	ANYA BHARATHI FE OF TECHNOLOGY (A) nelipet, Hyderabad, Telangena-500075, www.cbit.ac.in	
	0 1 MAS @ nit = 200 fattes	years
S	ERTIFICATE OF ACHIEVEM	IENT
This is to Certify that	Ms.Afiza bee	
of Chaltanya Bharathi Insti	tute of technology , Hyderabad	has successfully qualified in the
National Level E-Quiz Competition in	Mathematics organized by The Ramar	ujan Math Club of CBIT, Department of
Mathematics, Gandipet, Hyderabad	on 11/11/2022 with a score of 74%. We	appreciate and Congratulate your efforts.
Hauter	p-Reinkesen	Q. anget
Dr. MAMTA THAKUR	Dr. P RAJ REDDY	Dr. P. RAVINDER REDDY
CONVENER	HOD - DEPT. OF MATHEMATIC	S PRINCIPAL

		Y (A) willian in NOVATION , EDUCAT	
S	UDHEE (Ignite Innate Innov		
	23 - 24 Ma		
CEPTIEN	ATE OF PA	RTICIPATION	
CERTIFIC			J
This is to certify that Mr. / Ms.	AFI	ZA BEE	« G
2" YEAR	(ECE)	has p	articipated in "Sudhee-2022"
and presented a Paper/Poster/Project-Exp	o in the event	CIRCUIT	DESIGN
during 23 - 24 March 2022 at Chaitanya			abad - 500 075, Telangana,
India.			
		G	P.a. nor
Prof. D. Krishna Reddy			rof. P. Ravinder Reddy
Chairman, Sudhee-2022			Principal, CBIT(A)
	~~~		\$C.17
132	))(C		DUD/ U



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

#### No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



This certificate is awarded to

### AFIZA BEE

for successfully completing the course

### **Data Science for Engineers**

with a consolidated score of 65 %

Online Assignments 22.21/25 Proctored Exam 43.25/75

Total number of candidates certified in this course: 1264

Devendre Jalihal

Prof. Devendra Jalihal Chairman Centre for Continuing Education, IITM

Jan-Mar 2022 (8 week course)



Prof. Andrew Thangaraj NPTEL, Coordinator IT Madras



Indian Institute of Technology Madras

int : रोपाइतेवट्रीनिक्स Gram: DEFELECTRONICS प्रेन्सा/Fax: 040-24440525/24142976 दूरश्ली/Phone: 040-24440063 Mobile: 9490754161 email: cangaswamy.bis.dtri@igov.in



Ø

संग्रमानक तालगुनेक्टर 120000/2200759-2022 भारत संरचार - रक्षा मंत्रात्स्य द्वाल वालाक, काल्कारन विश्वलिय रक्षा अनुसंधान एवं विकास संगठन विद्यार्थिय होनेक्स अनुसंधान प्रयोग शाला विद्यार्थी द्वार्थियहीनिक्स अनुसंधान प्रयोग शाला विद्यार्थी पुष्ट्रा लाईन्स्र (Chandrayinguna Units हेंदराबाद / Hydrianaba 560.805 (तेलंगाना राज्य) भारत

Date: 21* March 2922

To

Dr. P. Ravinder Reddy, Principal Chaitanya Bharathi Institute of Technology(CBIT) Gandipet, Hyderabad-500075, T.S

#### Sub: Invitation to DLRL's Diamond Jubilee Exhibition

Sir.

Warm greetings from Defence Electronics & Research Laboratory(DLRL). Hyderabad, DLRL, a premier lab of Defence Research & Development Organization (DRDO), working in design and development of state-of-theart Electronic Warfare(EW) Systems.

- DLRL completed 60 years and celebrated its Diamond Jubilee Function on 19th March 2022. On this occasion, Chairman DRDO inaugurated DLRL product exhibition. The exhibition has DLRL photo section showing significant moments since inception. The product section has models of DLRL systems and technology modules.
- It gives us immense pleasure to extend an invitation to your students to enable them to have an exposure & overview of the EW technologies and systems.

Schedule, timings and details are given below. Date: 21# - 23rd March 2022 Timings: (a) 10:30 hrs. to 12:30 hrs. (b) 14:30 hrs. to 16:30 hrs.

- You may please provide the list of students nominated for the visit along with details of person Liaising from the College. You may please contact the undersigned for further details.
- 5. Expecting to hear from you at the earliest to facilitate smooth visit at DLRL.

1

With Warm Regards.

BN Rangaswamy, Sc F Head, P&C For Director DLRL

Sno	erept.	Section	Roll No.	Name of the student	Sno	Dept.	Section	Roll No.	Name of the student
+	ECE	VI-ECE-T	160119735004	Esha Vayshinavi	32	ECE	ECE-02	160120735087	Gundeboina
2	ECE	I-SEM/ECE		and a strateging the state of t	33	ECE	ECE-02	160120735088	
3	ECE	I-SEM-ECE			34	ECE.	ECE-02	160120735090	
5	EC.E.	-SEM-ECE	and the local data and the second secon	Mounika Pasham	35	DCT.	ECE-02	160130735095	Emmadi Nithinkumar
6	ECE	VI-ECE-8			36	DCE.	ECE-02	160120735096	Probley Atomic Problem
7	ECE	VI-ECE-9		Junyi Reddy	37	ECE	ECE-02	160120735097	K promay rai
8	ECE	VI-ECE-3		Ching Agarwal	38	ECE:	ECE-02	160120735101	Sridatta (AC-V
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iil	ECE	VI-ECE-12		Padige Kalyan Kumar	41	ECE	ECE-02	160120735110	
12	ECE.	VI-ECE-13		S. Lalith Adithyan	- 42	ECE.	the second second second second	160120735309	U Albila
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7	ECE	VI-ECE-15	160119735167	MVS Bharadwai					
8	ECE	VI-ECE-18		K Sai Kumar Reddy					
9	ECE I	VI-ECE-16	160119735173	Saketh Raghay	(				
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TOASTMASTERS CBIT



# **CERTIFICATE OF PARTICIPATION**

This certificate is presented to

Geetha Vadthya

for attending the event "IGNITE 3.0" organized by TOASTMASTERS CBIT on 26th August, 2022.

K. NAVEEN KUMAR FACULTY COORDINATOR TMCBIT

D ASRITHA PRESIDENT TMCBIT







# MAKERS OF INDIA 2021 CERTIFICATE

This is to certify that Mr. / Ms. HAMSIKA of CBIT has participated in **Project Expo** with a project entitled " IMPLEMENTATION OF PASSWORD BASED SECURITY SYSTEM " on 11th December 2021 at Chaitanya Bharathi Institute of Technology (A), Hyderabad - 500075, Telangana, India.

P. Satur

**Dr. P. Sathish** Faculty Incharge, MOI 2021



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

Clar

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

#### Roll No: NPTEL21H557543633762

To BANDAGUNTA MAHITHA H NO. 7-1-302/66/8 DASARAM BASTHI, B K GUDA, HYDERABAD TELANGANA - 500038 PH. NO :7995671116

Score	Type of Certificate				
>=90	Elite+Gold				
75-89	Elite+Silver				
>=60	Elte				
40-59	Successfully Completed				
<40	No Certificate				

No. of credits recommended by NPTEL:2 An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.





This certificate is awarded to

### BANDAGUNTA MAHITHA

for successfully completing the course

## **Developing Soft Skills and Personality**

with a consolidated score of 56

%

Online Assignments | 14.71/25 | Proctored Exam | 41.14/75

Total number of candidates certified in this course: 8853

Prof. Rajesh M.Hegde Chairman, Centre for Continuing Education ET Konpur

Aug-Oct 2021 (8 week course)



Prof. Satyaki Roy NPTEL Coordinator IIT Kanpur



Indian Institute of Technology Kanpur















# DEPARTMENT OF PHYSICAL EDUCATION ANNUAL SPORTS MEET- SHRUTHI - 2022

9001-201



## **CERTIFICATE OF MERIT**

This	is a cerufy	that Mr/Ms	Mahitha	, the Student / Staff
ЪÍ.	BE 2/4	ECE		for securing Winner up / Runner up
/ Firs	t / Second /	Third Place in_	Cricket	at Annual Sports Meet-2022.

Dr. R. Rajeswari **Convener, Sports Committee** 

25th March 2022

Prof. P. Ravinder Reddy Principal

Scanned with CamScanner





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## THE ART OF LIVING FOUNDATION

www.artofliving.org

To,

Dr. P. Ravinder Reddy Sir

Principal

Chaitanya Bharathi Institute of Technology

Gandipet (M), Kokapet (V)

### Subject: To Conduct The Art of Living's YesI+ Program on campus.

Dear Sir,

We are seeking permission to organize the YESI+ program on campus during the dates 27th - 31st December, 2021 (27th, 28th - 9:10 am to 1:30 pm | 29th to 31st - 9:10 am to 4:00 pm). On completion of the workshop a certificate is presented to them from The Art of Living.

This workshop will be coordinated by Anuraag, who will be volunteering with the students and will handle all the logistics and operations of the workshop during the mentioned dates & time.

This workshop will be facilitated by our esteemed faculty, Mr.Manas Ram.

We request you to kindly grant us permission for the same and also request you to grant full attendance to all the students attending the workshop for these dates.

14

20/12/22

Yours sincerely,

YES!+ Team

(The Art of Living)

Art of Living International Center Ved Vignan Maha Vidya Peeth 21st Km, Kanakapura Road, Udayapura Bangalore, Karnataka 560 082, India. YEST WERESHOP PARTICEPANTS REFT. 27/10/2021 to 21/10/2021.

