af/view



CHIEF PATRON

Kayl Kireeli Dr. V MALAKONDA REDDY

President, CBIY

PROGRAM MONITORING COMMITTEE (PMC)

Prof. G. P. SARADHI VARNA (Chairman) Prindral CBIT

Prof. Y. RAMA DEVI (Member) Head, Department of CSE

Prof. P. SURESH (Member) Director, IQAC

Prof. D L 3 REEDY (Member) Head, Department of MCA

Prof. CHINA RAMU SAMPATHIRAO (Coordinator & Member secretary-PMC) Department of CSE

Dr. SANGEETA GUPTA, (Coordinator & Subject Expert) Assoc. Professor, Department of CSE

CO-COORDINATORS

- DI

Dr. E PADMALATHA Assistant Professor, Department of CSE

Mr. B SATEESH Assistant Professor, Department of CSE Registration Fee Free

IMPORTANT DATES (Phose - I)

Last date for Registration : 19-11-2020 Intimation of existing : 21-11-2020

IMPORTANT DATES (Phase - II)

Last date for Registration : 10-12-2020 Intimation of selection : 12-12-2020

HOW TO APPLY

The applicants should fill the Registration Form through Google Forms using below link

Selection is based on first-come-first-serve basis and will be informed through mail.

A test will be conducted at the end of the program and E-certificates will be issued (by AICTE & conducting institute) to those participants who have attended the program and have scored minimum 60% marks in the test.

FOR FURTHER DETAILS PLEASE CONTACT

E-mail: aictestip\_cse@cbil.ac.in Mobile: 9989404702,9059991788.

REGISTRATION LINK

Phase - I

https://loims.gleAvY849vSdYCUjKGCx5

Phase - II

https://forma.gle/omX6bAsCHASWkKZdA

CHAITANYA SHARATHI





AICTE SPONSORED ONLINE SHORT TERM TRAINING PROGRAM (STTP)

on

DATA SCIENCE FOR BIGDATA ANALYTICS IN CLOUD USING ADVANCED TOOLS

Phase — I: 23" to 28" November, 2020 Phase — II: 14" — 19" December, 2020

Organized by

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)

CBIT, established in the Year 1979, has developed in Four Decades of its journey, as one of the Premier Engineering Institute in INDIA, in Telangsea State. The Institute offers Elevan UG and Elevan PG Programs into which Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected holistically to secure Placements in reputed holistically to secure Placements in reputed National and Multi-National Industries. Alumni, nearly 25,000 Graduate Engineers, are successfully placed in their Careers and as Entrepreneurs Globally. The Institute has been granted Autonomous Status from the Academic Year 2013-14 onwards.



### ABOUT THE DEPARTMENT

The Department of CSE was started in the year 1965 with an Intake of 20. The intake was gradually increased to 160. From this academic

year (i. e. 2020) we have started Two new riogrammes in emerging technologies like B.E. (CSE with Al and ML) with an Intake of 60 and B.E. (CSE with loT. Cyber Security with Blockchain) ofth an intake of 60. Thus, increasing the intake of UG students from 180 to 300. M. Tech programs was started in the year 2002 with an intake of 18 and increased to 36 in 2011. CSE department is a ecognized research center under Camania University. It has centers of excellence in the areas of AlSML, Cyber security, and IOT. The department is having committed and well qualified staff. The intellectual ambiance in CSE Department is conducive to the overall elopment of the students and the discipline of Computer Science and Engineering as a whole. The vision of CSE Department is to become a Centre of Excellence in the field of Computer Science and Engineering that produces Innovative, Skiliful, Society Responsible and Ethical Professionals

### ABOUT THE FOR

This STTP will enable the participants to acquire knowledge in the data science arena through bigdata analytics and cloud environment without the need to relay on licensed software's. It also intends to enhance the practical skills of the participants in the use of modern analytical toots to explore data science espects with respect to bigdata. The participants will be able to upgrade their teaching-learning skills with the most up-to-date toots and techniques in the bigdata domain and they will also be able to enhance the quality of research publications by integrating their ideas with latest toots in data science via freely available open source resources.

### TOPICS TO BE COVERED IN STTP

It includes introductory concepts as well as advanced topics in the field of Data Science for Bigdata Analytics in Cloud using Advanced Tools. The following topics will be covered but not limited to:

- Introduction to Data Science & Bigdata Technologies
- Social Media Analytica
- Significance of cloud for bigdata
- NoSQL Databases for Bigdata Analytics
- Bigdata Analytics using R and python
- Spark Streaming
- Industrial Applications & Research Directions in this thrust area

### **RESOURCE PERSONS**

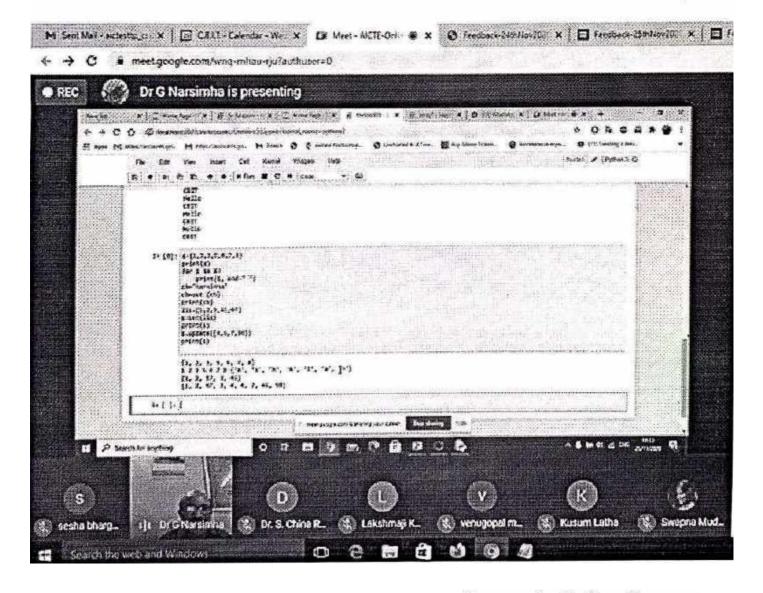
Resource Persons will be from Renowned Institutions such as ITTVNIT's, Industries like Tata Motors, and host Institution.

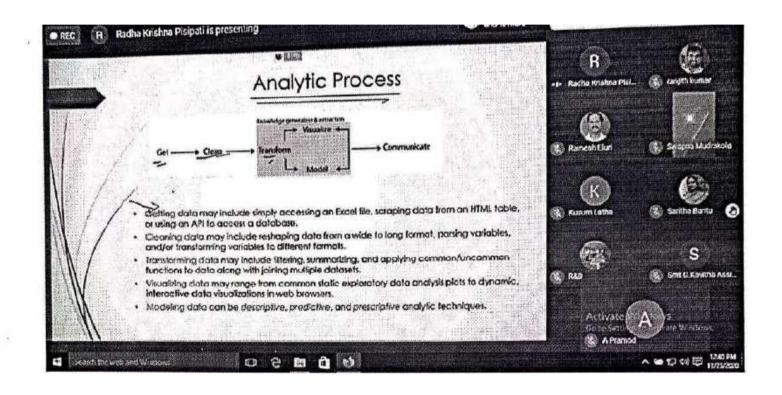
### ELIGIBILITY

The Faculty members of the AICTE approved Institutions, Research Scholars, PG Scholars, participants from Government, Industry (Bureaucrats / Technicians etc.) and staff of host institutions

Faculty Name			Bro chu re	No of Participa nts (From same Organiza tion and different Organiza tion)	Resource Persons Day wise Schedule	Resource persons List	Funding Agency	Orga nized by Paren t Org/ Other Org	If it's by "AICTE "Please send the letter proof
Dr.S. China Ramu(Coordin ator) Dr.E. Padmalat ha & B. Satoesh(Co- coordinators)	2 0 2 0 - 2 1	DATA SCIENC E FOR BIG DATA ANALY TICS IN CLOUD USING ADV TOOL PHASE	Ye s	65	G.Narsimha T.Venkatesh Dr.T.Santhosh	G.Narsimha T.Venkatesh Dr.T.Santhosh	Zero budget	CBIT	NA
Dr.S.China Ramu(Coordin ator) Dr.E.Padmalat ha & B.Sateesh(Co- coordinators)	2 0 2 0 - 2 1	DATA SCIENC E FOR BIG DATA ANALY TICS IN CLOUD USING ADV TOOL PHASE	Yes	65	G.Narsimha T.Venkatesh Dr.T.Santhosh	G.Narsimha T.Venkatesh Dr.T.Santhosh	Zero	CBIT	NA







Timestamp	email-id
23/11/2020 11:32:27 Jhashuva Udayagiri	joshua537.nit@gmail.com
23/11/2020 11:32:47 A V MURALI KRISHN	A avmurali002@matrusri edu in
23/11/2020 11:33:11 Parthiban P	dr.parthi2009@gmail.com
23/11/2020 11:33:24 M SWAPNA	mandaswapnareddy@gmail.com
23/11/2020 11:33:33 Rashmi T V	rashmi.tv@eastpoint.ac.in
23/11/2020 11:33:42 V VINAY KUMAR	Vinaycse2012@gmail.com
23/11/2020 11:33:55 M. PRAVEEN KUMAR	praveenkumar@matrusri.edu.in
23/11/2020 11:33:55 Nerella sameera	sameeracrrit@gmail.com
23/11/2020 11:33:57 K shalini	shalini8881@matrusri.edu.in
23/11/2020 11:34:17 G S Prasada Reddy	gsprasad.reddy56@gmail.com
23/11/2020 11:34:54 S Venkata Sai Kumar	svsaikumar@svcp.edu.in
23/11/2020 11:35:14 Kotla Lakshmaji	kotlalakshmaji@gmail.com
23/11/2020 11:35:16 Ch Radhika	chukkapalliradhika@gmail.com
23/11/2020 11:35:16 Rashmi T V	rashmi.tv@eastpoint.ac.in
23/11/2020 11:35:54 B RANJITH KUMAR	ranjith_cse@mvsrec.edu.in
23/11/2020 11:36:37 E Bala Krishna Manasi	h krishnamanash@gmail.com
23/11/2020 11:37:17 Vaishnavi B	
23/11/2020 11:37:27 T.SUVARNA KUMARI	vaishnavibalajivit@gmail.com
23/11/2020 11:37:51 Gulipalli Vihari	suvarnakumarit@gmail.com
23/11/2020 11:38:01 AMARAVARAPU PRAI	viharicrrit@gmail.com
23/11/2020 11:38:13 Bharath Kumar Reddy	Dharathkumarraddu putluru@aaail aa
23/11/2020 11:38:56 N Shivakumar	shivakumar760@matrussi adu in
23/11/2020 11:41:07 kusumalatha karre	shivakumar760@matrusri.edu.in
23/11/2020 11:42:00 Aruna Jyothi	kusumalatha.karre@gmail.com jyothitimothy@gmail.com
23/11/2020 11:46:03 V.Chandra Sekhar	chandrasekharcse@matrusri.edu.in
23/11/2020 11:48:58 Ravindra Pappula	ravindrap@matrusri.edu.in
23/11/2020 11:55:18 V UDAY KUMAR	uday009u@kluniversity.in
23/11/2020 11:55:31 ANDRAJU BHANU PR/	a bhanuprasad@yardhaman ara
23/11/2020 12:00:38 P Vijaya Pal Reddy	drpvijayapalreddy@gmail.com
23/11/2020 12:09:26 M V L N VENUGOPAL	mudumbay@yaboo.com
23/11/2020 12:26:25 G shyama chamdra pra	gscprasad@gmail.com
23/11/2020 12:49:08 Eluri Ramesh	eluri.r@gmail.com
23/11/2020 14:13:57 Isha Padhy	ishapadhy_cse@cbit.ac.in
23/11/2020 14:14:23 B.Manjulatha	manjulatha@vbithyd.ac.in
23/11/2020 14:15:02 S Venkata Sai Kumar	svsaikumar@svcp.edu.in
23/11/2020 14:17:13 GULIPALLI VIHARI	viharicrrit@gmail.com
23/11/2020 14:17:47 Sadanandam Kalvala	msg2sada@gmail.com
23/11/2020 14:27:57 Kotla Lakshmaji	kotlalakshmaji@gmail.com
23/11/2020 14:29:56 Kotla Lakshmali	kotlalakshmaji@amajl.com
23/11/2020 14:46:50 SESHA BHARGAVI VE	b.velagaleti@gmail.com
23/11/2020 15:00:07 Rashmi TV	rashmi.tv@eastpoint.ac.in
23/11/2020 15:01:17 B RANJITH KUMAR	ranjith_cse@mvsrec.edu.in
23/11/2020 15:19:26 Dr M SURSH BABU	principaliis@rediff.com
24/11/2020 11:04:25 Rashmi T V	rashmi.tv@eastpoint.ac.in
24/11/2020 12:40:46 G.Kavitha	gkavitha_cse@cbit.ac.in
25/11/2020 10:42:36 Rashmi T V	rashmi.tv@eastpoint.ac.in
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5 444 4 10 000 4 D. E 4-00	C Venkata Sal Kumar	svsaikumar@svcp.edu.in
24/11/2020 12:54:30	UDAYAGIRI JHASHUVA	joshua537.nit@gmail.com
24/11/2020 12:55:08	MVLNVENUGOPAL	mudumbav@yanoo.com
24/11/2020 12:55:51	M SWAPNA	mandaswapnareddy@gmail.com
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24/11/2020 12:59:23		Shivakumar760@matrusri.edu.in
24/11/2020 12:59:47		vaishnavibalajivit@gmail.com
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	Sujanavan Tiruvayipati	sujanavan_cse@mvsrec.edu.in
24/11/2020 13:12:57		gkavita_cse@cbit.ac.in
	Dr.Suwarna Gothane	suwarnagothane.cse@cmrtc.ac.in
		b.velagaleti@gmail.com
	MURALI KRISHNA A V	
		avmurali002@gmail.com
	MURALI KRISHNA A V	ranjith_cse@mvsrec.edu.in
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	7 E Bala krishna Manash	
24/11/2020 13:51:3		viharicrrit@gmail.com
	0 M Praveen Kumar	praveenkumar@matrusri.edu.in
	9 Gunda shyama chandr	
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24/11/2020 14:43:2		rashmi.tv@eastpoint.ac.in
24/11/2020 14:44:1		rashmi.tv@eastpoint.ac.in
	7 M Praveen Kumar	praveenkumar@matrusri.edu.in
25/11/2020 11:08:0		gkavitha_cse@cbit.ac.in
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25/11/2020 14:19:2	The state of the s	rashmi.tv@eastpoint.ac.in
	22 S Venkata Sai Kumar	svsaikumar@svcp.edu.in
	M V L N VENUGOPAL	The state of the s
25/11/2020 14:19:2		dr.parthi2009@gmail.com
25/11/2020 14:20:3	33 G S Prasada Reddy	gsprasad.reddy56@gmail.com
25/11/2020 14:23:		vaishnavibalajivit@gmail.com
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	50 P VIJAYAPAL REDDY	drpvijayapalreddy@gmail.com
25/11/2020 14:59:		eluri.r@gmail.com
25/11/2020 14:59:	30 V. Chandra Sekhar	chandrasekharcse@matrusri.edu.in
25/11/2020 15:00:	12 Eluri Ramesh	eluri.r@gmail.com AMpramod@matrusri.edu.in