Name	Phone no.	Branch	
AARTHI JURYALA	9390317394	AI-DS	
G.V.RANJIT	7337554524	AI-DS	
M.ADITHI	8465004363	AI-D5	
S.NEHA REDDY	9440163372	AI-DS	
A.PRANAV REDDY	630556970	3 CSE-1	
A SNIGDHA	939285657	2 CSE-1	
B.SATVIKA	767401343	4 CSE-1	
C.VINAY KUMAR	700656779	0 CSE-1	
CH SAI AKSHITHA	789380269	and the second se	
LALASA	901437925	the second s	
M.SAI GANESH	701375407		
MEGHANA GANAPURAM	630339177	and the second se	
NIKHITHA TUBATI	965239331		
PJYOTHI SREE	733046707	and the second se	
RAM CHARAN	630977107		
SHAIK ABDUL KHADER AL AMOUDI	906323900	and the second se	
V.NIKITA	964239896	and the second se	
V.PRATHAM REDDY	86882583		
SYED NOOR MOHAMMED	79896214	the second s	
D V SHRESTA	88977049		
1 RISHITHA REDDY GUDIPATI	73868130		
2 PALLAVI	the second se	83 ECE D-2	
3 RISHIKESH		89 ECE D-2	
4 RISHITHA	and the second se	59 ECE D-2	
5 SAI PRIYA		72 ECE D-2	
6 SAKETH KUMAR			L
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3 K.MEGHANA	8919561	917 ECE E-2	-
4 K.PRANAY RAJ	63020735	097 ECE E-2	-
SKVARUN	8919435	017 ECE E-2	
6 P.ESHWAR	6309308	821 ECE E-2	
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ITT SUPPLIED GLAMS DEFESTERONCS DIRECTION DID JAAADS25/24442976 GENTR/ Priorie D4D 244440063 Mobile 8490754263 email: rangaswamy.lim.dHt@paik.in



Date 214 March 2022

Ta

Dr. P. Ravinder Reddy, Principal Chaitariya Bharathi Institute of Technology(CBIT) Gandipet, Hyderabad-500075, T.S.

#### Sub: Invitation to DLRL's Diamond Jubilee Exhibition

Sir,

Warm greetings from Defence Electronics & Research Laboratory(DLRL). Hyderabad, DLRL, a premier lab of Defence Research & Development Organization (DRDO), working in design and development of state-of-theart Electronic Warfare(EW) Systems.

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- You may please provide the list of students nominated for the visit along with details of person Liaising from the College. You may please contact the undersigned for further details.
- 5. Expecting to hear from you at the earliest to facilitate smooth visit at DLRL.

With Warm Regards.

BN Rangaswamy, Sc F Head, P&C For Director DLRL

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-1	ECE	VI-ECE-1	160119735004	Esha Vayshnavi	5ino 32	Dept.	Section	Roll No.	Name of the student
2	ECE	I-SEM-ECE-	160119735007	K-Mirmana	33	ECE	DCT-02	160120735087	Gandeboina
2	TICE	-SEM-ECE-	160119735009	Guduru Lasya	34	ECE	ECE-02	10/0120735088	
4	ECE	SEM-ECE			.14	ECE	ECE-02	160120735090	Kumin yaday
5	ECE	VI-ECE-8	160119733121		36	ECE	DCE-02	160120735095	Emmadi Nithinkumar
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7	ECE	VI-ECE-3	160119735140	Ching Agarwal	38	ECE	ECE-02	160120735097	
8	ECE	VI-ECE-17	160119735144	Gimisalyarth	30	ECE	ECE-02	160120735101	
9	ECE	VI-ECE-5		Harikrishna Nahamasu	-	ECE	ECE-02	160120733103	Julakanti sai ganesh
10,	ECE	VI-ECE-12	160119735147	Padige Kalyan Kumar	:40	ECE	DCE-02	160120735109	
11	ECE	VI-ECE-13	160119735150	S. Lalith Adithyan	41	ECE	ECE-02	160120735110	
2	ECE	VI-ECE-6	160119733158	P Noin	42	ECE	ECE-02	160120735309	
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IIT HYDERABAD

Certificate of Workshop Participation

Proudly Presented to

# Bandagunta Mahitha

Successfully completed Remark Skill Technical Workshop on Java Programming in Association with Elan & nVision IIT Hyderabad

> Venue: IIT Hyderabad on 5th & 6th November, 2022

Madhu Das I Co-Founder Remark Skill Education

-

Swapnish Sahare 1 Overall Head Elan & nVision IIT Hyderabad

### REMARK SKILL EDUCATION

## WORKSHOP COMPLETION CERTIFICATE

**Proudly Presented To** 

# Bandagunta Mahitha

On successful completion of Remark Skill Technical Workshop Program from 5th - 6th November,2022 at IIT HYDERABAD

Java Programming

adie Vas

Madhu Das Co-Founder REMS55549

Verify Your Gerühneinen www.comarica.cl/celad/celt056540

Hitesh Kumar Co-Founder



# UCI University of California, Irvine

Apr 3, 2022

# Thota Manasvi

has successfully completed

## Introduction to the Internet of Things and Embedded Systems

an online non-credit course authorized by University of California, Irvine and offered through Coursera

la Ham

Ian Harris Professor Department of Computer Science

## COURSE CERTIFICATE



#### Verify at: https://coursera.org/verify/TTUSQK5H9QQG

Coursera has confirmed the identity of this individual and their participation in the course.

# **CERTIFICATE** OF ACHIEVEMENT

Participation certificate

This is presented to

Manasvi Thota

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh (Total Duration : 1 hour)



Pushpraj

Signature



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	A BHARATI	(A) COMMITTED RESEAR INNOVATION A EDUCAT	
5	SUDHEE 2 Ognite Innate Innovati		
	23 - 24 Mar	ch	
		RTICIPATION	
This is to certify that Mr. / Ms.	MAI	NASVI THOT	A of Second
2 ^{nª} YEAR			The second se
and presented a Paper/Poster/Project-Ex			
during 23 - 24 March 2022 at Chaitany			
India.			
		6	P. A-nES
Prof. D. Krishna Reddy Chairman, Sudhee-2022			Prof. P. Ravinder Reddy Principal, CBIT(A)
# 292	000		SEC. 1





IIT HYDERABAD

Certificate of Workshop Participation

Proudly Presented to

## Thota Manasvi

Successfully completed Remark Skill Technical Workshop on Python Programming in Association with Elan & ηVision IIT Hyderabad

> Venue: IIT Hyderabad on 5th & 6th November, 2022

Madhu Das I Co-Founder Remark Skill Education

Swapnish Sahare I Overall Head Elan & ηVision IIT Hyderabad

## REMARK SKILL EDUCATION

## WORKSHOP COMPLETION CERTIFICATE

**Proudly Presented To** 

# Thota Manasvi

On successful completion of Remark Skill Technical Workshop Program from 5th - 6th November,2022 at IIT HYDERABAD

COURSE

Python Programming



Certificate Code: REM56041

Verify Your Certificate at: www.remarkskill.com/REM56041

Hitesh Kumar Co-Founder



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

## Record of Activities for Mandatory Additional Requirements

am	e of the student: T.Manasvi			-		-	The los	rtmo		El		
Roll	number: 1601-20-735-065	*		-			I	oints	Ear	ned		
Sno	Activity	Points	Viat.		н	111	IV	v	VI	VII	viii	Total
	MOOCS (SWAYAM: NPTEL/ COURSERA/or	r equ	ivalent	3				_				
1	12 weeks	20	40		1	1		-		-		-
	Xneeks (Aweek)	16				1		1		-		-
2	Tech Fest R&D Day/Treshers Workshop/ Co	nferi	meet h	nek	athon	s etc.						-
-	Organizer	5	10									
	Participant	3	6				1	V	-		1	
30	Rural Reporting	-5	10			L	1	1		1	1	-
4	Havithabaram plantation	1	5		1		1	-				-
5	Participation in Relief camps	-20	40				1	-		1		-
(v	Participation in Debate/ Group Discussion/ Technical Quiz	10	20									-
7	Publication in News Paper, Magazines	in i	nstitut	ior	leve	el (N	lagaz	ine /	artic	lc/inte	ernet)	
	Editor	10	20	T	T	T	T	T	1	1	T	1
	Writer	5	10	-	-	1	-	1	1			1
8	Publication in News Paper, Magazine & Blogs	10	20	T								1
9	Research Publication (per publication)	10	20	+	+	-	-	-	1	1	1	1
	Innovation Projects (other than course	3.0	ev.	+	+	+	-	-	-	1	1	
10	requirements)	20	40					-	-	-	-	-
11	Blood donation /NSS or NCC participation	5	10	-	-	-	-	-	-	-	-	-
12	Blood donation/NSS camp organization	10	20				1				_	
13	Participation in Sports/Games -	-	1	-	-		-		-		-	
	College level	5	10			-		-	-	-	-	-
1	University level	10	-				-	-	_	-		-
1	Region level	12	-				-		_	-	-	-
	State level	15			-	-	-	-	-	_	-	
6	National level	20	20	1				_	_	_	-	_
14	Cultural Programme (Dance, Drama, Elocution, Music etc. )	5	10									
15	Member of Professional Society	5	10								1	
16	Student Chapter /Cubs	5	10									1
17	Relevant Industry Visit & Report	10	20		- 12		1					1
18	Photography activities in different Clubs (Photography club, Cine club)	5	10									
19	Participation in Yoga camp	5	10									
20	Self-Entrepreneurship Program ( Parhipat			_		1						
21	Adventure sports with Certification	10	) 20			-	_					
22	Training to under privileged Physically challenged	1	) 20									
23	Community Service & Allied Activities	1	0 20	5	-		1					
24	Class Representative	5	and the state of the	-	-		-	1	-	-	1	
24	Total point			-		-				-		
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	Signature of Ho Signature of Hol	_	-	-	-				-			





IIT HYDERABAD

Certificate of Workshop Participation

Proudly Presented to

## Thota Manasvi

Successfully completed Remark Skill Technical Workshop on Python Programming in Association with Elan & ηVision IIT Hyderabad

> Venue: IIT Hyderabad on 5th & 6th November, 2022

Madhu Das I Co-Founder Remark Skill Education

Swapnish Sahare I Overall Head Elan & ηVision IIT Hyderabad

## REMARK SKILL EDUCATION

## WORKSHOP COMPLETION CERTIFICATE

**Proudly Presented To** 

# Thota Manasvi

On successful completion of Remark Skill Technical Workshop Program from 5th - 6th November,2022 at IIT HYDERABAD

COURSE

Python Programming



Certificate Code: REM56041

Verify Your Certificate at: www.remarkskill.com/REM56041

Hitesh Kumar Co-Founder



int : रोपाइतेवट्रीनिक्स Gram: DEFELECTRONICS प्रेन्सा/Fax: 040-24440525/24142976 दूरश्ली/Phone: 040-24440063 Mobile: 9490754161 email: cangaswamy.bis.dtri@igov.in



Ø

संग्रमानक तालगुनेक्टर 120000/2200759-2022 भारत संरचार - रक्षा मंत्रात्स्य द्वाल वालाक, काल्कारन विश्वलिय रक्षा अनुसंधान एवं विकास संगठन विद्यार्थिय होनेक्स अनुसंधान प्रयोग शाला विद्यार्थी द्वार्थियहीनिक्स अनुसंधान प्रयोग शाला विद्यार्थी पुष्ट्रा लाईन्स्र (Chandrayinguna Units हेंदराबाद / Hydrianaba 560.805 (तेलंगाना राज्य) भारत

Date: 21* March 2922

To

Dr. P. Ravinder Reddy, Principal Chaitanya Bharathi Institute of Technology(CBIT) Gandipet, Hyderabad-500075, T.S

#### Sub: Invitation to DLRL's Diamond Jubilee Exhibition

Sir.