25/11/2020 15:05:17 M Praveen I	Kumar praveenkumar@matrusri.edu.in
25/11/2020 15:18:33 kusumalatha	a karre kusumalatha.karre@gmail.com
25/11/2020 15:30:23 Jhashuva U	dayagiri joshua537.nit@gmail.com
25/11/2020 15:39:08 N Shivakum	ar shivakumar760@matrusri.edu.in
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25/11/2020 14:25:57	ravindra pappula	ravindrap@matrusri.edu.in		
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25/11/2020 14:28:22		mandaswapnareddy@gmail.com		
25/11/2020 14:34:13	E Bala Krishna manash	Krishnamanash@gmail.com		
25/11/2020 14:36:59	Gulipalli Vihari	viharicrrit@gmail.com		
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25/11/2020 15:01:12	AMARAVARAPU PRAM	pramod@matrusri.edu.in		
25/11/2020 15:05:59	M Praveen Kumar	praveenkumar@matrusri.edu.in		
25/11/2020 15:16:42	A COLUMN ASSESSMENT OF THE PARTY OF THE PART	vaishnavibalajivit@gmail.com		
25/11/2020 15:17:26	Rashmi T V	rashmi.tv@eastpoint.ac.in		
25/11/2020 15:20:23	kusumalatha karre	kusumalatha.karre@gmail.com		
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25/11/2020 15:41:43	Aruna Jvothi Talari	Jyothitimothy@gmail.com		
25/11/2020 16:03:37	V VINAY KUMAR	Vinaycse2012@gmail.com		
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Timestamp	Name	email-id
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26/11/2020 15:04:56	M V L N VENUGOPA	L mudumbay@yando.com
26/11/2020 15:05:02	Dr.Suwarna Gothane	suwarnagothane.cse@cmirc.ac.iii
26/11/2020 15:06:06	Rashmi T V	rashmi.tv@eastpoint.ac.in
26/11/2020 15:06:09	Loveneet Mishra	mishraloveneet@gmail.com
26/11/2020 15:06:14	M SWAPNA	mandaswapnareddy@gmail.com
26/11/2020 15:06:40	SESHA BHARGAVI V	Elb.velagaleti@gmail.com
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6/11/2020 15:37:38 E	bala krishna manash	Krishnamanash@gmail.com
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6/11/2020 15:47:24 P		drpvijayapalreddy@gmail.com
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6/11/2020 16:04:04 V V		Vinaycse2012@gmail.com
6/11/2020 16:45:59 Elu		eluri.r@gmail.com
6/11/2020 17:16:37 N S		shivakumar760@matrusri.edu.in
6/11/2020 19:39:34 M F	Praveen Kumar	oraveenkumar@matrusri.edu.in

Mark Street, St. V.	The state of	Designation	Name of the	THE PERSON NAMED IN		
Timestamp	Name of the I	n	organization	Expe	EMail-ID	Contact Number
2020/11/07 5:25:3 PM GMT+5:30	9 ASIM AHMED	T.A	Chaitanya Bharathi Institute of Technology	2 mo	ugs17146_ cse.asim@c bit.org.in	916099372
2020/11/08 12:32:05 PM GMT+5:30	Dr. JNANESH	ASSISTAN T PROFESSO	OF		jnan_pai@ nitte.edu.in	988667961
2020/11/09 6:23:33 PM GMT+5:30			Jayamukhi Institute of Technological Sciences,		nareshbod dulas@gma	
TW 0W175.50	BODDULA NA	ASST.prof	Narsampet	13	il.com	994969249
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2020/11/11 8:49:28 AM GMT+5:30	S Venkata Sai	Associate	Shri Vishnu College of Pharmacy	15	svsaikumar @svcp.edu.	955045835
2020/11/11 9:27:38 AM GMT+5:30	KALLETLA SUN	Assistant Professor	Mahatma Gandhi Institute of Technology	14 ye	ksunitha_cs e@mgit.ac. in	996368407
2020/11/11 .0:27:18 AM SMT+5:30	M.Supriya	Associate professor	Swami Vivekananda institute of technology		supriyasam uel@yahoo	9885430909
020/11/11 0:36:39 AM iMT+5:30	SARITHA Bantu	Associate professor	MVSR ENGINEERING COLLEGE/Osmani		bsaritha_cs e@mvsrec. edu.in	900080178
020/11/11 0:40:25 AM MT+5:30		Asst.Prof	Maturi Venkata SubbaRao (MVSR) Engineering College		sabitha_cse @mvsrec.e du.in	9989636222
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20/11/11	G.MADHU	ssor	College	13	du.in	9985521482
1:02:12 AM	SHYAM SUNDE	Assistant Professor	MGIT		pshyamsun der_cse@ mgit.ac.in	9666660051

2020/11/11 11:07:26 AM GMT+5:30	Akkapalli srini	Associate	50 R (450) H H H H H H H H H	10ye	Sress916@	9491562210
2020/11/11 11:24:59 AM GMT+5:30	AMARAVARA	Assistant	MATRUSRI ENGINEERING		pramod@ matrusri.ed Eu.in	91990889257
2020/11/11 11:26:24 AM GMT+5:30	Toomula Srilat	Assistant professor	RBVRR Women's College	12.4	srilatha.rbv rr2020@g mail.com	970596755
2020/11/11 11:38:33 AM GMT+5:30	Venkataphane	Assistant Professor	Chaitanya Bharathi Institute of Technology, Hyderabad		phanendra babu_eee @cbit.ac.in	8096909999
2020/11/11 11:53:53 AM GMT+5:30	B RANJITH KUI		MVSR ENGINEERING COLLEGE,NADERG UL		ranjith_cse @mvsrec.e du.in	9912104454
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020/11/11 4:08:40 M GMT+5:30	Vihari Gulipalli	Assistant Professor	Sir C R Reddy College of Engineering	7,1/2	viharicrrit @gmail.co m	9052190600
020/11/11 5:22:09 M GMT+5:30	ANDRAJU BHA	Associate Professor	Vardhaman College of Engineering, Hyderabad		a.bhanupra sad@vardh aman.org	9885990509
020/11/11 5:36:02 M GMT+5:30	A Sujanavan Tiru P	ssistant E	Maturi Venkata Subba Rao (MVSR) Engineering College	9yrs (	sujanavan_ cse@mvsre c.edu.in	919849916627
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020/11/11 7:05:41 M GMT+5:30	As ( Naga Maha L Pr	ssistant E	AR Mahaveer ngineering ollege	n	mlakshmi. @gmail.co	8121350256

2020/11/11 7:42:28		Associate	Vidya jyothi Institute of		srinu@vjit.	
PM GMT+5:30	B Srinivasulu	ewsers are call	Technology	15	ac.in	9866487922
2020/11/11 7:54:58 PM GMT+5:30	Dr Ramesh Che	Asst Professor	G Narayanamma Institute of Technology and science	15	ramesh@g nits.ac.in	8121403233
2020/11/11 8:18:46 PM GMT+5:30	Suresh Babu M	Assistant	Vidya Jyothi Institute of Technology		sureshbabu @vjit.ac.in	7658901000
2020/11/11 8:54:58 PM GMT+5:30 2020/11/11	SESHA BHARG	Assistant Professor	G NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCES	14	b.velagaleti @gmail.co	9441418775
10:16:34 PM GMT+5:30	KONDA MANO	Assistant Professor	CVR College of Engineering	2 Yea	ar9999@g mail.com	9704893014
2020/11/12 7:01:28 AM GMT+5:30	Cettymalla Rar	Assistant professor	Vidya Jyothi Institute of Technology	3 Yea	ramki.cm@ gmail.com	919014737303
2020/11/12 8:17:56 AM GMT+5:30	B. Manjulatha	Assistant	Vignana Bharathi Institute of Technology	10	manjulatha @vbithyd.a c.in	7893922987
2020/11/12 2:33:42 PM GMT+5:30		ASSISTAN T	EAST POINT COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU	16YE	kesavan.mv @gmail.co	974209908
2020/11/12 3:11:17 PM GMT+5:30		Associate Professor	East Point College of Engineering and technology	1.1/9	shanker.gn sh@gmail.c om	900825032
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2020/11/12 8:09:47 PM GMT+5:30		Research scholar	Acharya Nagarjuna t	7	ranganathp onnaboyina @gmail.co	800866769
2020/11/13 1:49:31 PM GMT+5:30		Assistant	Matrusri Engineering College	7	chandrasek harcse@m atrusri.edu.	996666135

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2020/11/13 2:01:40 PM GMT+5:30	6 Merugu Pravo	Assistant Professor	Matrusri Engineering College	Tead	praveenku mar@matr trusri.edu.in	995982727
2020/11/13 2:14:28 PM GMT+5:30	K. Shalini	Assistant Professor	Matrusri Engineering College	12	shalini8881 @matrusri. ! edu.in	9963127169
2020/11/13 2:25:36 PM GMT+5:30	M SWAPNA	Assistant Professor	MATRUSRI ENGINEERING COLLEGE	12	mandaswa pnareddy@ gmail.com	9247467966
2020/11/13 2:40:29 PM GMT+5:30	NANGUNURI S	Assistant Professor	Matrusri Engineering College	6 уеа	shivakumar 760@matr usri.edu.in	8008832804
2020/11/13 2:55:42 PM GMT+5:30	Gunda shyama	Associate a professor	Matrusri Engineering College	21	gscprasad @gmail.co m	9849244986
2020/11/17 11:03:32 AM GMT+5:30	C N V B R SRI (	ASSISTAN T PROFESSO	CBIT(A), HYDERABAD	Tana	gowrinath_ mca@cbit.	0401116159
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020/11/19 4:41:04 M GMT+5:30		Asst.profe ssor	Cbit HYDERABAD		amohan_cs e@cbit.ac.i n	9666992628
	manager and a little of the control		/ardhaman		swapna080 1@gmail.co m	9398168886
020/11/20 0:03:04 AM MT+5:30	( Sunil Manoh i	Associate E	Matrusri Engineering College		smr@matr usri.edu.in	9866482481

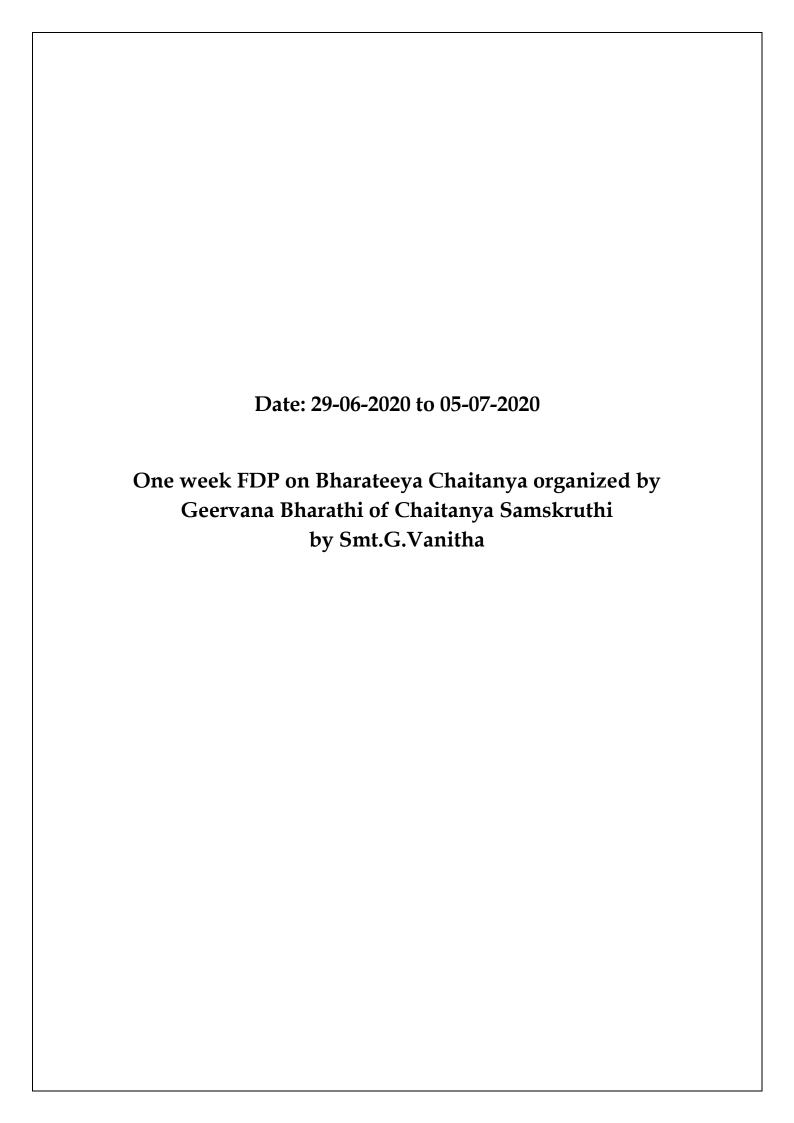
2020/11/20 3:50:50 PM GMT+5:30	Dr. Vijayakum	Assistant a Professor	Kakatiya Institute of Technology & Science	12	vijay.cse@k itsw.ac.in	889797182
2020/11/20 4:02:20 PM GMT+5:30	M.Supriya	Associate professor	Swami Vivekananda institute of technology	20	supriyasam uel@yahoo .com	988543090
2020/11/20 8:44:27 PM GMT+5:30	P.Vishalini	Lecturer	Singareni Collieries Women's Degree and Pg College	10	k.vishalini1 @gmail.co m	964202956
2020/11/20 8:46:53 PM GMT+5:30	A.DEVAKI	Assistant Professor	Singareni Collieries Women's Degree and PG College	Teacl	a.devaki20 08@gmail.c	853964732
2020/11/21 3:29:54 PM GMT+5:30	Aruna Jyothi T	Asst.profe	Matrusri Engineering College	8	jyothitimot hy@gmail.c om	9966008891
2020/11/22 11:52:54 AM GMT+5:30	G S PRASADA	Assistant Eprofessor	Vardhaman College of Engineering	8	gsprasad.re ddy56@gm ail.com	7032901205
2020/11/24 9:03:00 PM GMT+5:30	Baddam Indira	Assistant Professor	Chaitanya Bharathi Institute Technology, Gandipet, Hyderabad	24	bindira_mc a@cbit.ac.i n	9848952195
2020/11/24 9:09:38 PM GMT+5:30	Dr. Keshetti Sr	Assistant professor	Mahatma Gandhi Institute of Technology	Teach	ksrikala_cs e@mgit.ac. in	9959408221
2020/11/26 3:46:33 PM GMT+5:30	Divya Nishant	Deputy Engineer	Central Electronics Limited (Government of India Enterprise, CPSU)		divynishant 9@gmail.co m	9899556764
2020/12/11 12:51:42 PM GMT+5:30	B Srinivasa S P	Assistant Professor	CBIT	Teach	bsrinivas_ mca@cbit. ac.in	8555007901
2020/12/11 12:51:42 PM GMT+5:30	E Swathi	Assistant Professor	СВІТ		eswathi_cs e@cbit.ac.i n	ν.

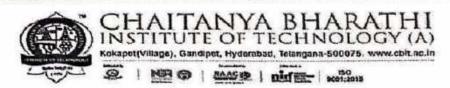
# 4.AICTE STTP PHASE -1 RECORDING LINKS

- i. https://drive.google.com/file/d/1w0QYzSdI5S3OpIBguVAb0XmnZxLz3rsp/view
  - ii. https://drive.google.com/file/d/1FocQ6mGhRHfdp7vfdWkHNe5SJk3ubA1n/view

# 5.AICTE STTP PHASE -2 RECORDING LINKS

- i. https://drive.google.com/file/d/1MC6gIqYD\_z0acgidqzb0e8GtMSN4WBnY/view
- ii. https://drive.google.com/file/d/1d CaBALSroxFMFzvVvKNe6BXcEPtY0af/view





COMMITTED TO RESEARCH, INNOVATION AND EDUCATION YOUR TOWN

# GEERVANA BHARATHI - CHAITANYA SAMSKRUTHI

Presents

A Series of 7 Webinars

on

# **BHARATEEYA CHAITANYAM**

... UPANYASA SANDHYA

29th June, 2020 - 05th July, 2020; 6:30 PM - 7:30 PM

All Staff from Academia and Industry can Participate

### Resource Persons:

**Eloquent Speakers on Contemporary Topics** 

✓ Use the Following Link to Register for free: https://forms.glc/ADMkE8XGEAkDxYsB7

E-Certificate will be issued for all the Participants.

# Prologue

Education or teaching in the broadest sense is any act or experience that has a formative effect on the mind, character or physical ability of an individual. In its technical sense, education is the process by which society deliberately transmits its accumulated knowledge, skills and values from one generation to another.

### Objectives of the Webinars:

- To appraise the ethics and values which are latent.
- To interpret the concept of environment and sustainable living.
- To justify individuality and support teamwork.
- To illustrate communication skills.

### SPEAKERS:

### Dr. K. ARAVINDA RAO.

IPS(Rtd.) and Former- DGP
Date & Day: 29th June, 2020 & Monday
TOPIC: The Yoga Tradition - Λ Gift to Mankind



### Sri. M. SURYA NARAYANA MURTHY,

TS Secretary(publicity)- Jateeya Sahitya Parishat Date & Day: 30th June, 2020 & Tuesday TOPIC: Phonetic Consciousness



# CHIEF PATRON Kavi Kireeti Dr. V. Malakonda Reddy, Preddent, CBIT PATRONS Sri. N. Subash, Secretary & Correspondent, CBES ADVISOR Prof. P.Ravinder Reddy, Principal, CBIT CHIEF-CONVENOR Dr. G. Suresh Babu Professor and Head, Department of EFE CONVENORS All Directors and Heads of the Departments CONTACT Sri. Al., Nagaraju, Asst. Professor, Dept. of EEE, 7013525685 Sint G. Vanitha, Asst. Professor, Dept. of CSE, 9959059585

Smt. G. Vanitha	Bhartiya Chaitanya	FDP	Dr.Aravind Rao, M.Suryanarayana Murthy	Online	Virtual Training	200	1 week	СВІТ	June2020
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FDP on Bharateeya Chaitanya

Attendance Sheet					
.No	Name	Present			
1	Dr.Y.Ramadevi	Р			
2	Dr. M.Swamy Das	Р			
3	Dr. K.Sagar	Р			
4	Dr. S. China Ramu	Р			
5	Prof. N.Ramadevi	Р			
6	Dr. Bruhadeshwar Bezawada	Р			
7	Prof. Damnodar Reddy	Р			
8	Dr.T.Sridevi	Р			
9	Dr. R.Ravinder Reddy	Р			
10	Dr. Sangeeta Gupta	Р			
11	Dr.E.Padmalatha	Р			
12	Smt I.Srujana	Р			
13	Smt.Ch.Vijaya Lakshmi	Р			
<u></u> 14	Smt.A.Sangeetha	P			
<u>.                                    </u>	Sri B.Ramadasu	 P			
16	Smt.E.Kalpana	<u>'</u> Р			
10 17	Dr.G.Vanitha	<u>Р</u>			
		Р Р			
18	Smt.K.Mary Sudha Rani				
19	Sri B.Sateesh	P			
20	Smt.T.Suvarna Kumari	P			
21	Smt.P.V. Manohara Ruth	Р			
22	Smt K.Spandana	Р			
23	Smt.G.Kavita	Р			
24	Smt. Ch.Madhavi Sudha	Р			
25	Smt. Kavita Agarwal	Р			
26	Sri K.Kiran Prakash	Р			
27	Sri B.Ramana Reddy	Р			
28	Smt. D.Naga Jyothi	P			
29	Smt.G.Mamatha	P			
30	Smt.S.Durga Devi	 P			
31	Sri A.Mohan	P			
32	Smt.E.Swathi	<u>'</u> Р			
		<u>.</u>			
33	Sri R.Srikanth	<u>Р</u> Р			
34	Smt.Isha Padhy	·			
35	Smt. G. Shanmukhi Rama	P			
36	Sri. M. Venkata Krishna Reddy	P			
37	Smt.B.Poonguzharselvi	Р			
38	Dr. G Kiran Kumar	Р			
39	Sri J.Shiva Sai	Р			
40	Smt. B. Deepthi	Р			
41	C M Abhiram Reddy	Р			
42	Challa Abishek	Р			
43	S Chakradhar	Р			
44	Makwana Gopi Kumar	Р			
45	Pulivarthi Hitesh	Р			
46	Akkaladevi Hruday Tej	Р			
47	Sutrave Kanishka	Р			
48	Mohammed Safi Ammar	Р			
49	Mohammed Zubair Ahmed	Р			
50	Potta Nikhil	Р			
51	Mallupalli Praneeth Reddy	Р			
52	Prithvi Teja Muramshetti	Р			
53	Daggula Ram Nithin Reddy	P			
54	E Ruthvik Reddy	 P			
55 55	Saad Ahmed	 P			
56	Sagnik Roy	 P			
57	K Sai Rohith Raj Goud	P			
58	P Sai Siddanth	<u>'</u> Р			
<i></i>	Nalla Saiteja				

S.No	Name	Present
60	Yalla Sathwick Reddy	Р
61	Shaik Abdul Muqtadeer	Р
62	Subbagari Shreeyesh Reddy	P
63	D Sri Sai	Р
64	Mudumba Sri Sai Sravan	P
65	Kandi Sridhar	P
66	Parsi Srijay	P
67	Brahmeshwarkar Srinath	P
68	Runval Srinivas Pavan Singh	P
69	Sriram Karthikeya V	P
70	Singapanga Teja Vamshi	P
71	Varun Sundaram	P
72	Thota Venkata Sai Teja	P
73	Yerrolla Vinay Kumar	P
74	Srirangam Vineeth	P
75	Abhay Singh Baloria	P
76	P Apoorva	P
77	Borugadda Harshini	P
78	Bogala Indu	P
79	Salugu Indu	P
80	Thatikonda Maanasa Gupta	P
81	Y Madhavi Devi	P
82	Devalla Nandini Priya	P
83	Todima Neha	P
84	Prakashitha Jaladanki	P
85	Rishika Pabba	P
86	Jummala Roshini	P
87	Samudrala Sahaja	P
88	Samhitha Kamma Chavala	P
89	Nayaka Snehitha	P
90	Bommu Sowmya	P
91	Badikala Spoorthi	P
92	Gudipelly Sravya	P
93	Nimmagadda Sri Swathi	P
94	Srujana Cherukuri	P
95	R S S Santoshi Rishika	P
96	Pakala Supriya	P
97	Kubeer Vaishnavi	P
98	Devinuri Abhilash	P
99	Pati Adarsh	<u>Р</u> Р
100	Kandula Anudeep	·
101	Karanam Dinakar Parul	P
102 103	J Harsh Raj	<u>Р</u> Р
103	Dammalapati Harshavardhan Potla Harshavardhan	Р
104	Kasukurti Karthik	<u>Р</u> Р
105		Р
106	Ragam Khushwanth Kumar Patnam Koushik Reddy	<u>Р</u> Р
107	Mirza Akber Namazi	Р
108	Mohammed Moazzam Zahuruddin	Р
1109	Mohith B	Р Р
111	J Mounish	Р
112	Peethala Naveen Vamshi	Р
113	Vatti Nihal Reddy	Р
113	Gidda Pavan Gopi Praneeth	<u>Р</u>
115	B Pragnesh	Р
116	Preetham Reddy Gollapalli	Р
117		Р
117	Patlolla Sai Ashish Reddy Modini Sai Sankeerth	Р
118	Saif Ali Athyaab	Р
119	Shaik Waseem Akram	Р
121	Sriramula Sharath Chandra	Р
121	Sin amula Sharaut Chamura	r

S.No	Name	Present
122	Kandaala Shashank	Р
123	Pokala Vaibhaw	Р
124	B Varun	Р
125	Chaturvedula Venkata Kedarnath	Р
126	Y V Srijesh Kumar	Р
127	Pogul Vidyadhar	Р
128	Buddarapu Vineeth Sharma	Р
129	J Vishal Chandra	Р
130	Vaka Vishal Reddy	Р
131	Ashish Sharma	Р
132	Kondepudi Alekya	Р
133	Puppala Ananya	Р
134	Anmol Jain	Р
135	Sunkireddy Bhargavi	Р
136	O Deekshitha	Р
137	Doddoju Juhitha	Р

S.No	Name	Present
138	Koneru Jyotika	Р
139	Gurinda Gunta Keerthana	Р
140	Chinthapally Kranthi Rekha	Р
141	Neha Pendem	Р
142	K Peeyusha	Р
143	Paduri Punya Keerthi Reddy	Р
144	P Ruchitha Reddy	Р
145	Bulusu Sai Lakshmi Spandana	Р
146	Pasham Satwika	Р
147	Yaramada Shwetha	Р
148	Miryala Sneha	Р
149	Sreshta Rushya Putchala	Р
150	Konda Srinidhi Reddy	Р
151	G Vishnu Priya	Р
152	Chava Vyshali	Р
153	V L Anirudh	Р
154	Asim Ahmed	Р
155	Ramavath Bhanu Prasad Nayak	Р
156	Ladi Chanikya	Р
157	Puppireddy Charithesh	Р
158	Pakanati Dhanush	Р
159	Eskepalli Dora Sai Varma	Р
160	Vasepalli Ganadeekshith Reddy	Р
161	Thanner Gourav	Р
162	Neelam Hemanth	Р
163	Vishnu Gadam	Р
164	P Vishnu Vardhan Reddy	Р
165	Mohammed Sultan Rahil	Р
166	Dyapa Kowshik Reddy	P
167	Dandamudi Rohit	P
168	Bolisetty Bhargav Sai	P
169	Pudari Vaishnavi	P
170	Kundarapu Harshini	P
171	Mohammed Abdul Mujeeb	P
172	Mahadevuni Anirudh	P
173	Dabbukottu Laxman	 P
174	Dommati Sravan	 P
175	A Shashank	P
176	Koramoni Akanksha	 P
177	Abhilash Modumpally	 P
178	Udutha Akhila	 P
179	Kolluri Meghana	 P
180	Mohd Sayeed	 P
181	E Haritha	P
182	Chekka Praveen	 P
183	Kundanapally Vamshi	г Р
184	N Shiva Kumar	 P
185	Saripally Dharani	P
186	Munipally Abhignya	г Р
187	Durgam Bharath	г Р
188	S Surya Prakash	r P
189	K Nagapratyusha	<u>г</u> Р
190	Thirunahari Shashank	Р
191	Sirikonda Rakesh	Р
192	Mandala Radhika	Р
193	T Shiva Sai	<u>г</u> Р
193	Gopala Archana	<u>Р</u> Р
	V Sai Keerthana	
195 196	L Madhusudhan	<u>Р</u> Р
196	Mohammed Rashid Ahmed Silledar	Р Р
197	Gundala Moulika	<u>Р</u> Р
		Р
199	Nayakallu Sowjanya	۲

I	S.No	Name	Present
	200	Kodumuri Deepthi	Р

#### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)

### **Department Of Information Technology**

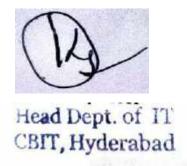
### Report on Alumni talk on "Cloud computing and Devops"

The Department of Information Technology organized an Alumni Talk on **06.02.2021** for the benefit of the VI - Sem students as an eye opener for them in trending technologies like Cloud computing and DevOps

The keynote speaker of the event is Mr. Saikumar Ellendula, an alumnus of CBIT, 2008-2012 Batch. He addressed the students in the emerging technologies like Cloud computing and DevOps

He spoke on the aspect of virtualization, cloud computing models, resources and attributes. He gave extra input as a demo on Azure cloud. He also added on the life cycle of DevOps. He also mentioned how a data scientist can ensure smooth functioning of the organization. This session was an interactive session and he also shared the industry experience.