Warm greetings from Defence Electronics & Research Laboratory(DLRL). Hyderabad, DLRL, a premier lab of Defence Research & Development Organization (DRDO), working in design and development of state-of-theart Electronic Warfare(EW) Systems.

- DLRL completed 60 years and celebrated its Diamond Jubilee Function on 19th March 2022. On this occasion, Chairman DRDO inaugurated DLRL product exhibition. The exhibition has DLRL photo section showing significant moments since inception. The product section has models of DLRL systems and technology modules.
- It gives us immense pleasure to extend an invitation to your students to enable them to have an exposure & overview of the EW technologies and systems.

Schedule, timings and details are given below. Date: 21# - 23rd March 2022 Timings: (a) 10:30 hrs. to 12:30 hrs. (b) 14:30 hrs. to 16:30 hrs.

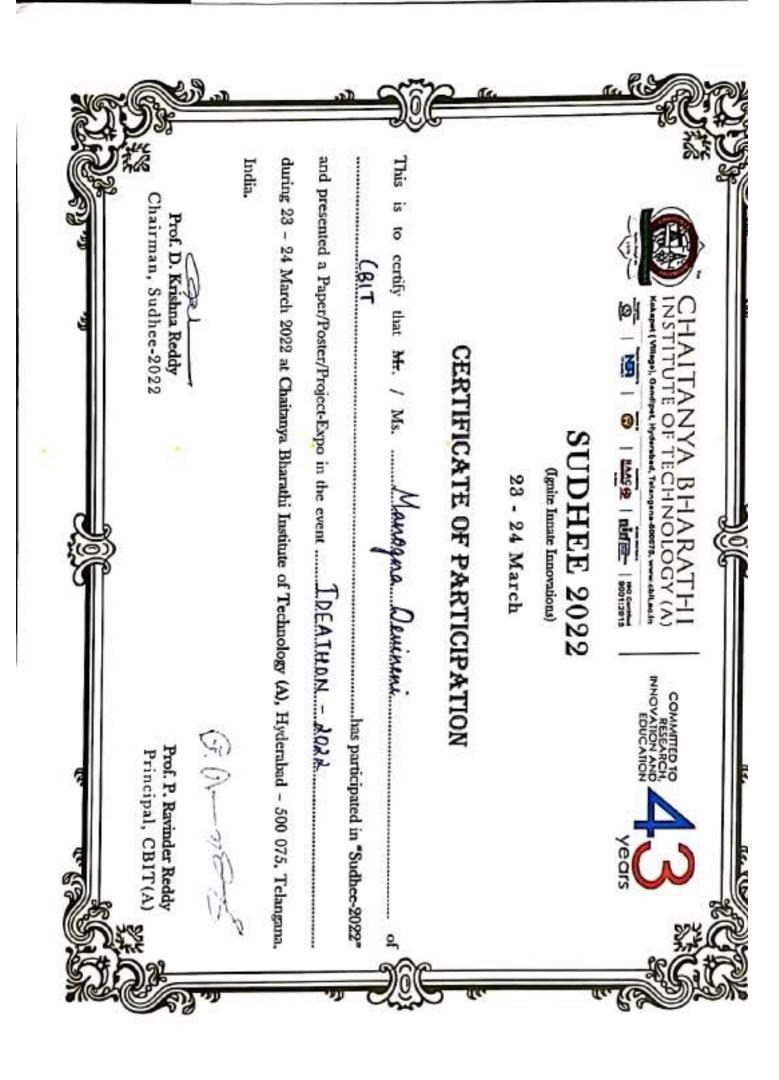
- You may please provide the list of students nominated for the visit along with details of person Liaising from the College. You may please contact the undersigned for further details.
- 5. Expecting to hear from you at the earliest to facilitate smooth visit at DLRL.

1

With Warm Regards.

BN Rangaswamy, Sc F Head, P&C For Director DLRL

Sno	erept.	Section	Roll No.	Name of the student	Sno	Dept.	Section	Roll No.	Name of the student
-	ECE	VI-ECE-T	160119735004	Esha Vayshinavi	32	ECE	ECE-02	160120735087	Gundeboina
2	ECE	I-SEM/ECE		and a strategy as a second s	33	ECE	ECE-02	160120735088	
3	ECE	I-SEM-ECE			34	ECE.	ECE-02	160120735090	
5	EC.E.	-SEM-ECE	and the local data and the second data and the	Mounika Pasham	35	DCT.	ECE-02	160130735095	Emmadi Nithinkumar
6	ECE	VI-ECE-8			36	DCE.	ECE-02	160120735096	Probley Atomic Problem
7	ECE	VI-ECE-9		Junyi Reddy	37	ECE	ECE-02	160120735097	K promay rai
8	ECE	VI-ECE-3		Ching Agarwal	38	ECE:	ECE-02	160120735101	Sridatta (AC-V
9	ECE	VI-ECE-17		Gianasaty arth	39	ECE	ECE-02	and the second state of th	Julakauti sai ganesh
10	ECE	VI-ECE-3	160119735145	Harikrishna Nalumasa	40	ECE	ECE-02	160120735109	KODAM
iil	ECE	VI-ECE-12		Padige Kalyan Kumar	41	ECE	ECE-02	160120735110	
12	ECE.	VI-ECE-13		S. Lalith Adithyan	- 42	ECE.	the second second second second	160120735309	U Albila
13	ECE	VI-ECE-6	160119735158	P.Nitin	.43	ECE	and the second se		Rodda,Harshitha
14	ECE	VI-ECE-4	160119735163	Ribhu Bhatta Charya	Line .		and the second second	16012-726	Trodida, Harstatha
15	ECE	VI-ECE-31	160119735164	Rishik Routhu	P		1.815.08.11	10.011-1430	345
6	ECE	VI-ECE-7		Sai Aditya Tirukkolluru	(				
7	ECE	VI-ECE-15	160119735167	MVS Bharadwai					
8	ECE	VI-ECE-18		K Sai Kumar Reddy					
9	ECE I	VI-ECE-16	160119735173	Saketh Raghay	(				
	ECE	VI-ECE-10	160119735177	Md Tousif Ahmed		/	1		
	ECE	VI-ECE-14	160119735179	NVS Charan		<u> </u>	1		
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	The second second	ECE-02	160120735062	Geetha Vadthya		1 5	- and	1 K 100 00	)
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-	ECE	ECE-02	160120735065	Manasvi Thota		4.4	ARC DI	rolf ECE	dept-
_	ECE	ECE-02	160120735067	Meghana		1			
7	ECE	ECE-02	160120735070	Pooja Damnetla		(-5	aculty	Constant	le)
-	ECE	ECE-02	160120735073	M.sai shiyani		12			10
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_	ECE	ECE-02	160120735077	Vasavi K					
-	ECE ECE	ECE-02 ECE-02 ECE-02	160120735077 160120735084	Charan P (ARVKPY) Gundu Dhaniish					







This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

#### Roll No: NPTEL21C555523583393

To MANOGNA DEVINENI HNO.10-112/A NANDIPET NIZAMABAD TELANGANA - 503212 PH. NO :8790352306

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Prof. G P Raja Sekhar Dean, Continuing Education ET Kharagour Jul-Sep 2021 (8 week course) Prof. Debjani Chakraborty Coordinator, NPTEL IT Kharagper



Indian Institute of Technology Kharagpur

Roll No:NPTEL21CS55S23583393

To validate and check scores: https://nptel.ac.in/noc

Scanned with CamScanner

Scanned with CamScanner





## CERTIFICATE OF PARTICIPATION CBIT NSS

This is to certify that

# Manogna

has participated in the fundraiser event "FUNDTASIA" held from 8th-10th February organized by the NSS club of Chaitanya Bharathi Institute of Technology.

O.A.ins

Dr.P Ravinder Reddy Principal, CBIT



. Gus

M.Ganeshwar Rao Officer, CBIT NSS

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Chairman, Sudhee-2022	23 - 24 March 2022 at	resented a Paper/Poster/P	is to certily that Mr.	CE		CHAI	S. a.