This Alumni talk was organized by Ms.K.Swathi and Dr.M.Trupthi, Assistant Professors of the Department of Information Technology, CBIT(A), on 06-02-2021 in virtual mode using google meet.



Video recording link: <a href="https://drive.google.com/file/d/15c94hglA1rJssv7viYg3dMrLqq-izzLl/view">https://drive.google.com/file/d/15c94hglA1rJssv7viYg3dMrLqq-izzLl/view</a>





Mr. E.Saikumar, Alumna of IT Dept., Virtual talk on DevOps

01:01:06.700,01:01:09.700

Saikumar Ellendula: saikumarellendula@gmail.com

01:01:24.229,01:01:27.229

Saikumar Ellendula: https://in.linkedin.com/in/saikumarellendula

01:03:30.360,01:03:33.360

Smt.K.Swathi Assistant Professor: https://forms.gle/zq81xGAGeDhPhYp47

01:03:39.672,01:03:42.672

Smt.K.Swathi Assistant Professor: feedback form

### A Webinar on "Commodity Derivatives Market"

### Speaker:

- 1. Mr.Aleen Mukherjee, Executive Vice President of Business Strategy at the National Commodities and Derivatives Exchange (NCDEX) and COO of NCDEX Institute of Commodity Markets and Research (NICR)
- 2. Mr.Niraj Shukla, Senior Economist Market Intelligence at NCDEX.
- 3. Mr.Ram Gopal Yadav, Deputy Manager Knowledge Management at NICR.

### **Brief profile of Key Experts:**

### 1. Mr. Aleen Mukherjee

Aleen Mukherjee currently serves as Executive Vice President of Business Strategy at the National Commodities and Derivatives Exchange (NCDEX) and COO of NCDEX Institute of Commodity Markets and Research (NICR), having donned multiple leadership roles within the exchange over the past 9 years. Here, he led the creation of a first of its kind national level Electronic Negotiable Warehouse Receipts (e-NWRs) system hailed as a path-breaking step in the area of financing of agricultural commodities. Currently focusing on creating awareness amongst Farmer Producer Organizations on price risk mitigation tools; lead CSR activity for the exchange and education & awareness building through NICR. In a career spanning 25 years across countries including India, West and East Africa, he has donned multiple hats including as a development professional, roles in the private sector and as an entrepreneur. He has had significant leadership roles with organizations such as Winrock International, Tata Farms and USAID and has consulted for agencies like FAO, UNCTAD and KPMG. Aleen specializes in developing implementation plans for large-scale projects on building agricultural supply chains, back-end integration and connecting farmers to export and forward markets. He holds a Master's Degree in Horticulture from GB Pant University of Agriculture and Technology in India, advanced certificates in Food Safety and Trade from the World Bank and in Strategic Thinking and Leadership for Growth from the Wharton School.

#### 2. Mr. Niraj Shukla

Mr. Shukla works as Senior Economist - Market Intelligence at NCDEX. He has work experience of around 16 years in research and training, has published papers in reputed publications/financial dailies and also presented research views in various media channels and papers at various conferences. He has been associated with various research/study projects on

agriculture markets, their feasibility and impact assessments. He was heading the Research

Desk at Reliance Commodities, Mumbai for around 9 years where he was involved in research

content production and dissemination as well as corporate/HNI client's training across the

country. He has also worked with Angel Commodities, Mumbai and Agriwatch, New Delhi in

his earlier stints. He was also associated with Dairy Economics department of National Dairy

Research Institute (NDRI), Karnal, Haryana. He has been part of various research projects at

Pantnagar and then at Karnal.

3. Mr. Ram Gopal Yadav

Mr. Yadav works as Deputy Manager - Knowledge Management at NICR. Over 10 years of

his work experience includes research and consulting in agriculture commodities, their

Decision Support System, Crop tours and surveys, and fundamental and markets analysis. He

has been a key member in tie-ups with business partners and Government(s). He has organized

several Business meets, developed Traders-Research Interface and created Analytical

Dashboard & Mobile App solutions for various domestic and international clients.

He was heading the Research & Consulting Desk at Agnomics Analytics LAB Private Limited

and Level A Commodities Private Limited and also worked with Agriwatch and Sharekhan

Limited in his earlier stints. He holds a Master's Degree in MBA (Finance & Marketing) from

Malaviya National Institute of Technology (MNIT), Jaipur; and Bachelors of Engineering in

Biotechnology from the University of Rajasthan. He also holds postgraduate certificate in

Agri-Business Management from the XLRI Jamshedpur; certificate in Global Trade Logistics

and Operations from the Indian Institute of Foreign Trade(IIFT), New Delhi.

**Date:** 02-11-2020

**Time:** 02:30PM – 03:30 PM

**Mode:** Online through Microsoft Teams

No. of participants: 114

Hosted by: K Bhagya Lakshmi

Smt. K. Bhagya Lakshmi organized a Webinar on "Commodity Derivatives Market" on 02-11-

2020 from 2.30 to 3.30 pm. Mr.Aleen Mukherjee, Executive Vice President of Business

Strategy at the National Commodities and Derivatives Exchange (NCDEX) and COO of

NCDEXInstitute off Commodity Markets and Research (NICR), Mr.Niraj Shukla, Senior

Economist -Market Intelligence at NCDEX and Mr.Ram Gopal Yadav, Deputy Manager -

Knowledge Management at NCR were the key speakers for the session. They briefed on the topics like Introduction to Commodities and Commodity Markets, Global and Domestic Scenario in Commodity, Delivery & Settlement in Commodity Derivatives Market, Benefits to Farmer and Opportunities in Commodity Ecosystems followed by Q&A. The Webinar session proved to be invaluable to students for learning and help them in understanding the unique rules and market practices for commodity trades, market operations and structure, products, trading terminology, besides fundamental and technical analysis of individual commodities.

### **Topics covered:**

- 1. Introduction to Commodities and Commodity Markets
- 2. Global and Domestic Scenario in Commodity
- 3. Delivery & Settlement in Commodity Derivatives Market
- 4. Benefits to Farmer
- 5. Opportunities in Commodity Ecosystems
- 6. Q&A Session

## CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A) - HYDERABAD CBIT-SCHOOL OF MANAGEMENT STUDIES Date: 02-11-2020

#### **CIRCULAR**

All MBA III Semester (Sec-A &; Sec-B) students are informed to attend a webinar on "Commodity Derivatives Market" today i.e. 02-11-2020 from 2.30 to 3.30 pm. The Key Speakers are:

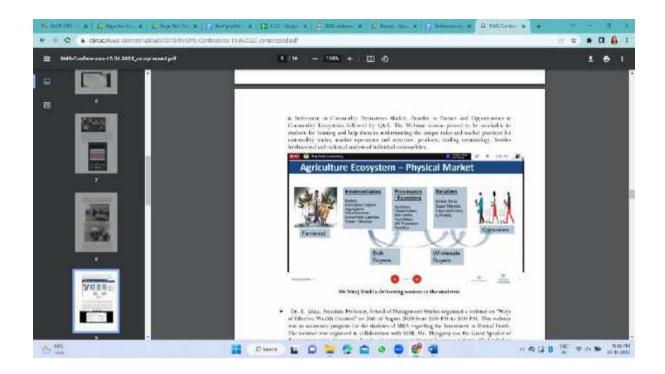
- 1. Mr.Aleen Mukherjee, Executive Vice President of Business Strategy at the National Commodities and Derivatives Exchange (NCDEX) and COO of NCDEX Institute of Commodity Markets and Research (NICR)
- 2. Mr.Niraj Shukla, Senior Economist Market Intelligence at NCDEX.
- 3. Mr.Ram Gopal Yadav, Deputy Manager Knowledge Management at NICR.

  Students are informed to join the Session on time and make use of the opportunity.

  Webinar details (registration form and link) will be shared by the Faculty Co-ordinator Mrs.K.Bhagya Lakshmi. For any information/queries you contact the faculty coordinator.

HOD

**CBIT-SMS** 



### **Participants List**

S.No	Roll No	Students Name
1	1601-19-672-001	Ashwini A
2	1601-19-672-002	Aziza Salma
3	1601-19-672-003	Bhargavi Pandikonda
4	1601-19-672-004	Chaitanya Kiran P
5	1601-19-672-005	Harshitha A
6	1601-19-672-006	Harshitha Durgam
7	1601-19-672-007	Hema Sri Hasini K
8	1601-19-672-008	Jayalaxmi C
9	1601-19-672-009	Kavita Raj Teki
10	1601-19-672-010	Chaitanya Kiran P

11	1601-19-672-011	Manju Singh Shekhawat
12	1601-19-672-012	Mrinalini Rao B
13	1601-19-672-013	Pravalika K
14	1601-19-672-014	Preethi Muthyala
15	1601-19-672-015	Prerna D
16	1601-19-672-016	Priyanka Anantharam
17	1601-19-672-018	Sakshi Jain
18	1601-19-672-020	Sarayu B
19	1601-19-672-021	Sirisha Manukonda
20	1601-19-672-022	Vyshnavi Datta Gandi Sreeramulu
21	1601-19-672-023	Sujana Manapuram
22	1601-19-672-024	Tanishq P
23	1601-19-672-025	Vaishnavi M.R.
	1 201 10 200	
24	1601-19-672-026	Akshay Methri
25	1601-19-672-027	Aravind Vedala
26	1.001 10 670 000	A CI I M
26	1601-19-672-028	Arun Chowhan M
27	1601 10 672 020	Asif Khan Md
27	1601-19-672-029	Asii Kiiaii Wu
28	1601-19-672-030	Bharath Kondreddy
20	1001-17-072-030	Bharath Kondreddy
29	1601-19-672-031	Brahmeswara Rao Urimella
30	1601-19-672-032	Fayaz Kurpalli
	1001 17 012 052	I uj už II sipuiii
31	1601-19-672-033	Hem Kumar Reddy Maryada
32	1601-19-672-034	Luka Emmanuel Juttike
1		1

33	1601-19-672-035	Naresh U V
34	1601-19-672-036	Nikhil Kumar Daiki
35	1601-19-672-037	Nilesh Konakalla
36	1601-19-672-038	Puneet KumarAvvaldar
37	1601-19-672-039	Rafiuddin Ansari Md
31	1001-17-072-037	Narradum / Misari Ma
38	1601-19-672-040	Raja Shekar Goud Gadamidi
39	1601-19-672-041	Rajashekar T
40	1601-19-672-042	Rajesh Kaniganti
41	1601-19-672-043	Rakshan Gireddy JP
42	1601-19-672-044	Ramesh P
42	1001-19-072-044	Kamesii r
43	1601-19-672-045	Randeep Reddy M
44	1601-19-672-047	Sai Dinesh Rachapudi
45	1601-19-672-049	Shashikanth Nagulapally
46	1601-19-672-050	Shiva Prasad Madipadiga
47	1601 10 672 051	Citamama Alchil Dan same
47	1601-19-672-051	Sitarama Akhil Bangaru
48	1601-19-672-052	Sri Hari Bandaru
49	1601-19-672-053	Srikanth Neerati
50	1601-19-672-054	Srikanth Meravath
51	1601-19-672-055	Srikanth S V V
52	1601-19-672-056	Srinivas Ch.

i		
53	1601-19-672-057	Sudheer Goud Chitla
54	1601-19-672-058	Surya K
55	1601-19-672-059	Venkata Narasimha Reddy Yennam
56	1601-19-672-060	Venkata Sai Krishna Karthik Muktevi
57	1601-17-672-001	AARTI
58	1601-19-672-061	Aishwarya Pulpa
59	1601-19-672-063	Anuhya Rao Nagineni
60	1601-19-672-064	Divija Dinnepadu
61	1601-19-672-065	Divya Ragulapally
62	1601-19-672-066	Divya Sree B
63	1601-19-672-067	Harsha Vardhini Valavoju
64	1601-19-672-068	Himabindu Gummadi
65	1601-19-672-069	Mahitha Duvvuri
66	1601-19-672-070	Manasa Duvvuri
67	1601-19-672-072	Navya Tejaswini Sheelam
68	1601-19-672-073	Niharika Jakkula
69	1601-19-672-074	Rakshanda Rasheeda Aziz
70	1601-19-672-075	Ramya Nandini
71	1601-19-672-076	Santoshini Bondala

72	1601-19-672-077	Sathira Ummul Khair
73	1601-19-672-078	Shalini Gaddamidi
74	1601-19-672-079	Sharanya Peteru
75	1601-19-672-081	Swathi Taraka
76	1601-19-672-082	Tarika J P
77	1601-19-672-083	Tejaswi Tippani
78	1601-19-672-084	Vijaya Bhavani Toleti
79	1601-19-672-085	Zuhisha Siddiqua
80	1601-19-672-086	Abhivav Ambati
81	1601-19-672-087	Abhiroop Naik
82	1601-19-672-088	Anil Kumar B
83	1601-19-672-089	Aravinda Chary Andoju
84	1601-19-672-090	Arun Teja Dudyala
85	1601-19-672-091	Bhanuchandar Chary Vadla
86	1601-19-672-092	Bhuvaneshwara Achari Pirangi
87	1601-19-672-093	Chandrakishore Sathu
88	1601-19-672-094	Deepak Pasala
89	1601-19-672-095	Dinesh Kumar A
90	1601-19-672-096	Jagadeesh Baman
91	1601-19-672-097	Mohamed Azeemuddin