Since	thuring 23 - 24 March 2022 at Chaitanya Bharathi Institute of Technology (A), Hyderabad - 300 0/3, Letangana, India.	presented a Paper/Poster/Project-Expo in the eventDetrigm_	is in certify that Mr. / Ms	CERTIFICATE OF PARTICIPA	SUDHEE 2022 (Ignife Innate Innovations)	CHAITANYA BHARATHI	2000
Principal, CBIT(A)	(A), Hyderabad - 300 0/3, I clangana,	Treaks	of	ATION		COMMITTED TO RESEARCH EDUCATION AND EDUCATION AND YEOUS	The second

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तारः । उपम्हतवद्गीनिवस Grams DEFELECTRONICS केसि,Fax: 040-26460525/24642976 दूरभाष/Phone: 040-24640063 Mobile: 9490754363 email: rangasiwarmy.bit.dirf@gov.in





सरवमात्रावः मध्यसम्बद्धाः स्वयस्त्र (२२००७,२२०२२ भारतः सरवत्र रक्षाः मंत्राख्य द्ववाः वर्गाव्यवः, भववाराः रक्षां मंत्राख्य रक्षाः अनुसंधानः एवं विकास संगठन व्या इलेक्ट्रोनिक्सः अनुसंधानः प्रयोगशाला व्यायगगुद्धाः लाईन्स त्राव्यवस्त्र भववण्डाया वेदायगगुद्धाः लाईन्स त्राव्यवस्त्र भववण्डायाः हेदराबाद / अर्थायत्र २०० २०० हत्तिलंगानाः राज्य) भारत

Date: 21# March 2022

To

Dr. P. Ravinder Reddy, Principal Chaitanya Bharathi Institute of Technology(CBIT) Gandipet, Hyderabad-500075, T.S.

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With Warm Regards,

BN Rangaswamy, Sc F Head, P&C For Director DLRL

Sno	Dept	Section	Rolt No.	Name of the student	510	Dept.	Section	Roll No.	1
2	ECE	VI-ECE-1	160)19735004	Esha Vayshnavi	3.2	ECE	ECE-02	160120735087	Name of the student
3	ECE	I-SEM-ECE	160119735007	K Himaja	33	ECE	ECE-02	160120735088	Gundeboina
4	ECE	I-SEM-ECE-	and the second se	Guduru Liaiya	14	ECE	ECE-02		Ponnari Eshwar
5	ECE	I-SEM-ECE-	and an extended of the second s	Mounika Pasham	35	ECE	ECE-02	160120735090	
	ECE	VI-ECE-8	160319735121	Amritha Bhargasi	36	ECE	ECE-02	the second se	Emmadi Nithinkumar
7	ECE	VI-ECE-4	100119735124	Janyi Reddy	37	ECE	ECE-02	160120735098	Prabliate a tutor 1
8	ECE	VI-ECE-3	160119735140	Chinag Agarwal	38	ECE	ECE-02	the second se	K pranay raj
and the second second	ECE	VI-ECE-17	160119735144	Gunasatvarth	30	ECE	the second se	160120735101	Stidatte (Anur-V
9	ECE	VI-ECE-5	160119735145	Harikrishna Nahimasu	40	ECE	ECE-02	160120735103	Julakanti sai ganesh
01	ECE	VI-ECE-12	160119735147	Padige Kalyan Kumar	41	distanting of	ECE-02	160120735109	KODAM
11	ECE	VI-ECE-13	160119735130	S. Lalith Adithyan	42	ECE	ECE-02	160120735110	Siddarth P
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_	ECE	ECE-02	160120735077	Vasavi K					
-	ECE .	ECE-02	160120735084	Charan P (ASUNCAY)					
	ECE	ECE-02	160120735086	Gundu Dhanush					

## DLRL(Defense Electronic and Research Laboratory) VISIT REPORT

Chandrayangutta,

21st March, 2022,

10:30am to 12:30pm

I have visited DLRL on the occasion of 60 year celebration. As we enter DLRL, we have sent to an auditorium room. Then one of the scientist came and gave the presentation of the achievements and significant moments of DLRL over the past 60 years. Then they have shown us the models of DRDL systems and technology modules like different types if horn antenna, yagi-uda antenna, helical antenna and different types of RADAR. They have explained about these technology and clarified our doubts with patience.

Then we went to another section where we have encountered all the great achievements by the DLRL like ANIRUDH, PRITHVI, RUDRAM,NAG MISSILE, etc. As I am from ECE department, we have gained exposure to more advanced IC technology, signal transmitters and receivers.

> Meghana konolla, 160120735067,

> > ECE-2





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### THE ART OF LIVING FOUNDATION

www.artofliving.org

To,

Dr. P. Ravinder Reddy Sir

Principal

Chaitanya Bharathi Institute of Technology

Gandipet (M), Kokapet (V)

Subject: To Conduct The Art of Living's Yes!+ Program on campus.

Dear Sir,

We are seeking permission to organize the YESI+ program on campus during the dates 27th - 31st December, 2021 (27th, 28th - 9:10 am to 1:30 pm | 29th to 31st - 9:10 am to 4:00 pm). On completion of the workshop a certificate is presented to them from The Art of Living.

This workshop will be coordinated by Anuraag, who will be volunteering with the students and will handle all the logistics and operations of the workshop during the mentioned dates & time.

This workshop will be facilitated by our esteemed faculty, Mr.Manas Ram.

We request you to kindly grant us permission for the same and also request you to grant full attendance to all the students attending the workshop for these dates.

Yours sincerely,

YESI+ Team

(The Art of Living)

Art of Living International Center Ved Vignan Maha Vidya Peeth 21st Km, Kanakapura Road, Udayapura Bangalore, Karnataka 560 082, India

- 20/12/200

# YEST WORKERNOP PARTICIPANTS LEFT , ETHIOLEDER to 21 Mileon.

	Name	Phone no.	Branch	
-	AARTHI JURYALA	9390317394	AI-D5	
	G.V.RANJIT	7337554524	AI-DS	
	M.ADITHI	8465004363	AI-DS	
	S.NEHA REDDY	9440363372	AI-DS	
	A PRANAV REDDY	6305569703	CSE-1	
	A.SNIGDHA	9392856572	CSE-1	
	B.SATVIKA	7674013434	CSE-1	
	C.VINAY KUMAR	7006567790	CSE-1	1
-	CH SAI AKSHITHA	7893802690	CSE-1	1
-	LALASA	9014379255	CSE-1	1
the state of	M.SAI GANESH	7013754077	CSE-1	
-	MEGHANA GANAPURAM	6303391770	CSE-1	-
	NIKHITHA TUBATI	9652393313	CSE-1	1
14	PJYOTHI SREE	7330467070	CSE-1	1
	RAM CHARAN	6309771071	CSE-1	
_	SHAIK ABDUL KHADER AL AMOUDI	9063239003	CSE-1	1
17	V,NIKITA	9642398969		1
100	V.PRATHAM REDDY	8688258371		
19	SYED NOOR MOHAMMED	7989621401		1
20	V SHRESTA	8897704989		1
21	RISHITHA REDDY GUDIPATI	7386813090		1
22	PALLAVI	8179012483	ECE D-2	1
23	RISHIKESH	9959926489	and the second se	1
24	RISHITHA	8074986059		
25	SAI PRIYA	9550242472		
26	SAKETH KUMAR	8919908177		LGot-
27	Y-5.INDRANEEL REDDY	8639391616		
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-	D.SAI KUMAR	7995671116		064 1601-20-7-35-064
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	SEDONS MOKAMMAD	9701946660	and the second se	
-	G.DANUSH	9640520003		- 1601-20-73-086.
-	MEGHANA	8919561917	and the second se	- 1601-20-735-067
34 1	CPRANAY RAJ	63020735097	ECE E-2	- 1601-20-735-097.
15 1	CVARUN	8919435017	ECE E-2	- 1601-20-735-115
36 P	ESHWAR	6309308821	ECE E-2	-1001-20-735-088
87 P	ODJA DAMPETTA	6281770210	ECE E-2	- 1611-20-735-070 .
8 P	RABHAV	9346480464	ECE E-2	- 1601-20-735-096.
9 R	THVIK	9010293300		1601-20-735-100.
ŵ S	AI SHIVANI	9030897071	and the second se	- 1601-20-735-073.
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-	SREEJA	6303051150	ECE-1	024 1001-20-735-0210
SC	HANDANA	9440922090	ECE-1	0+= 1601-20-735-013
6 D	EVI.SRI KAILASH	8897439922	ECE-1	1601-20-735-008.
7 E	JAHNAVI	7995681699	and the second se	
8 A	ITHA	9866417851		1601-20-725-011
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## **CERTIFICATE** OF ACHIEVEMENT

Participation certificate This is presented to

Meghana

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh ( Total Duration : 1 hour )



Pastonj

Signature

## clan & nvision

#### IIT HYDERABAD

#### **Certificate of Workshop Participation**

Proudly Presented to

#### Meghana Konolla

Successfully completed Remark Skill Technical Workshop on Java Programming in Association with Elan & nVision IIT Hyderabad

> Venue: IIT Hyderabad on 5th & 6th November, 2022

Madhu Das I Co-Founder Remark Skill Education

Swapnish Sahare | Overall Head Elan & nVision IIT Hyderabad

#### **REMARK SKILL EDUCATION**

### WORKSHOP COMPLETION CERTIFICATE

**Proudly Presented To** 

## Meghana Konolla

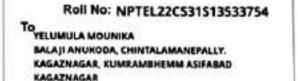
On successful completion of Remark Skill Technical Workshop Program from 5th - 6th November,2022 at IIT HYDERABAD

Java Programming

Madhu Das Co-Founder Certificate Code: REM56546

Hitesh Kumar Co-Founder

Verify Your Certificate at: www.remarkskill.com/REM56546

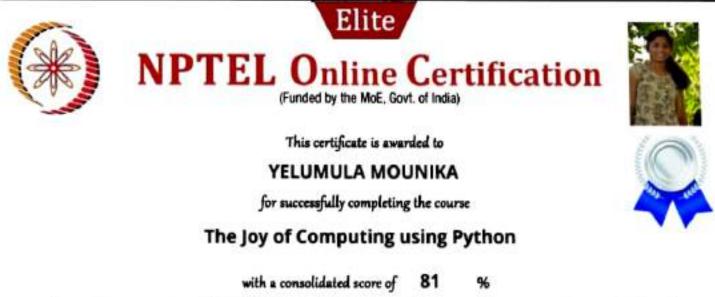


TELANGANA - 504299 PH. NO :9391304484

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



	Online Assignments	21.6/25	Programming Exam	25/25	Proctored Exam	34/50
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Total number of candidates certified in this course: 7438

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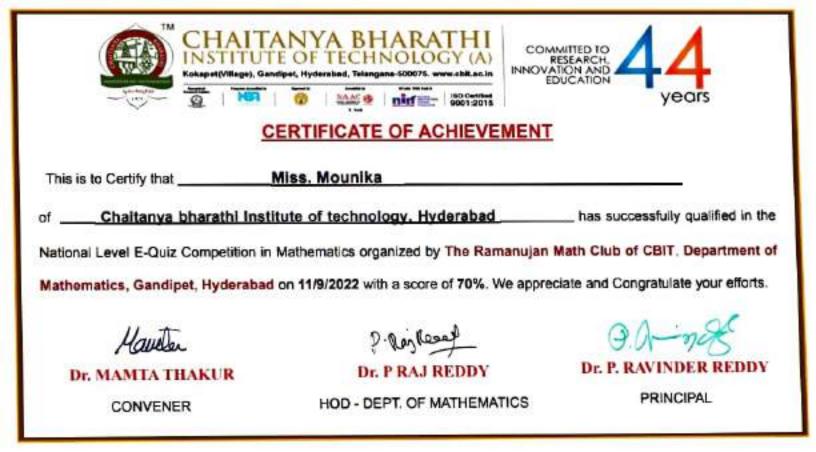
Prof. Devendra Jalihal Charman Centre for Continuing Education. ITTM

Jan-Apr 2022 (12 week course)





Indian Institute of Technology Madras



# CERTIFICATE OF ACHIEVEMENT

Participation certificate

This is presented to

Yelumula Mounika

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh (Total Duration : 1 hour)



Pathony

Signature



Jul 12, 2022

## Yelumula Mounika

has successfully completed

#### Agile Software Development

an online non-credit course authorized by University of Minnesota and offered through Coursers

Pravors Maral Advance Professor College of Ic was a said Engenerating



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https://coursera.org/verify/AE7VP9STY7US

Courses a flas confirmed the identity of this individual and their participation in the course.

CHAITANYA BHAR	
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23 - 24 1	March
CERTIFICATE OF	PARTICIPATION
This is to certify that Mr. / Ms	ogja Bhumandla d
	has participated in *Sudbee-2022*
and presented a Paper/Poster/Project-Expo in the event	IDEATHON -2022
during 23 - 24 March 2022 at Chaitanya Bharathi Institut	
India.	Q. 04-75-5
Prof. D. Krishna Reddy	Prof. P. Ravinder Reddy
Chairman, Sudhee-2022	Principal, CBIT(A)
test	2017





43 Balakuthur, faculty & CE to D. Constant

#### THE ART OF LIVING FOUNDATION

www.artofliving.org

To,

Dr. P. Revinder Reddy Sir

Principal

Chaltanya Bharathi Institute of Technology

Gandipet (M), Kokapet (V)

#### Subject: To Conduct The Art of Living's YesI+ Program on campus.

Dear Sir,

We are seeking permission to organize the YESI+ program on campus during the dates 27th - 31st December, 2021 (27th, 28th - 9:10 am to 1:30 pm | 29th to 31st - 9:10 am to 4:00 pm). On completion of the workshop a certificate is presented to them from The Art of Living.

This workshop will be coordinated by Anuraag, who will be volunteering with the students and will handle all the logistics and operations of the workshop during the mentioned dates & time.

This workshop will be facilitated by our esteemed faculty, Mr.Manas Ram.

We request you to kindly grant us permission for the same and also request you to grant full attendance to all the students attending the workshop for these dates.

Yours sincerely,

YESI+ Team

(The Art of Living)

Art of Living International Center Ved Vignan Maha Vidya Peeth 21st Km, Kanakapura Road, Udayapura Bangalore, Karnataka 560 082, India.

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# YEST WORKERING PARTICIPANTS LEST , exhibition to 21 heless.

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_	AARTHI JURYALA	9390317394	AI-DS	
	G.V.RANJIT	7337554524	AI-05	1
	M.ADITHI	8465004363	AI-DS	1
	S.NEHA REDDY	9440163372	AI-05	1
-	A.PRANAV REDDY	6305569703	C5E-1	1
	A SNIGDHA	9392856572	CSE-1	1
	B.SATVIKA	7674013434	CSE-1	1
	C.VINAY KUMAR	7006567790	CSE-1	1
	CH SAI AKSHITHA	7893802690	CSE-1	1
	LALASA	9014379255		1
	M.SAI GANESH	7013754077	CSE-1	1
-	MEGHANA GANAPURAM	6303391770	CSE-1	1
13	NIKHETHA TUBATI	9652393313		-
-14	PJYOTHI SREE	7330467070		1
-15	RAM CHARAN	6309771071		1
146	SHAIK ABDUL KHADER AL AMOUDI	9063239003		
127	V.NIKITA	9642398969		
18	V.PRATHAM REDDY	8688258371		
19	SYED NOOR MOHAMMED	7989621401	and the second se	1
20	V SHRESTA	8897704989	second at the second	1
21	RISHITHA REDDY GUDIPATI	7386813090	and the second sec	1
22	PALLAVI	8179012483	and the second se	1
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24	RISHITHA	8074986059		1
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-	MEGHANA	8919561917		- 1601-20-735-067
-	CPRANAY RAJ	63020735097	ECE E-2	- 1601-20-735-097
35 K	LVARUN	8919435017	ECE E-2	- 16e1-20-735 - 115 ·
36 P	ESHWAR	6309308821	ECE E-Z	-1601-20-735-088
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Ø

संग्रमानक तालगुनेक्टर 120000/2200759-2022 भारत संरचार - रक्षा मंत्रात्स्य द्वाल वालाक, काल्कारन विश्वलिय रक्षा अनुसंधान एवं विकास संगठन विद्यार्थिय होनेक्स अनुसंधान प्रयोग शाला विद्यार्थी द्वार्थियहीनिक्स अनुसंधान प्रयोग शाला विद्यार्थी यागुपूर्णी लाईन्स्र (Chandrayinguna time हेंदराबाद / Hydrianaba 500 805 (तेलंगाना राज्य) भारत

Date: 21* March 2922

To

Dr. P. Ravinder Reddy, Principal Chaitanya Bharathi Institute of Technology(CBIT) Gandipet, Hyderabad-500075, T.S

#### Sub: Invitation to DLRL's Diamond Jubilee Exhibition

Sir.

Warm greetings from Defence Electronics & Research Laboratory(DLRL). Hyderabad, DLRL, a premier lab of Defence Research & Development Organization (DRDO), working in design and development of state-of-theart Electronic Warfare(EW) Systems.

- DLRL completed 60 years and celebrated its Diamond Jubilee Function on 19th March 2022. On this occasion, Chairman DRDO inaugurated DLRL product exhibition. The exhibition has DLRL photo section showing significant moments since inception. The product section has models of DLRL systems and technology modules.
- It gives us immense pleasure to extend an invitation to your students to enable them to have an exposure & overview of the EW technologies and systems.

Schedule, timings and details are given below. Date: 21# - 23rd March 2022 Timings: (a) 10:30 hrs. to 12:30 hrs. (b) 14:30 hrs. to 16:30 hrs.

- You may please provide the list of students nominated for the visit along with details of person Liaising from the College. You may please contact the undersigned for further details.
- 5. Expecting to hear from you at the earliest to facilitate smooth visit at DLRL.

1

With Warm Regards.

BN Rangaswamy, Sc F Head, P&C For Director DLRL

Sno	erept.	Section	Roll No.	Name of the student	Sno	Dept.	Section	Roll No.	Name of the student
+	ECE	VI-ECE-T	160119735004	Esha Vayshinavi	32	ECE	ECE-02	160120735087	Gundeboina
2	ECE	I-SEM/ECE		and a strategy as a second	33	ECE	ECE-02	160120735088	
3	ECE	I-SEM-ECE			34	ECE.	ECE-02	160120735090	
5	EC.E.	-SEM-ECE	and the local data and the second secon	Mounika Pasham	35	DCT.	ECE-02	160130735095	Emmadi Nithinkumar
6	ECE	VI-ECE-8			36	DCE.	ECE-02	160120735096	Probley Atomic Problem
7	ECE	VI-ECE-9		Junyi Reddy	37	ECE	ECE-02	160120735097	K promay rai
8	ECE	VI-ECE-3		Ching Agarwal	38	ECE.	ECE-02	160120735101	Sridatta (AC-V
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# MAKERS OF INDIA 2021

# CERTIFICATE

This is to certify that Mr. / Ms. D. POOJA of CBIT has participated in Project Expo with a project entitled "SIMULATION OF A N AUTOMATIC DOORBELL" on 11th December 2021 at Chaitanya Bharathi Institute of Technology (A), Hyderabad - 500075, Telangana, India.