92	1601-19-672-098	Murali Krishna G
93	1601-19-672-099	Naga Peddiraju Chennnu
94	1601-19-672-100	Naresh Gurram
95	1601-19-672-101	Naveen Kumar Ganji
96	1601-19-672-102	Pavan Sai Kailas
97	1601-19-672-103	Piyush Agarwal
98	1601-19-672-105	Rajesh Madhavarapu
99	1601-19-672-106	Ranjith Katakam
100	1601-19-672-107	Rohit Joshi
101	1601-19-672-108	Sadaq Ali Md
102	1601-19-672-110	Sai Teja S
103	1601-19-672-111	Sampath Kumar Nune
104	1601-19-672-112	Sandeep Reddy D
105	1601-19-672-113	Shaik Mujafar
106	1601-19-672-114	Sharath Chandra Lakkoju
107	1601-19-672-115	Sheshan U
108	1601-19-672-116	Shree Ram Dubbala
109	1601-19-672-117	Uday Bellamkonda

	1601-19-672-118	Venkata S S Anvesh Turlapati
110		
111	1601-19-672-119	Vineeth Bandi
112	1601-19-672-120	Vishwa Teja Prachodhan Battu





#### **A REPORT**

### ON THE WEBINAR ORGANIZED ON

### FINANCIAL WELL-BEING OF EMPLOYEES DURING COVID 19

IN ASSOCIATION WITH RK WEALTH

January 09th, 2021; 11:30 AM – 1:00 PM

### ORGANIZED BY

**CBIT - SCHOOL OF MANAGEMENT STUDIES** 

### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

GANDIPET, HYDERABAD, TELANGANA

### Report submitted by:

Mrs M.Sangeetha

Assistant Professor

School of Management Studies

Chaitanya Bharathi Institute of Technology

Hyderabad

Mr P. Varaprasad Goud

Assistant Professor

School of Management Studies

Chaitanya Bharathi Institute of Technology

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### **GLANCE:**

Title of the Webinar	FINANCIAL WELL-BEING OF EMPLOYEES DURING
	COVID 19
Date	09-01-2021
Time	11.30 AM to 1.00 PM
District	Ranga Reddy District
No. of Participants	88
Target Audience	All Academicians of Higher Education Institutions
Head of the Institution	Prof.G.P.Saradhi Varma, Principal, CBIT
Faculty Coordinator Names	Mrs.M.Sangeetha, Mr. P.Varaprasad Goud

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	ANNEXURE:  • Form links to register & give feedback  • Brochure  • Registration Form  • Feedback Form  • Participation Certificate	

### **Program Snapshots:**

- The Webinar was proposed to be conducted targeting the Academicians of Higher Education Institutions.
- The brochure was sent to the target audience at 09.20 PM on 07<sup>th</sup> January, 2021.
- Registration link along with guidelines were provided in the brochure. It was publicized through posting in the various official WhatsApp groups, sent email to faculty across Telangana and Andhra Pradesh.
- The registration link for the Webinar was active till 11.15 AM on 09<sup>th</sup> January, 2021 and the registrations were closed thereafter.
- The total number of Registrations is 92 (Ninety-Two).
- The link for attending the Webinar was sent to all the Participants on 09<sup>th</sup> January, 2021 through email.
- Out of 92 registered Candidates, 88 (Eighty-Eight) candidates have participated in the Webinar and given their Feedback.

### Feedback:

• Feedback was collected through Google forms sent to their registered email ID's.

### **Faculty Coordinators**

Faculty Coordinators

Mrs. M. Sangeetha

**Assistant Professor** 

**CBIT-School of Management Studies** 

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### Mr. P. Varaprasad Goud

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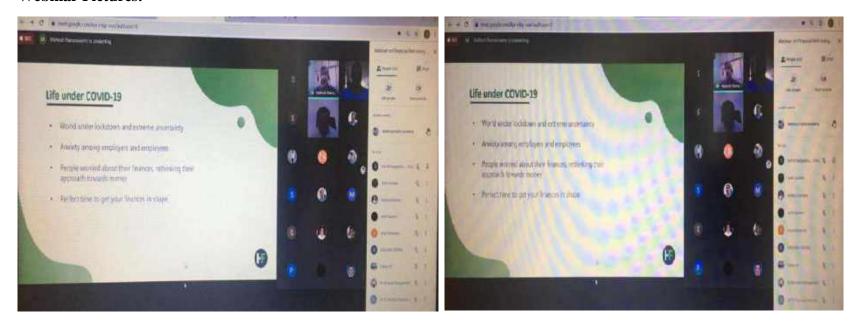


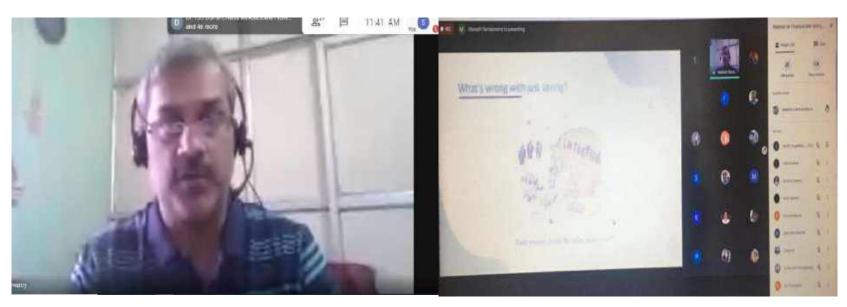
SI				
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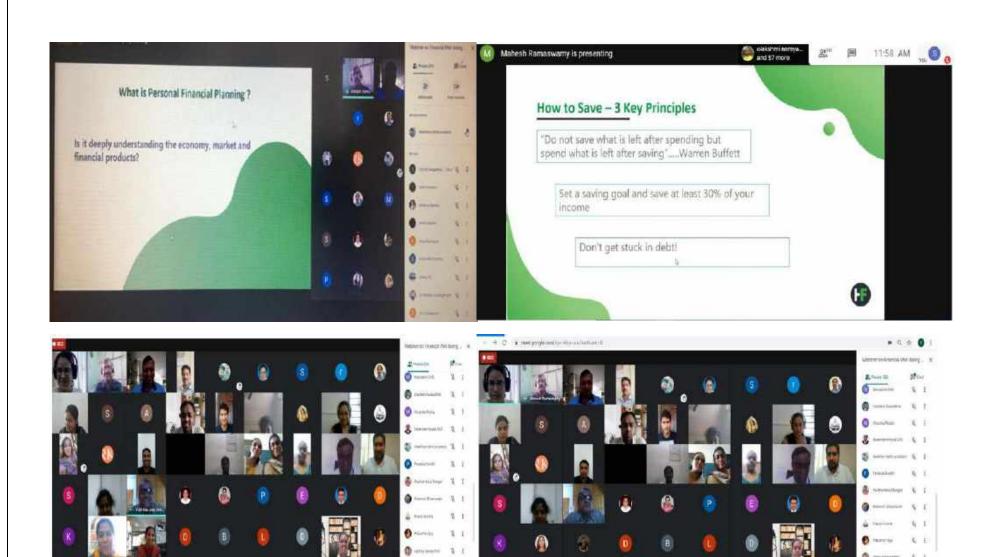
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### **Webinar Pictures:**







### **Acknowledgement:**

Firstly, we would like to express our Sincere thanks to the Management of Chaitanya Bharathi Institute of Technology for encouraging and supporting us to organize such Programs.

Our Sincere thanks to the Principal Prof.G.P. Saradhi Varma, Principal, CBIT for having trust on us and sanctioning us to conduct this webinar. His support and inspiritment to the Department has incentivized us to conduct such a program online.

We would additionally relish to express our deep gratitude and Sincere thanks to the Web Branding Committee (WBC) for elongating their support and guidance in drafting the Webinar brochure and publicizing the event.

We would relish to express our thanks and regards to Dr. S. Saraswathi, Head of the Department for elongating her guidance and perpetual support in making the program Prosperous. With her Support and Guidance, we were able to conduct the Webinar without any queries from the Participants.

We supplementally thank the faculty of the department for their support in publicizing the webinar and supplementally the participants for taking their time and attending the webinar.

### **REGISTRATION LINK:**

https://docs.google.com/forms/d/e/1FAIpQLSdrhsf\_wJglVINILffULqKxgP6Z473bPh1qzTtk1jhGeP1S-Q/viewform

#### **WEBINAR LINK:**

http://meet.google.com/kyx-rdyp-uuu

#### **BROCHURE**





### **CBIT - SCHOOL OF MANAGEMENT STUDIES**

is Organizing a Webinar

in Association with RK WEALTH

on

### FINANCIAL WELL-BEING OF EMPLOYEES DURING COVID 19

January 09th, 2021; 11:30 AM - 1:00 PM

All Academicians of Higher Education Institutions

Speaker: Mr. MAHESH RAMASWAMY

Business Head - Happyness Factory

Mr. RAVIKANTH.

Founder- RK Wealth

Faculty Coordinator:

Mrs. M. SANGEETHA, Assistant Professor

Mr. P. VARAPRASAD GOUD, Assistant Professor

Prof. G. P. SARADHI VARMA, PRINCIPAL Dr. S. SARASWATHI, I/c- Head, CBIT-SMS

- Free Registration:
- E-Certificate will be issued to all the Participants a fter feed back.
- Click here to register
- For any queries please contact: +91 9849108164, +918106302161

### **Registration Form:**

D	WEALTH on 9th January, 2021; 11:30 AM -1:00 PM Regulred	
le:	Email address *	
	Name of the Participant *	
3.	Institute *	
ke	Name of the Department *	
5,	Designation *	
5.	Contact Number *	

### Feedback Form:

# Financial Well-being of Employees during Covid 19 \* Required 1. Email address \* 2. Full Name \* 3. Name of the Organization / Institution \* Contact Number 5. How would you rate the overall webinar experience?\* Mark only one oval. Highly Dissatisfied Highly Satisfied

	1	2	3	4	5				
Poor	0					Excellent			
How	would y	you rat	e the c	ontent	of the	webinar? *			
Mark o	only one	oval.							
	1	2	3	4	5				
Poor				$\overline{a}$		Excellent			
Eoodl	nack fo	or the r	vrosent	ore [De	aardin		content	and de	livery]*
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### Feedback given by the Participants:

SI No.	Full Name	How would you rate the overall webinar experience?	How would you rate the presenters?	How would you rate the content of the webinar?	Feedback for the presenters [Regarding Speed, style, content, and delivery]	Any other Feedback/Suggestions
1	Ukkalkar Shubhangi	5	5	5	NA	Na
2	P.Varaprasad Goud	5	5	5	Good	Good
3	Ms.Smriti Nagaria	5	5	5	Good	Well organized
4	Dr SHAIK MUZEER	5	5	5	Excellent	Excellent
5	K.Prasad Babu	4	5	4	Very informative session	Overall the session was good
6	O Lakshminarayana	5	5	5	Excellent	No
7	Dr M.Mamatha	4	4	4	Good session	Very informative
8	Panatula Swathi	5	5	5	Voice is lowrest all nice	Conduct more seminars
9	V Raghavendra	4	5	4	Excellent presentation	Looking forward to more such sessions
10	S Durga Devi	5	5	5	Every thing fine	It's good
11	Ch.MadhaviSudha	5	5	5	Good	Nothing
12	T.SUVARNA KUMARI	5	5	5	GOOD	NIL
13	Sai Avinash Nadakuditi	4	5	4	Great to hear them	Great informative session
14	A. Subhash Reddy	5	5	5	everything is on time and perfect planning	nothing
15	P. Suman	4	4	3	Good	Very useful
16	Kulsoom Lateef	5	5	5	Excellent	Nil
17	Bolle Dileep	4	5	4	Yes,overall good session.	Take, some more time for this session.
18	Dr. Varimadugu Aruna	5	5	5	Informative session	Excellent talks
19	Gattaiah Tadoori	5	5	5	Highly appreciable	Hoping for such other other useful webinars
20	U. PADMAVATHI	5	5	5	Excellent	Thank you for organising such a informative session.
21	Mankena kulasekhar	5	5	5	Excellent	Expecting more webinars
22	Pradeep Kumar	5	4	4	Good	Good
23	Rohit Kumar M	4	4	4	-	-
24	SUJATA NM	5	5	5	Everything is excellent	No
25	Suman Kolpula	4	5	5	Perfect	Expecting more sessions
26	Dr.A.RAVISANKAR	5	5	5	EXCELLENT	Any future event inform me
27	Asifa Tazeem. P	5	5	5	nice	excellent

28	A. SUMAN KALYAN	5	5	5	Very good	Thank you so much
20	A. SUIVIAN KALTAN	<u> </u>	3	<u> </u>	Very good	More webinars should be
29	Afrah fatima	4	4	4	Very good	conducted
					, 0	The webinar was very good
						and look forward for more
30	Dr. Vanishree Sah	5	5	5	Excellent	such webinars
31	K.Bhagya Lakshmi	4	4	4	good	nothing
	M VENKATA KRISHNA					
32	REDDY	5	5	5	Good	Nice session
33	SHERIN BANU	3	3	3	Good	No
34	LALITHA SUDDAPALLY	5	5	5	Excellent	Webinar was Infotmative
						Organise some more
35	SUNIT KUMAR	5	5	5	Very good	webinars on various topics
36	Dr V Rana Pratap	3	3	3	Average	Nothing
37	Dr.G.Usha sree	4	4	4	Excellent	No
						Very informative session.
38	Surekha Adiki	5	5	5	Just 'Perfect'	Thanks to the coordinator.
39	J Mounika Reddy	5	5	5	Superb	Excellent
	Dr.Rakhee Mairal				Overall it was a good	
40	Renapurkar	5	5	5	presentation	NA
41	G VENKATA KISHORE	5	5	5	Good	Good
	KOTHAMARAM					
	VENKATA RAMI REDDY,	_	_	_		
42	Research Scholar	5	5	5	Excellent	More seminars
43	Dr. Archana Boda	5	5	5	good session	Good session
					It was very informative, usefull	
					for every one. Thank you for arranging such a wonderfull	
					webinar for us. We hope you will	
					conduct more webinars in up	The way of presentation was
44	Ambati Suvarna	5	4	5	coming days. I thank you CBIT.	superb
						Thanks and Pls keep inform
45	Dr.K.SREEKANTH	4	5	5	Good	further if any
	Shashidhar Reddy	_	_	_		Keep conducting these
46	Enugala	5	5	5	Excellent	webinar
47	Dr Shagufta Parween	5	5	5	Excellent	No
47			5	5	Excellent presentation	Good
48	P BHEEMAIAH	5	5			
	P BHEEMAIAH	5	5		Presenter given the presentation	Pls try to arrange more such
48				_	very well , easy to understand	webinars in the futureWell
	P BHEEMAIAH  Dr P Vijay Kumar  MR. GANESHA	5	4	5		