P. Satich Dr. P. Sathish Faculty Incharge, MOI 2021

Collar

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

Membership No: 241574
-----------------------

Certificate No: 066143

## THE INSTITUTION OF

## ELECTRONICS AND TELECOMMUNICATION ENGINEERS

## IETE STUDENTS FORUM CERTIFICATE



issued to

Poojitha D

II year, B.E. / B.Tech of ECE



Chaitanya Bharathi Institute of Technology

HYDERABAD

(Valid from DEC 2021 to DEC 2024)

Secretary General

President

This Certificate is the property of the Institution

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COMMATTED TO EDUCATION **SUDHEE 2022** (Ignite Innate Innovations) 23 - 24 March CERTIFICATE OF PARTICIPATION This is to certify that Mr. / Ms. Popjithe Dharure 0 during 23 - 24 March 2022 at Chaitanya Bharathi Institute of Technology (A), Hyderabad - 500 075, Telangana, India. G.a-n Prof. P. Ravinder Reddy Prof. D. Krishna Reddy Principal, CBIT(A) Chairman, Sudhee-2022

	CHAITAN TA D INSTITUTE OF TECH Katagat   Willight, Gardiguet, Hyderstaat, Tak	HARATHI INOLOGY (A)	COMMITTED TO RESEARCH. IOVATION AND EDUCATION	×
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	2	3-24 March		
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TETE TE	(A), Hyderabad - 500 075, Telang	ndhee-2022*during23 - 24Ma	rch 2022 at ChaitanyaBharathi Instit	ute
Prof. D	. Krishna Reddy n, Sudhee-2022		Prof. P. Ravinder Reddy Principal, CBIT(A)	A. C.

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## CERTIFICATE OF PARTICIPATION CBIT NSS

This is to certify that

# Poojitha D

has participated in the fundraiser event "FUNDTASIA" held from 8th-10th February organized by the NSS club of Chaitanya Bharathi Institute of Technology.

O.A.in

Dr.P Ravinder Reddy Principal, CBIT



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M.Ganeshwar Rao Officer, CBIT NSS

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(Ignite Innate Innovations)         23-24 March         CERTIFICATE OF APPRECIATION         Of Popjeting D         Of Popjeting D		ANYA BHARATHI TE OF TECHNOLOGY (A)	INNOVATION AND CONTRACT OF CONTRACT.	
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This is to certify that Br. / Mr. / Ms. Porjitha D		23-24 March		
CONT CONTRACTOR F A	This is to certify that Br. / A	Ms Poojitha D	of {	
CBIT has worked as a COORDINATOR for the event Paper Presentation in "Sudhee-2022" during 23 - 24 March 2022 at Chaitanya Bharathi				F
Institute of Technology (A), Hyderabad - 500 075, Telangana, India and his / her work is very well appreciated.				
Prof. D. Krishna Reddy Chairman, Sudhee-2022 Galler Chairman, Sudhee-2022		200	Principal, CBIT(A)	ALC COL



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## SHRUTHI - 2022 Amaranthine

# CERTIFICATE OF CONTRIBUTION

This is to certify that Mr/Ms <u>Poojitha Dharuri</u> of <u>Chaitanya Srujana</u> club has rendered service as <u>Volunteer</u> in Shruthi - 2022 organized by CBIT(A), Hyderabad.

adavoor

Dr.G.Laxmaiah Chairman Cultural Committee Shruthi 2022

Dr. K. Jagannadha Rao Chairman Shruthi - 2022

P.A-noos

Dr. P. Ravinder Reddy Principal Advisor, Shruthi 2022

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CHAITA INSTITUTI Kohapet (village), Gand		CERT	to certify that Mr. / CB1T	tper/Poster/Projec	during 23 - 24 March 2022 at Chaitanya		Prof. D. Krishna Reddy Chairman, Sudhee-2022	ţ.
			This is to certif	d presented a P-	ring 23 - 24 Ma	India.	Prof. D. Kr Chairman, S	a la
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		- A	OR for the event Chaitanya Bharathi	appreciated.	Prof. P. Ravinder Reddy Principal, CBIT(A)
	INNOVATION AND EDUCATION	IATION	hee-2022" during 23 - 24 March 2022 at Chaitanya Bharathi	is / her work is very wel	Principa
YA BHARATHI	SUDHEE 2022 (guite Innate Innovations)	ICATE OF APPRECIATION	MsSalhetti. Pathaka	500 075, Telangana, India and his / her work is very well appreciated.	Ser
CHAITANYA	Kanapet ( Villagel, Gandlipet, Hydarada	CERTIFICA	W /	derabad -	Prof. D. Krishna Reddy Chairman, Sudhee-2022
			This is to certify that Br. / Mr. CBIT Paper Pseudentation	Institute of Techno	Chairman, S
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# **CERTIFICATE** OF ACHIEVEMENT

Participation certificate

This is presented to

Paturu sahithi

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh (Total Duration : 1 hour)



Pushpraj

Signature





# SHRUTHI - 2022

EDUCATION

/ears

Amaranthine

# CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms ______ P.Sahithi ______ of _____ ECE -2 has participated in the event _____ Campus Decoration organized by <u>Chaitanya Srujana</u> club of CBIT(A), Hyderabad.

adavoou Dr.G.Laxmaiah

Chairman Cultural Committee Shruthi 2022

Dr. K. Jagannadha Rao Chairman Shruthi - 2022

P.A-nor

Dr. P. Ravinder Reddy Principal Advisor, Shruthi 2022

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# MAKERS OF INDIA 2021 CERTIFICATE

This is to certify that Mr. / Ms. **SAHITHI** of **CBIT** has participated in **Project Expo** with a project entitled " **IMPLEMENTATION OF PASSWORD BASED SECURITY SYSTEM** " on 11th December 2021 at **Chaitanya Bharathi Institute of Technology (A)**, Hyderabad - 500075, Telangana, India.

P. Satish

**Dr. P. Sathish** *Faculty Incharge, MOI 2021* 



Colm____

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



Mar 4. 2022

## Makka Sai shivani

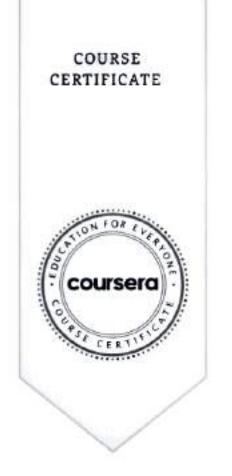
has successfully completed

#### Introduction to the Internet of Things and Embedded Systems

an online non-credit course authorized by University of California. Irvine and offered through Coursera

Ham

lan Banto Piolesee Department of Camputer Science



#### Verify at. coursers.ors/verify/FRSABAPLEETY

Coursers has confirmed the identity of this individual and their participation in the course. ार हेपड्रोस्ट्रीनिस्स Grame DEFELECTRONES फैस्स.म.२४ 040.244405255/24442976 ट्रन्सीप्र.न्नाजण्ड 040.24440062 Mobile 9490754161 email: congastwamy.bn.dbttpligtov.in



संख्यानम् १८.९.१७५ . १८.९०७ २८८८ ८६२ २७२२ भारत संरक्तार - २क्षा मंत्रालय जिल्हा संरक्तार - २क्षा मंत्रालय विकास संगठन हागरका माध्य अटन ६ वर गाठनाचा दक्षक्रकार्त्रका रक्षा उलेक्ट्रानिवस अनुसंधान प्रयोगशाला हागरका धाराव्रकार ६ वर गाठनाचा दक्षकार्व्यकार रक्षा उलेक्ट्रानिवस अनुसंधान प्रयोगशाला होदराधाद वर्णवालयका ५००.००५ (तेलंगाना राज्य) भारत



Date 21º March 2022

10

Dr. P. Ravinder Neddy, Principal Chaitanya Bharathi Institute of Technology(CBIT) Gandipet, Hyderabad-500075, T.S.

#### Sub: Invitation to DLRL's Diamond Jubilee Exhibition

SIL.

Warm greetings from Defence Electronics & Research Laboratory(DLRL). Hyderabad, DLRL, a premier lab of Defence Research & Development Organization (DRDO), working in design and development of state-of-theart Electronic Warfare(EW) Systems.

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- It gives us immense pleasure to extend an invitation to your students to enable them to have an exposure & overview of the EW technologies and systems.

 Schedule, timings and details are given below.

 Date:
 21st - 23rd March 2022

 Timings:
 (a) 10:30 hrs. to 12:30 hrs.

 (b) 14:30 hrs. to 16:30 hrs.

- You may please provide the list of students nominated for the visit along with details of person Liaising from the College. You may please contact the undersigned for further details.
- 5. Expecting to hear from you at the earliest to facilitate smooth visit at DLRL.

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With Warm Regards.

BN Rangaswamy, Sc F Head, P&C For Director DLRL

Sno	Comp.	Section	Roll No:	Name of the student	Sno	Dept	Section	Buch Mar	Television of the second	
1	1.01	VI-ECE-1	100119735004	Esha Vatishmayi	12	HCE	ECE-02	Roll No. 160120735087	Name of the student	
2	ECT.	-SEM-ECT	4 160319735007	6 Himaia	11	FCL	ECE-02	and the second	Gundeboina	
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4	LT.F.	-SEM-ECT	4 16011973500T	Mounika Pasham	15	ECE	FCE-02		Kumar yaday	
5	ECE	VI-ECE-8	160119735121	America Illiances i	10	ICE	ECE-02	160120735005	Emmadi Nithinkama	
6	ECE	VI-ECE-9	160119735174	Janyy Reddy	37	HOL	ECE-02	160120733096	Prabhav Atrack	
7	ECE	VI-ECE-3	100119735140	Chirag Agarwal	38	HOL	and the second se	160120735097	K pranay raj	
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4	ECE	VI-ECE-5	160119735145	Harikrishna Nalumsov	40	HCE	EC1-02	160120735103	Julakanti sai ganesh	
10	ECF	VI-ECE-12	360119735347	Padree Kalyan Kumar	41	And and a state of the local division of the local division of the local division of the local division of the	ECE-02		KODAM	
11	ECE.	VI-ECE-13	166119735150	S. Lalith Adithyan	42	ECE	ECE-02	160120735110		
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### THE ART OF LIVING FOUNDATION

www.artofliving.org

Ta,

Dr. P. Ravinder Reddy Sir

Principal

Chaitanya Bharathi Institute of Technology

Gandipet (M), Kokapet (V)

#### Subject: To Conduct The Art of Living's Yes!+ Program on campus.

Dear Sir,

We are seeking permission to organize the YES!+ program on campus during the dates 27th - 31st December, 2021 (27th, 28th - 9:10 am to 1:30 pm | 29th to 31st - 9:10 am to 4:00 pm). On completion of the workshop a certificate is presented to them from The Art of Living.