51	N. Prasanna Laxmi	5	5	5	Was good.	Will communicate further
52	Sadiya Aziz	5	5	5	Excellent	Very informative session
					Very interesting and informative	
53	Dr ATIYA MAHBOOB	5	5	5	presentation	Excellent session
54	Fakhruddin Sheik	5	5	5	Excellent	Great Session
55	KOTHAMARAM VENKATA RAMI REDDY	5	5	5	Excellent	More seminars
56	SYED Zainul Abbas	5	4	4	Fantastic session	Nyc
57	Dr. Anees Sulthana	5	5	5	Excellent	ityc
58	M.Pavitrambika	5	5	5	Very good content	Please conduct more such sessions which are practically applicable
59	Dr. Mandakini Paruthi	5	5	5	good	fine
60	Dr Sowmya Kethi Reddi	4	4	4	Very good	Super
61	Dr Radhika H	5	5	5	Good	No
62	Dr. G. Radha Kiranmayi	5	4	4	Good	Good
63	J PRAVEEN KUMAR HoD of Comm & Mangt	5	5	5	Good	Nice and informative session thank you Organizers
64	B Sangeev Kumar	4	4	4	Good	thank you organizers
65	B Lavanya	5	5	4	Good	no
	Dr M Anil Kumar				Good	no Koon it un
66		4	4	4		Keep it up
67	AMREEN SULTANA	3	3	3	Excellent	Wonderful
68	VBK RAO	1	5	5	EXCELLENT	NIL
69	Dr.T.S.Poornachandrika	5	5	5	Perfect	Nil Well organized & informative
70	Dr.D. MADHAVI Latha	5	5	5	Very good	session
71	Dr. E. Jalaja	5	5	5	Good	No
72	Swapna Priya	5	5	5	Very Informative	Over all Good
73	N Shirisha	5	5	5	Good	Good
74	Kanagoni shankar	5	5	4	Good	Use some more examples
75	Ambica Damera	5	5	5	Excellent	Everything thing good
76	Dr N	5	5	4	Good	Thank you very much
77	Dr.M Narsing Rao	4	4	5	Good	No
78	S TULASI RAM	5	5	5	Good learning experience	Provide their contact for further interaction
79	Dr K.Kavitha	5	5	5	Good	Please share the content of the seminar.
80	SHAHEEN SULTANA	3	3	3	nice	Thanks

81	Dr Md S Rahaman	5	5	5	Excellent	Nil
82	J.Durga Prasad	5	5	5	Good	Very informative
83	Zeenath Jahan	4	4	4	The presenters content and delivery so informative	Try conduct more
84	Dr.Ramesh Chandavath	5	5	5	Good communication	Very useful for future outcomes
85	MUHAMMAD NIZAMUDDIN	3	4	3	good, hope many like this	Go ahead many more >>>>
86	Raheemunissa	4	4	4	Good presentation to the point	Looking forward for more seminar like this
87	Dr.Daman Jeet	5	5	5	Great learning experience	None
88	SURA GOVARDHAN	5	4	4	Good	Need more sessions to continue in different themes

# **Certificate Template:**



# A Report on the Program "WAYS OF EFFECTIVE WEALTH CREATION" BY SEBI

Date: 26.08.2020

Time: 2:00PM - 3:00 PM

Mode: Online through Zoom Meetings

Students registered: 93

Report by: Dr. E. Jalaja, Associate Professor, SMS-CBIT.

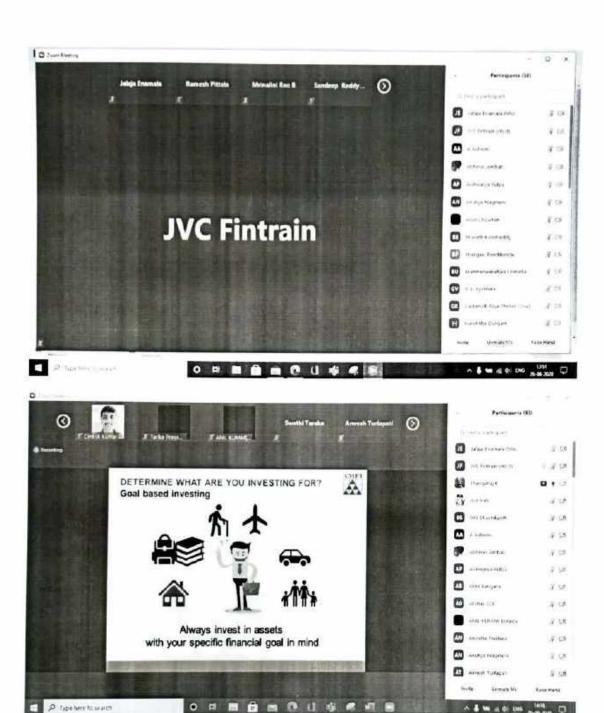
This program is an awareness program organized y SEBI, Mumbai to the college students regarding investment in Mutual Funds. Nikhita and Vyshali are the members who approached me regarding this program from Jai Vatnani and Company on behalf of SEBI to organize this program. Mr. Thyagaraj was the Guest Speaker of the program. The Guest speaker is having two decades of experience in Financial services industry.

He has explained the students about the following

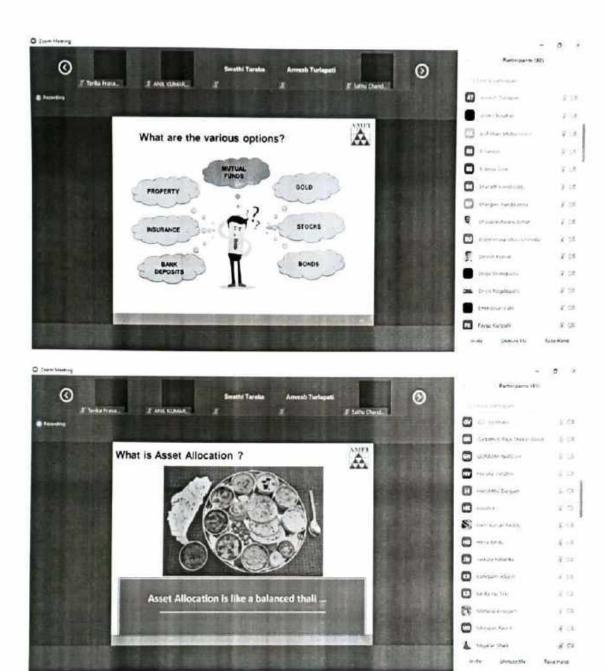
- · The Impact of Inflation
- Goal based investing
- Appropriate asset allocation
- Understanding of Mutual Funds
- Mutual funds structure and scheme categorization
- How to invest in Mutual Fuds with focus on SIP
- SEBI complaints and Redressal system

He briefed about inflation, investing and about asset allocation and has given details explanation about Mutual Funds, investing in Mutual Funds and about the types of schemes available. He encouraged students to invest in Mutual Funds in with small amounts.