This workshop will be coordinated by Anuraag, who will be volunteering with the students and will handle all the logistics and operations of the workshop during the mentioned dates & time.

This workshop will be facilitated by our esteemed faculty, Mr.Manas Ram.

We request you to kindly grant us permission for the same and also request you to grant full attendance to all the students attending the workshop for these dates.

Yours sincerely,

YESI+ Team

(The Art of Living)

SLJ. Balakishing, faculty, ElE 47 Dr. Considerate - 20 112 Fp

Art of Living International Center Ved Vignan Maha Vidya Peeth 21st Km, Kanakapura Road, Udayapura Bangalore, Karnataka S60 082, India.

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# **CERTIFICATE** OF PROJECT COMPLETION



THIS CERTIFICATE IS PROUDLY PRESENTED TO

# M.Sai Shivani

has successfully undergone Industrial Program on VUSI from Apsis Solutions from 01st Aug, 2022 to 30th Sep, 2022 and successfully completed the projects on

- LIART Communication to print a single character

- FSM Designs : Meally & Moore Machines and Up Down Counter

Under the guidance of the mentur and company representative

PROJECT HEAD

17-Oct-2022

DATE



APS-2210000358







clonenvision

IIT HYDERABAD

Certificate of Workshop Participation

Proudly Presented to

## Desabhatla Sriya

Successfully completed Remark Skill Technical Workshop on Java Programming in Association with Elan & nVision IIT Hyderabad

> Venue: IIT Hyderabad on 5th & 6th November, 2022

Madhu Das I Co-Founder Remark Skill Education

Swapnish Sahare I Overall Head Elan & nVision IIT Hyderabad

#### REMARK SKILL EDUCATION

## WORKSHOP COMPLETION CERTIFICATE

**Proudly Presented To** 

# Desabhatla Sriya

On successful completion of Remark Skill Technical Workshop Program from 5th - 6th November,2022 at IIT HYDERABAD

## COURSE Java Programming

Madhu Das Co-Founder

Certificate Code: REM56539

Verify Your Certificate at: www.remarkskill.com/REM56539

Hitesh Kumar Co-Founder



int : रोपाइतेवट्रीनिक्स Gram: DEFELECTRONICS प्रेन्सा/Fax: 040-24440525/24142976 दूरश्ली/Phone: 040-24440063 Mobile: 9490754161 email: cangaswamy.bis.dtri@igov.in



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संग्रमानक ताल, तन्मटा 12000, 2200, 2222 भारत संरचार - रक्षा मंत्रात्स द्वाल वालाक, माल्क्स्फ्र जी before रक्षा अनुसंधान एवं विकास संगठन DEFENCE RESEARCH & DEVELOPMENT DRGARDSATION रक्षा इत्येक्ट्रोनिक्स अनुसंधान प्रयोग शाला DEFENCE RECETIONICS RESEARCH LABORATORY(DERL) न्वेदायणागुपूर्णा लाई-स (Chandrayinguna times हेदराबाद / Hydrianaba 500 805 (तेलंगाना राज्य) भारत

Date: 21* March 2022

To

Dr. P. Ravinder Reddy, Principal Chaitanya Bharathi Institute of Technology(CBIT) Gandipet, Hyderabad-500075, T.S

#### Sub: Invitation to DLRL's Diamond Jubilee Exhibition

Sir.

Warm greetings from Defence Electronics & Research Laboratory(DLRL). Hyderabad, DLRL, a premier lab of Defence Research & Development Organization (DRDO), working in design and development of state-of-theart Electronic Warfare(EW) Systems.

- DLRL completed 60 years and celebrated its Diamond Jubilee Function on 19th March 2022. On this occasion, Chairman DRDO inaugurated DLRL product exhibition. The exhibition has DLRL photo section showing significant moments since inception. The product section has models of DLRL systems and technology modules.
- It gives us immense pleasure to extend an invitation to your students to enable them to have an exposure & overview of the EW technologies and systems.

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- You may please provide the list of students nominated for the visit along with details of person Liaising from the College. You may please contact the undersigned for further details.
- 5. Expecting to hear from you at the earliest to facilitate smooth visit at DLRL.

1

With Warm Regards.

BN Rangaswamy, Sc F Head, P&C For Director DLRL

Sno	erept.	Section	Roll No.	Name of the student	Sno	Dept.	Section	Roll No.	Name of the student
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#### DLRL[Defense Electronic and Research Laboratory] VISIT REPORT

Chandoovengutta,

21" March, 2022,

10:30am to 12:30pm

I have visited DURL on the occasion of 60 year celebration. As we enter DURL, we have sent to an auditorium room. Then one of the scientist came and give the presentation of the <u>achievements</u> and significant moments of DURL over the past 60 years. Then they have shown us the models of ORDL systems and technology modules like different types if horn antenna, you use antenna, helical antenna and different types of RADAR. They have explained about thave thenchology and clarified our doubts with patience.

> D Sivya, 160138735074, 805-0

Roll No: NPTEL22CS31S23535122 To DESABHATLA SRIYA

1-10-1/25,STREET NO.5 ASHOKNAGAR HYDERABAD TELANGANA - 500020 PH. NO :918978982660



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



This certificate is awarded to

#### DESABHATLA SRIYA

for successfully completing the course

### The Joy of Computing using Python

with a consolidated score of 69

69 %

Online Assignments	23.85/25	Programming Exam	25/25	Proctored Exam	20.22/50					

Total number of candidates certified in this course: 7438

Devendra galihal

Prof. Devendra Jalihal Chairman Centre for Continuing Education, IITM

Jan-Apr 2022 (12 week course)



Prof. Andrew Thangaraj NPTEL, Coordinator IIT Madras



Indian Institute of Technology Madras





43 Balakuthur, faculty & CE to D. Constant

#### THE ART OF LIVING FOUNDATION

www.artofliving.org

To,

Dr. P. Revinder Reddy Sir

Principal

Chaltanya Bharathi Institute of Technology

Gandipet (M), Kokapet (V)

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Yours sincerely,

YESI+ Team

(The Art of Living)

Art of Living International Center Ved Vignan Maha Vidya Peeth 21st Km, Kanakapura Road, Udayapura Bangalore, Karnataka 560 082, India.

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# YEST WORKERING PARTICIPANTS LEST , exhibition to 21 heless.

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	M.ADITHI	8465004363	AI-DS	1
	S.NEHA REDDY	9440163372	AI-05	1
-	A.PRANAV REDDY	6305569703	C5E-1	1
	A SNIGDHA	9392856572	CSE-1	1
	B.SATVIKA	7674013434	CSE-1	1
	C.VINAY KUMAR	7006567790	CSE-1	1
	CH SAI AKSHITHA	7893802690	CSE-1	1
	LALASA	9014379255		1
	M.SAI GANESH	7013754077	CSE-1	1
-	MEGHANA GANAPURAM	6303391770	CSE-1	1
13	NIKHETHA TUBATI	9652393313		-
14	PJYOTHI SREE	7330467070		1
-15	RAM CHARAN	6309771071		1
146	SHAIK ABDUL KHADER AL AMOUDI	9063239003		
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22	PALLAVI	8179012483	and the second se	1
23	RISHIKESH	9959926489		1
24	RISHITHA	8074986059		1
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36 P	ESHWAR	6309308821	ECE E-Z	-1601-20-735-088
37 P	OOJA DAMPETTA	6281770210	The second second second	- 1611-20- 735-070 .
58 P	RASHAV	9346480464	ECE F-2	- 1601-20-735-096
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B) ....

संग्रेसी/गढ १९२८/१९८७/१२०३७/२२०३१/८९९-२०२२ भारत सरकार रथा मंत्रालय देवन वा काठ, रुभावार मा विकास संगठन रक्षा व्यवेन्द्रीनिवस अनुसंधान प्रयोगशाला धारम्भद सरदमाठभटन स्वारम्भवन प्रयोगशाला धारम्भद सरदमाठभटन स्वारम्भवन्याला विद्याणानुद्रद्या लाई-सा टाक्काक्ष्रश्रक्षमा प्रथम वेद्याणानुद्रद्या लाई-सा टाककाक्ष्रश्रक्षमा प्रथम

Date: 21st March 2022

10

Dr. P. Ravinder Reddy, Principal Chaitanya Bharathi Institute of Technology(CBIT) Gandipet, Hyderabad-500075, T.S

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With Warm Regards,

BN Rangaswamy, Sc F Head, P&C For Director DLRL

Sno	Dept.	Section	Roll No.	Name of the student	Sno	Dept	A CONTRACTOR OF	1. 2-2. (1/1)	
	ECE	VI-ECE-1	160119735004	Esha Vayshnavi	32	ECE	Section ECE-02	Roll No.	Name of the student