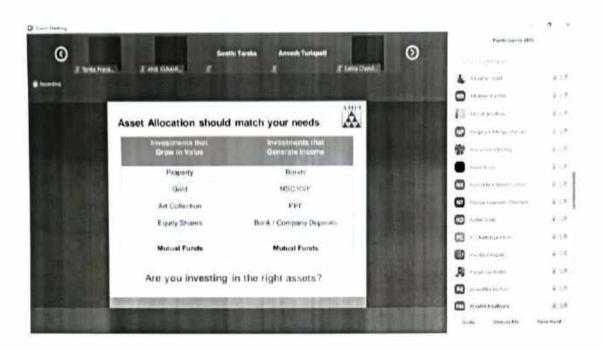


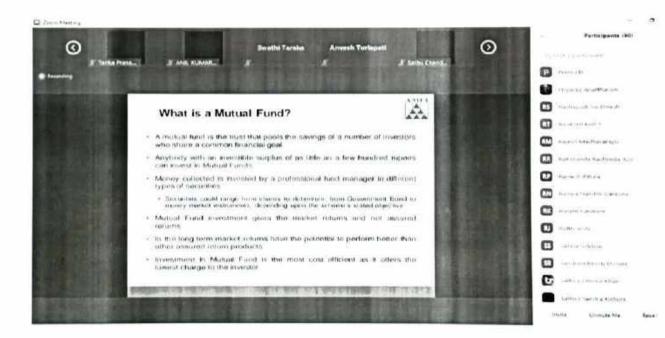




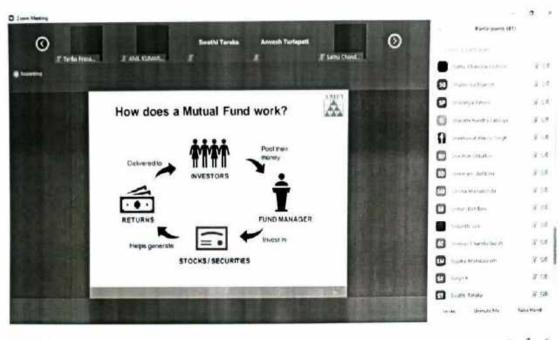


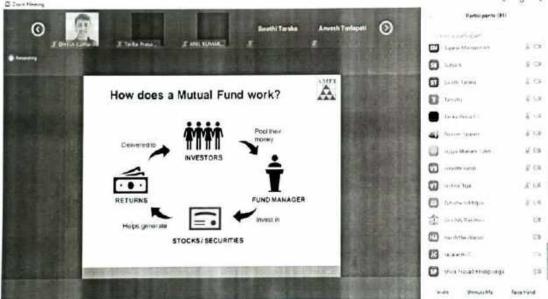




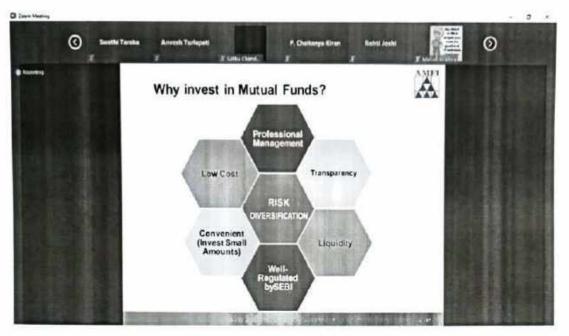


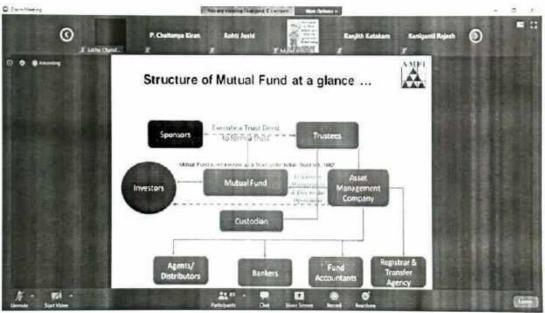




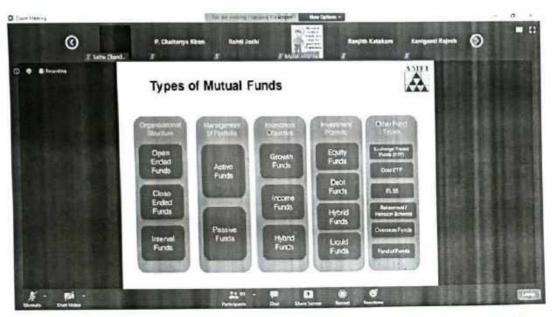


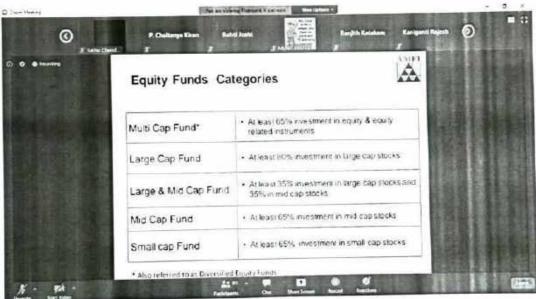




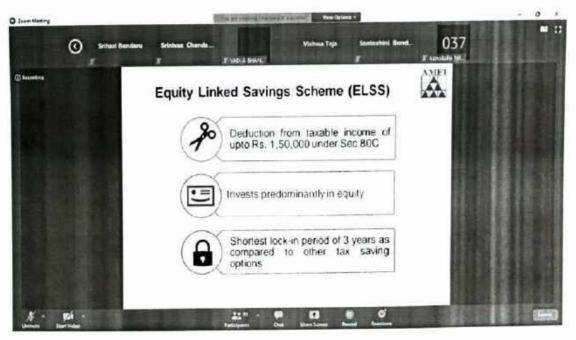






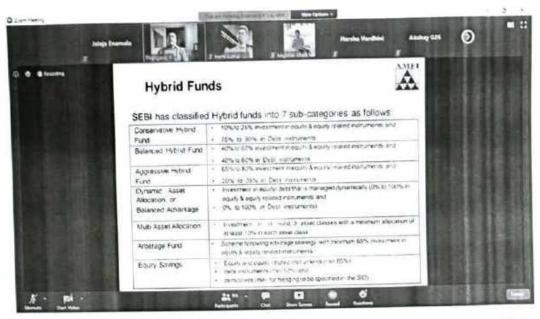


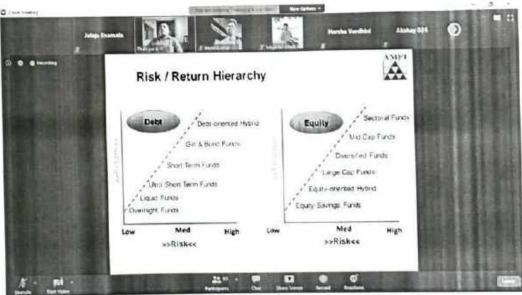




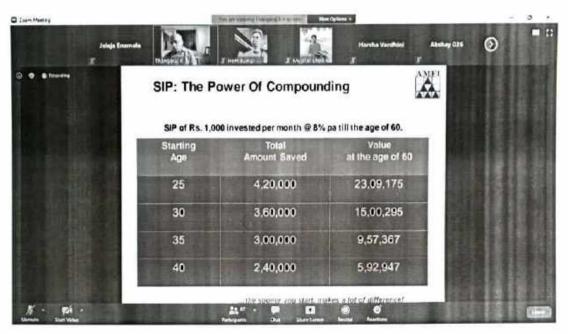


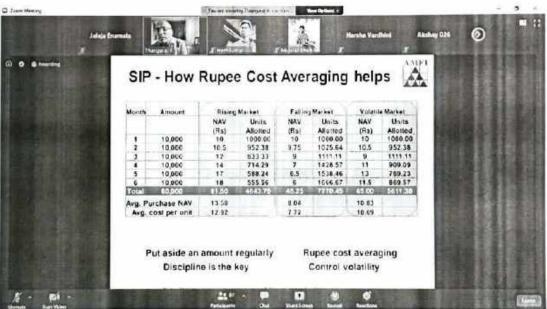


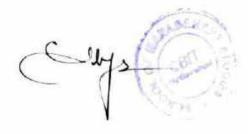












### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

## SCHOOL OF MANAGEMENT STUDIES

Attendance 26.08.202

Roll No.	Name	
1601-19-672-001	ASHWINI A	р
1601-19-672-003	BHARGAVI PANDIKONDA	р
1601-19-672-004	CHAITANYA KIRAN P	р
1601-19-672-005	HARSHITHA A	р
1601-19-672-006	HARSHITHA DURGAM	р
1601-19-672-007	HEMA SRI HASINI K	р
1601-19-672-008	JAYALAXMI C	р
1601-19-672-009	KAVITA RAJ TEKI	р
1501-19-672-010	MANASA BEJUGAM	р
1601-19-672-012	MRINALINI RAO B	р
1601-19-672-013	PRAVALLIKA K	р
1601-19-672-014	PREETHI MUTHYALA	р
1601-19-672-015	PRERNA D	р
1601-19-672-016	PRIYANKA ANANTHARAM	р
1601-19-672-020	SARAYU B	р
1601-19-672-021	SIRISHA MANUKONDA	р
1601-19-672-022	SREERAMULU VYSHNAVI DATTA GANDI	р
1601-19-672-023	SUJANA MANAPURAM	р
1601-19-672-024	TANISHQ P	р
1601-19-672-025	VAISHNAVI M R	р
1601-19-672-027	ARAVIND VEDALA	р
1601-19-672-028	ARUN CHOWHAN M	р
1601-19-672-029	ASIF KHAN MD	p
1601-19-672-030	BHARATH KONDREDDY	р
1601-19-672-031	BRAHMESWARA RAO URIMELLA	р
1601-19-672-032	FAYAZ KURPALLI	р
1601-19-672-033	HEM KUMAR REDDY MARYADA	р
1601-19-672-034	LUKA EMMANUEL JUTTIKE	р
1601-19-672-035	NARESH U V	р
1601-19-672-036	NIKHIL KUMAR DAIKI	р



1601-19-672-039	RAFIUDDIN ANSARI MD	р
1601-19-672-041	RAJASHEKAR T	p
1601-19-672-042	RAJESH KANIGANTI	р
1601-19-672-043	RAKSHAN GIREDDY JP	р
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1601-19-672-050	SHIVA PRASAD MADIPADIGA	р
1601-19-672-051	SITARAMA AKHIL BANGARU	р
1601-19-672-052	SRI HARI BANDARU	р
1601-19-672-055	SRIKANTH S V V	p
1601-19-672-056	SRINIVAS CH	р
1601-19-672-057	SUDHEER GOUD CHITLA	p
1601-19-672-058	SURYA K	р
1601-19-672-059	VENKATA NARASIMHA REDDY YENNAM	р
1601-19-672-060	VENKATA SAI KRISHNA KARTHIK MUKTEVI	р
1601-17-672-001	AARTI (READMISSION)	р
1601-19-672-061	Aishwarya Pulpa	р
1601-19-672-062	Anooha Narayana Nukkula	р
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1601-19-672-064	Divija Dinnepadu	р
1601-19-672-065	Divya Ragulapally	р
1601-19-672-066	Divya Sree B	р
1601-19-672-067	Harsha Vardhini Valavoju	р
1601-19-672-068	Himabindu Gummadi	р
1601-19-672-069	Mahitha Duvvuri	p
1601-19-672-070	Manasa Duvvuri	p
1601-19-672-072	Navya Tejaswini Sheelam	p
1601-19-672-073	Niharika Jakkula	p
1601-19-672-074	Rakshanda Rasheeda Aziz	p
1601-19-672-075	Ramya Nandini	
1601-19-672-076	Santoshini Bondala	р

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Sathira Ummul Khair	p
Shalini Gaddamidi	p
Sharanya Peteru	р
Swathi Taraka	p
Tarika J P	1000
Tejaswi Tippani	p
Vijaya Bhavani Toleti	p
Zuhisha Siddiqua	p
Abhinav Ambati	p
Anil Kumar B	p
Bhanuchandar Chary Vadla	р
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Similari Cimiara Carroja	р
	Shalini Gaddamidi Sharanya Peteru Swathi Taraka Tarika J P Tejaswi Tippani Vijaya Bhavani Toleti Zuhisha Siddiqua Abhinav Ambati



1601-19-672-116	Shree Ram Dubbala	р
1601-19-672-117	Uday Bellamkonda	р
1601-19-672-118	Venkata S S Anvesh Turlapati	р
1601-19-672-119	Vinceth Bandi	р
1601-19-672-120	Vishwa Teja Prachodhan Battu	p

## HOD SMS







# Institute Innovation Cell - CBIT

Presents - A session on

EMPOWERMENT OF WOMEN THROUGH INNOVATION AND ENTREPRENEURSHIP

24th April 2021; 11:00 AM -12:30 PM

All Academicians, Research Scholars, Practitioners, and Students can Participate

# Speaker: Prof. G. Surender Reddy

National Convener, 31 STEM Forum, Hyderabad, Advisor & Mentor, BYST (CII), Director, SIMANOR Chief Advisor, Sagar Asia Group of Companies, Chief Mentor, Laghu Udyog Bharati, Telangana State, Chief, Strategy & Business Development & Corporate Advisor, Butterfly Fields Pvt. Ltd., LLC (USA)



# A Report on the Self-Driven IIC Activity on "EMPOWERMENT OF WOMEN THROUGH INNOVATION AND ENTREPRENEURSHIP"

Speaker: Prof. G. Surender Reddy,

Chief Mentor, Laghu Udyog Bharati, Telangana State, Chief, Strategy & Business Development & Corporate Advisor, Butterfly Fields Pvt. Ltd., Chief Advisor, Sagar Asia Group of Companies, National Convener, 31 STEM Forum, Hyderabad, Advisor & Mentor, BYST (CII), Director, SIMANOR LLC (USA)

Date: 24.04.2021

Time: 11:00AM - 12:30 PM

Mode: Online through Microsoft Teams

No. of participants: 135

Hosted by: Dr. E. Jalaja, Associate Professor, SMS-CBIT.

Video Link

https://drive.google.com/file/d/17GwylNVM0VPDc\_Pp1vvuQN12w34JYmyz/view?usp=sharing

Report by: Dr. E. Jalaja, Associate Professor, SMS-CBIT.

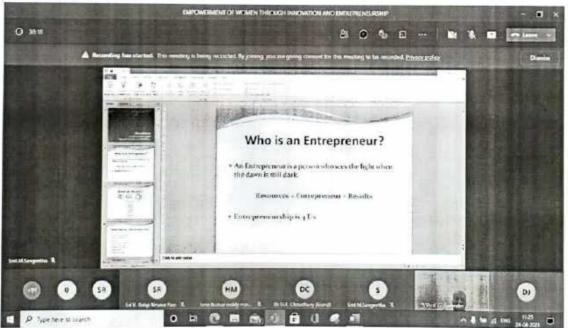
Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad has organized an IIC Self – Driven Activity on the topic "Empowerment of Women through Innovation & Entrepreneurship". This Session has started with the welcome speech by of Dr. U. K. Chowdhury, Director Innovation & Incubation cell, CBIT. He has highlighted the importance of innovations in the current situations. Later Prof. G. Surender Reddy, Chief Mentor Laghu Udyog Bharathi, has stressed on the following points

- Importance of Entrepreneurship
- Challenges faced by entrepreneurs
- · Entrepreneurship among men and women
- · How women entrepreneurs are better
- Necessity for women entrepreneurship

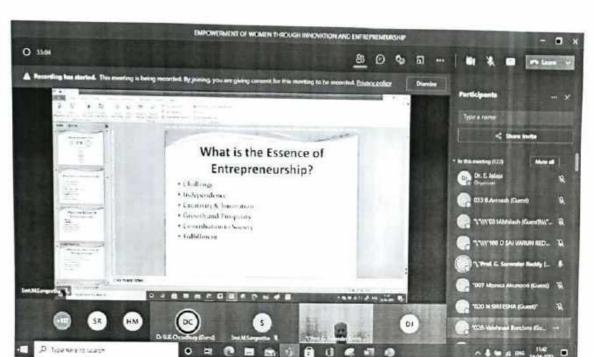
More than 135 participants have attended this session. Among them nearly 20 are faculty members of different departments and remaining are students from both MBA and Engineering. Prof. G. Surender has announced extending the support to CBIT, in financial assistance and in other aspects.











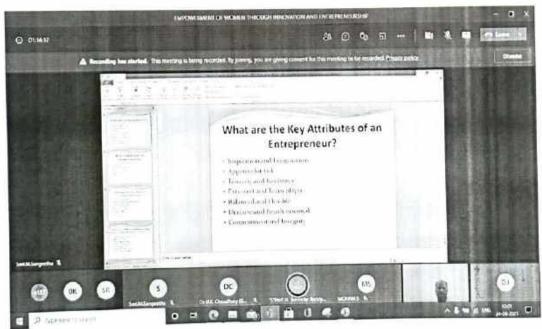




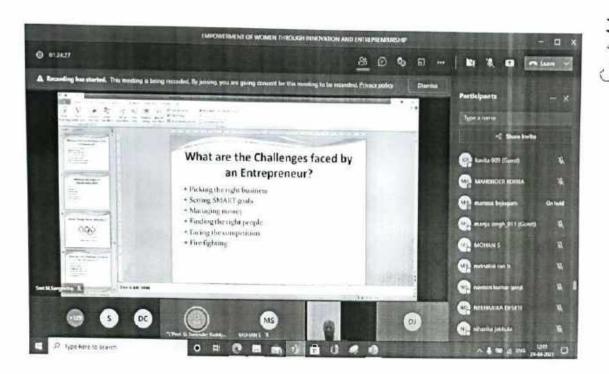
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# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

# SCHOOL OF MANAGEMENT STUDIES

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1601-19-672-003	BHARGAVI PANDIKONDA	p
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1601-19-672-015	PRERNA D	р
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1601-19-672-032	FAYAZ KURPALLI	p
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1601-19-672-034	LUKA EMMANUEL JUTTIKE	p
1601-19-672-035	NARESH U V	p
1601-19-672-036	NIKHIL KUMAR DAIKI	p

innovation and Entrepreseurship.



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1601-19-672-075	Ramya Nandini	р
1601-19-672-076	Santoshini Bondala	1



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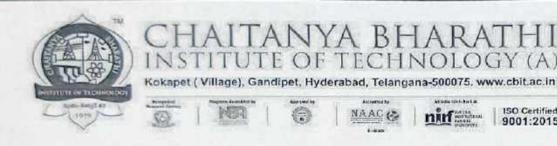
1601-19-672-077	Sathira Ummul Khair	р
1601-19-672-078	Shalini Gaddamidi	p
1601-19-672-079	Sharanya Peteru	p
1601-19-672-081	Swathi Taraka	
1601-19-672-082	Tarika J P	p
1601-19-672-083	Tejaswi Tippani	p
1601-19-672-084	Vijaya Bhavani Toleti	P
1601-19-672-085	Zuhisha Siddiqua	р
1601-19-672-086	Abhinav Ambati	p
1601-19-672-088	Anil Kumar B	p
1601-19-672-091	Bhanuchandar Chary Vadla	p
1601-19-672-092	Bhuvaneshwara Achari Pirangi	p
1601-19-672-093	Chandrakishore Sathu	p
1601-19-672-094	Deepak Pasala	р
1601-19-672-095	Dinesh Kumar A	р
1601-19-672-096	Jagadeesh Baman	p
1601-19-672-097	Mohamed Azeemuddin	p
1601-19-672-098	Murali Krishna G	р
1601-19-672-099	Naga Peddiraju Chennnu	р
1601-19-672-100	Naresh Gurram	р
1601-19-672-101	Naveen Kumar Ganji	р
1601-19-672-102	Pavan Sai Kailas	р
1601-19-672-103	Piyush Agarwal	р
METALOG WITH SOUTH POLICE AND	Rajesh Madhavarapu	р
1601-19-672-105		р
1601-19-672-106	Ranjith Katakam	р
1601-19-672-107	Rohit Joshi	р
1601-19-672-108	Sadaq Ali Md	р
1601-19-672-109	Sahil P	р
1601-19-672-110	Sai Teja S	p
1601-19-672-111	Sampath Kumar Nune	р
1601-19-672-112	Sandeep Reddy D	р
1601-19-672-113	Shaik Mujafar	p
1601-19-672-114	Sharath Chandra Lakkoju	р
1601-19-672-115	Sheshan U	p

( Selection )

Colys

1601-19-672-116	Shree Ram Dubbala	р
1601-19-672-117	Uday Bellamkonda	р
1601-19-672-118	Venkata S S Anvesh Turlapati	р
1601-19-672-119	Vineeth Bandi	р
1601-19-672-120	Vishwa Teja Prachodhan Battu	p
Faculty	Dr.S Saraswathi	р
Faculty	Dr. T.S.Poornachandirka	p
Faculty	Dr.E.Jalaja	р
Faculty	Dr.M.Narender	р
Faculty	Dr.M.Anil Kumar	р
Faculty	Dr. P. Mandakini	р
Faculty	Ms. Lavanya	p
Faculty	Ms. Sangeetha	p
Faculty	Ms. Bhagyalakshmi	p
Faculty	Mr. Varaprasad	p
Faculty	Dr. Indira	р
Faculty	Dr. Shanmukhi	р
Faculty	Dr. Damanjeet	р
Faculty	Mr. Tulasiram	р
Faculty	Mr. V.Balaji Kesava Rao	р
Faculty	Ms. Manasa	р
Faculty	Ms. Anitha Kumari	p
Faculty	Ms. Mounika	р

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# SCHOOL OF MANAGEMENT STUDIES

Presents a One Day Workshop on

"RECENT ADVANCES AND DISRUPTIVE TECHNOLOGIES IN
HRM- ISSUES & CHALLENGES"

20th February 2021, 09:00 am - 04:30 pm

Academicians, Industry Professionals, Entrepreneurs, R&D Institutes, Practitioners, Consultants, Research Scholars and Students can participate

# Speakers:

Dr. Y. MANOHAR Adjunct Professor GHBS, GITAM, Former director & Board Member-RINL/Vizag Steel plant Dr. M. BHASKARA RAO ICFAI Business School, The ICFAI Foundation for Higher Education Mrs. K. SUCHITRA Senior manager HRBP, Elanco Innovation and Alliance Center

Chief Patron:

KAVIKIREFII DR. V. MALAKONDA REDDY, President, CBIT

Chairman:

Prof.G.P.SARADHIVARMA, Principal, CBIT

Co-Chairman:

DR. S. SARASWATHI, I/c Head, CBIT-SMS

Advisor:

Sri. V.BALAJI KESAVA RAO, Asst. Prof. Practice

Conveners:

Dr.T.S. POORNACHANDRIKA, CBIT-SMS

Dr. E. JALAJA, CBIT-SMS

Co-Conveners:

Ms. J. MOUNIKA REDDY, CBIT

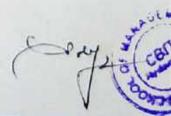
Mr. S. TUL SI RAM, CBIT-SMS

Student Coordinators:

Aravinda chary Andoju: 9912315494

Sharath chandra Lakkoju: 7396747363

E-Certificate will be issued to all the Participants after feedback.



# BRIEF REPORT ON THE ONE DAY NATIONAL WORKSHOP"RECENT ADVANCES AND DISRUPTIVE TECHNOLOGIES ION HRM -ISSUES & CHALLENGES

The One Day National HR Workshop, "Recent Advances and Technological Disruptions in HRM-Issues & Challenges" was organized by CBIT-School of Management Studies on 20.02.2021. There were totally 300 participants registered for the Programme. The Convenors of the workshop are Dr.T.S. Poornachandrika and Dr.E. Jalaja. The advisor of the Programme is Shri V.B.K. Rao and the Co-Convenors of the Programme are Mrs. J. Mounika Reddy and Shri P. Tulsiram. The Participants were from Industry and Academia. The Programme had three sessions chaired by three eminent HR Practioners followed by Panel Discussion. Dr. Manohar Yelisettygaru, Adjunct Professor, GITAM & former Director & Board Member RINL/Vizaq Steel Plant, Dr. Bhasker Rao garu Senior Professor, ICFAI Business School and Mrs. Suchitra, Senior Manager HRBP, Elanco Innovation and Alliance Centre addressed on the theme from public sector perspective, Academia and the Private Sector Perspective. Over all the the Programme covered the Emerging issues and Technological Disruptions in HRM.

The Inagural Function commenced at 9.30AM With the lightening of the Virtual Lamp and the Prayer song by Miss.Mrinalini(MBA II Year), The Master of inaugural ceremony was Mrs.J.Mounika Reddy,Co-Convenor of the Workshop, The In-Charge Head of the Department has given her brief address on the topic and the overview about the Department followed by the Convenor Dr.T.S.Poornachandrika's address and introduction about the theme of the one Day National HR Workshop followed by the first Resource Person's session.

The First session addressed the Theme "Recent Advances and Technological Disruptions in HRM-Issues & Challenges" from the Public Sector perspective. The Resource person Dr. Manohar spoke at length about the automation and Digitalisation of the Manual Operations in Vizaq Steel Plant and how the disruptions in HRM has created a need for the change in the policy and the procedural frame work of the HR Department, Moreso ever to keep abreast of the the trends and the emerging technologies , how the organisations have to be ready . The first session concluded at 11.30am. Dr.E. Jalaja , Convenor addressed the participants on the need & importance of organizing the workshop in the era of Technological Disruptions. Mr.V.B.K. Rao addressed the participants on the changing scenario of HRM and how the HR Mangers have to be proactive in imbibing the latest trends & Technologies in the field of HRM.

The second session started at 11.30AM.This knowledge session was by Dr.M.Bhaskara Rao ,ICFAI Business School.The Speaker started the session by asking the Paricipants a question in the chat Box which asked the participants about their expectations about the Programme and instanly there was a graph which appeared on the screen based on their Answers. Therefore it was an innovative way to address the audience in the workshop.The speaker addressed the theme from the academia and also in the multidimensional perspective, answering all the questions of the Participants in between. The session was quite interactive. He also spoke about the Digital Transformations in HRM and addressed the challenges faced by the organisations to imbibe these transformational changes successfully.

The session concluded at 1,15 PM. The post lunch session commenced from 2PM Onwards and it was handled by Mrs Suchitra. Senior Manager, Elanco and a Techno HR Practioner. She addressed the theme from the technology Perspective and said how technological inventions can steer the discipline of HRM into a altogether New Direction. She touched upon the emerging Technologies in

HRM Like HR Analytics and other ERP Packages and spoke about how these technologies have facilitated in the creation of New jobs in HRM. She stressed on the Human Touch in HRM

She said that when the World is swept away by the technological wave ,the discipline of HRM is no exception. The HR Manager in an organisation has to be proactive to gain insights into all the emerging trends in HRM.

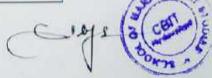
After the Session -III, there was a Panel Discussion in which all the expert speakers were involved and answered all the Intellectual queries raised by the Participants. The III Session was immediately followed by Valedictory Function. The Master of Ceremony for the Valedictory Function was Mr.P. Tulasiram, Co-Convenor of the Workshop. The one Day National HR Workshop concluded on a Happy Note.

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### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

The Following students attended HR workshop on 20th February, 2020

S.No	Admn.No	Roll No.	Name of the Candidate
1	1910202	1601-19-672-061	AISHWARYA PULPA
2	1910233	1601-19-672-062	ANOCHA NARAYANA NUKKULA
3	1910212	1601-19-672-063	ANUHYA RAO NAGINENI
4	1910243	1601-19-672-064	DIVIJA DINNEPADU
5	1910215	1601-19-672-065	DIVYA RAGULAPALLY
6	1910256	1601-19-672-066	DIVYA SREE B
7	1910219	1601-19-672-067	HARSHA VARDHINI VALAVOJU
8	1910235	1601-19-672-068	HIMABINDU GUMMADI
9	1910246	1601-19-672-069	MAHITHA DUVVURI
10	1910255	1601-19-672-070	MANASA DUVVURI
11	1910216	1601-19-672-072	NAVYA TEJASWINI SHEELAM
12	1910237	1601-19-672-073	NIHARIKA JAKKULA
13	1910236	1601-19-672-074	RAKSHANDA RASHEEDA AZIZ
14	1910242	1601-19-672-075	RAMYA NANDINI
15	1910208	1601-19-672-076	SANTOSHINI BONDALA
16	1910223	1601-19-672-077	SATHIRA UMMUL KHAIR
17	1910230	1601-19-672-078	SHALINI G
18	1910201	1601-19-672-079	SHARANYA PETERU
19	1910207	1601-19-672-081	SWATHI TARAKA
20	1910238	1601-19-672-082	TARIKA J P
21	1910221	1601-19-672-083	TEJASWI TIPPANI
22	1910257	1601-19-672-084	VIJAYA BHARGAVI JOLETI
23	1910205	1601-19-672-085	ZUHISHA SIDDIQUA
24	1910241	1601-19-672-086	ABHINAV AMBATI
25	1910260	1601-19-672-087	ABHIROOP NAIK
26	1910214	1601-19-672-088	ANIL KUMAR B
27	1910251	1601-19-672-089	ARAVINDA CHARY ANDOJU
28	1910253	1601-19-672-090	ARUN TEJA DUDYALA
29	1910224	1601-19-672-091	BHANUCHANDAR CHARY VADLA
30	1910248	1601-19-672-092	BHUVANESHWARA ACHARI PIRANGI



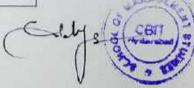
No	Admn.No	Roll No.	Name of the Candidate
31	1910226	1601-19-672-093	CHANDRAKISHORE SATHU
32	1910209	1601-19-672-094	DEEPAK PASALA
33	1910211	1601-19-672-095	DINESH KUMAR A
34	1910217	1601-19-672-096	JAGADEESH BAMAN
35	1910254	1601-19-672-097	MOHAMMED AZEEMUDDIN
36	1910229	1601-19-672-098	MURALI KRISHNA G
37	1910203	1601-19-672-099	NAGA PEDDIRAJU CHENNNU
38	1910258	1601-19-672-100	NARESH GURRAM
39	1910206	1601-19-672-101	NAVEEN KUMAR GANJI
40	1910210	1601-19-672-102	PAVAN SAI KAILAS
41	1910244	1601-19-672-103	PIYUSH AGARWAL
42	1910231	1601-19-672-105	RAJESH MADHAVARAPU
43	1910250	1601-19-672-106	RANJITH KATAKAM
44	1910247	1601-19-672-107	ROHIT JOSHI
45	1910227	1601-19-672-108	SADAQ ALI MD
46	1910204	1601-19-672-110	SAI TEJA S
47	1910232	1601-19-672-111	SAMPATH KUMAR NUNE
48	1910234	1601-19-672-112	SANDEEP REDDY D
49	1910228	1601-19-672-113	SHAIK MUJAFAR
50	1910220	1601-19-672-114	SHARATH CHANDRA LAKKOJU
5	1 1910222	1601-19-672-115	SHESHAN U
5	1910239	1601-19-672-116	SHREE RAM DUBBALA
5	3 1910218	1601-19-672-117	UDAY BELLAMKONDA
5	4 1910245	1601-19-672-118	VENKATA S S ANVESH TURLAPATI
5	5 1910252	1601-19-672-119	VINEETH BANDI
5	6 1910213	1601-19-672-120	VISHWA TEJA PRACHODHAN BATTU



### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

The Following students attended HR workshop on 20th February, 2020

S.No	Admn.no	Roll No.	Name of the Candidate
1	1910140	1601-19-672-001	ASHWINI A
2	1910116	1601-19-672-002	AZIZA SALMA
3	1910112	1601-19-672-003	BHARGAVI PANDIKONDA
4	1910110	1601-19-672-004	CHAITANYA KIRAN P
5	1910145	1601-19-672-005	HARSHITHA A
6	1910126	1601-19-672-006	HARSHITHA DURGAM
7	1910106	1601-19-672-007	HEMA SRI HASINI K
8	1910113	1601-19-672-008	JAYALAXMI C
9	1910101	1601-19-672-009	KAVITA RAJ TEKI
10	1910104	1601-19-672-010	MANASA BEJUGAM
11	1910122	1601-19-672-011	MANJU SINGH SHEKHAWAT
12	1910124	1601-19-672-012	MRINALINI RAO B
13	1910156	1601-19-672-013	PRAVALLIKA K
14	1910150	1601-19-672-014	PREETHI MUTHYALA
15	1910119	1601-19-672-015	PRERNA D
16	1910133	1601-19-672-016	PRIYANKA ANANTHARAM
17	1910152	1601-19-672-018	SAKSHIJAIN
18	1910151	1601-19-672-020	SARAYU B
19	1910108	1601-19-672-021	SIRISHA MANUKONDA
20	1910139	1601-19-672-022	GANDI
21	1910105	1601-19-672-023	SUJANA MANAPURAM
22	1910138	1601-19-672-024	TANISHQ P
23	1910159	1601-19-672-025	VAISHNAVI M R
24	1910123	1601-19-672-026	AKSHAY METHRI
25	1910120	1601-19-672-027	ARAVIND VEDALA
26	1910128	1601-19-672-028	ARUN CHOWHAN M
27	1910135	1601-19-672-029	ASIF KHAN MD
28	1910118	1601-19-672-030	BHARATH KONDREDDY
29	1910103	1601-19-672-031	BRAHMESWARA RAO URIMELLA
30	1910149	1601-19-672-032	FAYAZ KURPALLI



5.No	Admn.no	Roll No.	Name of the Candidate
31	1910155	1601-19-672-033	HEM KUMAR REDDY MARYADA
32	1910134	1601-19-672-034	LUKA EMMANUEL JUTTIKE
33	1910115	1601-19-672-035	NARESH U.V
34	1910125	1601-19-672-036	NIKHIL KUMAR DAIKI
35	1910143	1601-19-672-037	NILESH KONAKALLA
36	1910154	1601-19-672-038	PUNEET KUMAR AVVALDAR
37	1910111	1601-19-672-039	RAFIUDDIN ANSARI MD
38	1910114	1601-19-672-040	RAJA SHEKAR GOUD GADAMID
39	1910132	1601-19-672-041	RAJASHEKAR T
40	1910121	1601-19-672-042	RAJESH KANIGANTI
41	1910129	1601-19-672-043	RAKSHAN GIREDDY JP
42	1910142	1601-19-672-044	RAMESH P
43	1910144	1601-19-672-045	RANDEEP REDDY M
44	1910109	1601-19-672-047	SAI DINESH RACHAPUDI
45	1910136	1601-19-672-049	SHASHIKANTH NAGULAPALLY
46	1910147	1601-19-672-050	SHIVA PRASAD MADIPADIGA
47	1910102	1601-19-672-051	SITARAMA AKHIL BANGARU
48	1910137	1601-19-672-052	SRI HARI BANDARU
49	1910157	1601-19-672-053	SRIKANTH NEERATI
50	1910141	1601-19-672-054	SRIKANTH MERAVATH
51	1910148	1601-19-672-055	SRIKANTH S V V
52	1910130	1601-19-672-056	SRINIVAS CH
53	1910131	1601-19-672-057	SUDHEER GOUD CHITLA
54	1910146	1601-19-672-058	SURYA K
55	1910107	1601-19-672-059	VENKATA NARASIMHA REDDY YENNAM
56	1910117	1601-19-672-060	VENKATA SAI KRISHNA KARTHIK MUKTEVI
57	1710139	1601-17-672-001	AARTI (READMISSION)