2	ECE	I-SEM-ECE-	160119735007	8 Himaja	11	ECE	ECE-02	160120735087	Gundeboina
3	ECE	I-SEM-ECE-	and the second se	Cinduru Lasva	34	ECE	ECE-02	160120735088	Pomsari Eshwar
4	ECE	I-SEM-ECE-	180119735011	Meunika Pasham	35	ECE	ECE-02	160120735090 160120735095	Kumar yadav
5	ECE	VI-ECE-8	160110735121	Amritha Bhareavi	36	ECE	ECE-02	the second se	Emmadi Nithinkuma
6	ECE	VI-ECE-9	160119735124	Janvi Redde	37	ECE	ECE-02		Problem A future
7	ECE	VI-ECE-3	160119735140	Chirag Agarwal	3.8	ECE	ECE-02	160120735097	K pramay raj
8	ECE	VI-ECE-17	160119735144	Gunasatyarth	34	ECE	and the second se	160120735101	Sridatta: (A.C.LV
9	ECE	VI-ECE-5	160119733145	Harikrishna Nalumusu	40	ECE	ECE-02	160120735103	Julakanti sai ganesh
10	ECE	VI-ECE-12	160119735147	Padige Kalyan Kumar	41	ECE	ECE-02	160120735109	KODAM
11	ECE	VI-ECE-13	160119735150	S. Lalith Adithyan	42		ECE-02	160120735110	Siddarth P
12	ECE	VI-ECE-6	100119735158	P.Nitin	43	ECE	ECE-02	160120735309	V.Akhila
3	ECE	VI-ECE-4	the second se	Ribhu Bhatta Charya	Lasy.	ECE	ECE-02	160120735312	
4	ECE	VI-ECE-11	the second se	Rishik Routhu	14.14	±1.6	- 新花 褐 中国	14014-7250	175
5	ECE	VI-ECE-7	the second se	Sai Aditya Tirukkolluru					
6	ECE	VI-ECE-15		MVS Bharadwaj					
	ECE .	VI-ECE-18	160119735168	K.Sai Kumar Reddy					
	ECE	VI-ECE-16	160119735173	Saketh Roshaw					
	ECE	VI-ECE-10	160119735177	Md Tousif Ahmed			-		
	ECE	VI-ECE-14	160119735179	NVS Charan		1	4		
	ECE	ECE-02	E. C. M. A. A. L. M. L	Afiza bee		-	1		
	ECE	ECE-02	160120735062	Goothe Ventoria			1	r King M n.L. ECE Codeling	1
_	ECE	and the second se	160120735064	Mahitha		( 7)	4. View	1 Kinder	1
4	ECE	and the second se	160120735065	Manutha				A FCC	dent
5	ECE	and the second se	160120735063	stanassi Thota		and a	ASC P	D A . MAR	calse.
5	ECE	and the second se	160120735067	Meghana		15	ar Ar	Codelina	( cut
7	ECE	the second se	160120735070	Pooja Dampetla		1	ecoul	C D D C D D D D D D D D D D D D D D D D	)
_	ECE		160120735073	M.sai shivani					
_	ECE	the state of the s	160120735074	Desabhatla Sriya					
	ECE	the second se	160120735077	Vasavi K					Martin Constant
-	ECE	ECE-02	160120735084	Charan P (ARML++)					
-	112144	EX-E-04	100120735086	Gundu Dhanush					

## DLRL(Defense Electronic and Research Laboratory) VISIT REPORT

075 - Read-only

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#### Chandrayangutta,

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21st March, 2022,

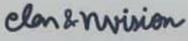
10:30am to 12:30pm

I have visited DLRL on the occasion of 60 year celebration. As we enter DLRL, we have sent to an auditorium room. Then one of the scientist came and gave the presentation of the achievements and significant moments of DLRL over the past 60 years. Then they have shown us the models of DRDL systems and technology modules like different types if horn antenna, yagi-uda antenna, helical antenna and different types of RADAR. They have explained about these technology and clarified our doubts with patience.

Then we went to another section where we have encountered all the great achievements by the DLRL like ANIRUDH, PRITHVI, RUDRAM, NAG MISSILE, etc. As I am from ECE department, we have gained exposure to more advanced IC technology, signal transmitters and receivers.

> Swathi pokuri, 160120735075, ECE-2

# **REMARK SKILL EDUCATION** WORKSHOP COMPLETION CERTIFICATE **Proudly Presented To** Swathi Pokuri On successful completion of Remark Skill Technical Workshop Program from 5th - 6th November, 2022 at IIT HYDERABAD COURSE Java Programming Certificate Code: **REM56538** Madhu Das Hitesh Kumar Verify Your Certificate at: Co-Founder Co-Founder www.remarkskill.com/REM56538 1



IIT HYDERABAD

Certificate of Workshop Participation

Proudly Presented to

#### Swathi Pokuri

Successfully completed Remark Skill Technical Workshop on Java Programming in Association with Elan & nVision IIT Hyderabad

> Venue: IIT Hyderabad on 5th & 6th November, 2022

Madhu Das I Co-Founder Remark Skill Education

Swapnish Sahare I Overall Head Elan & nVision IIT Hyderabad



# CERTIFICATE OF ACHIEVEMENT

Participation certificate This is presented to

Swathi

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh ( Total Duration : 1 hour )

Pastony

Signature

## CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS). HYDERABAD-75

Nam	Record of Activities for 1 e of the student: G. Vost shint.						Dep	arlm	nt:	66	1 -2	-
	number: 1601-20- 735-076	-										
- cont	100.0.20	2	. 2	-			1	oints		nce		Grad
Sno	Activity	Points	Nat	1	н	111	IV	V	VI	VII	VIII	1014
	MOOCS (SWAYAM/ NPTEL/ COURSERAS	n, eda	ixalent	1		1	1.	1		1		
1	12 weeks	20	-40		1	12-		-				
	Sucels I decides	16		-	V	a set o	-					
2	Stucets Tech Fest R&D Day/Freshers Workshop/ C	onfere	ence/ h	ICA:	itmon	s cic.	-	1				-
	Organizer	2	10	_		-	1	1	-			-
	Participant	3	6	-	-		× -	-				1
3	Rural Reporting	5	10	_	-	-						_
4	Harithaharam plantation	1	5									
5	Participation in Relief camps	20	40	-	-	-	1	-				
6	Participation in Debate/ Group Discussion/	10	20				1		uticl	e/inte	rnet)	-
7	Technical Quiz Publication in News Paper, Magazines	in in	stituti	on	leve	1 (M	agaz	ine /	artier	I	-	
7	rubication in rectar open rub	10	20					-		-		1
_	Editor	5	10					-	-	-	-	1
8	Writer Publication in News Paper, Magazine &	10	20							-	-	-
	Blogs Research Publication (per publication)	10	20					-	_	-	-	-
9	Innovation Projects (other than course	20	40									-
-	requirements)	5	10	-						-	-	1
11	Blood donation (NSS or NCC participation	10	20				122					-
12	Blood donation/NSS camp organization			-						-	-	-
13	Participation in Sports Games	5	10							-	-	-
	College level	10	20							-	-	-
_	University fevel	12	24							-	-	-
	Region level	15	30						÷	-		-
	State level	20	20							-	-	-
	National level Cultural Programme (Dance, Drama,	-										
14	Elocution, Music etc. )	5	10					_			-	-
15	Member of Professional Society	5	10					-	-	-	-	-
15	Student Chapter /Cubs	5	10				,	-		-		-
17	Relevant Industry Visit & Report	10	20		_	-	1	-		-	-	-
18	Photography activities in different Clubs (Photography club, Cine club)	5	10									1
19	Participation in Yoga camp	5	10			-				-	-	-
20	Self-Entrepreneurship Program (unthings)	20	20			V		1		-	-	-
21	Adventure sports with Certification	10	20					_		_	-	-
22	Training to under privileged Physically challenged	10	20									
23	Community Service & Allied Activities	10	20									
24	Class Representative	5	10								1	1
24	Total points										1	
-	Signature of the Mentor											
	Signature of HoD	-										

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

#### Roll No: NPTEL21H557533632181

To VARSHINI GOLI HNO: 8-3-486/1 GODAMGADDA,KARIMNAGAR KARIMNAGAR TELANGANA - 505002 PH. NO :9550385113

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



This certificate is awarded to

#### VARSHINI GOLI

for successfully completing the course

#### **Developing Soft Skills and Personality**

with a consolidated score of 52

52 %

Online Assignments 22/25 Proctored Exam 30.01/75

Total number of candidates certified in this course: 8853

Prof. Rajesh M.Hegde Chairman, Centre for Centinuing Education IT Kanpur Aug-Oct 2021 (8 week course)

Prof. Satyaki Roy NPTEL Coordinator IT Kanpur



Indian Institute of Technology Kanpur

Roll No:NPTEL21HS57S33632181

To validate and check scores: https://nptel.ac.in/noc





IT HYDERABAD

Certificate of Workshop Participation

Proudly Presented to

**Goli Varshini** 

Python Programming in Association with Elan & nVision IIT Hyderabad Successfully completed Remark Skill Technical Workshop on

Venue: IIT Hyderabad on 5th & 6th November, 2022

Madhu Das I Co-Founder Remark Skill Education

Machin Das

Justice

Elan & nVision IIT Hyderabad Swapnish Sahare | Overall Head





# **CERTIFICATE** OF ACHIEVEMENT

Participation certificate This is presented to

G Varshini

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh ( Total Duration : 1 hour )



Pathoni

Signature

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING BE III SEMESTER (ECE-2)

## TITLE: PASSWORD BASED SECURITY SYSTEM USING ARDUINO

S.no	Student name	Roll.no
1.	Hamsika R.G	160120735063
2.	Paturu Sahithi	160120735072
3.	Vasavi Kondapaneni	160120735077

#### ABSTRACT

Security is a main concern in our everyday life. Each and every individual needs to feel secure. An access control for doors forms an essential part in our security pattern. Doors locked using conventional locks are not as safe as they used to be, anyone can break in by breaking these locks. We tend to make a framework that will give 24/7 benefit. Password based door lock system allows only approved persons to access restricted areas. This system is fully controlled by Ardumo. The password can be entered via a keypad. If the password is matched with the stored password in Ardumo the door opens. This programmed password based framework will give client more secure and minimal effort method for locking-opening framework. The security door lock automation system provides a further step to the future where mechanical door locks will be substituted by electronic door locks.

The project aims to provide security through a security password which is confidential for the user alone. The user will need to enter a password to unlock the door. On successful password entry, the door gets open for a specific amount of time letting the individual to enter. On the other hand, if the user enters wrong password door doesn't get open which is completely controlled by ARDUINO UNO.

The user can enter a password as required. The entered password during installation will be saved as set password. Initially the system is locked, when the user enters a password, the entered password is checked with predefined set password. If the pasaword matches, the servo motor deflects and the door gets unlocked. If the password entered is correct or not the arduino will check in its database. If the entered password matches with the set password, LCD will display UNLOCKED message on its screen and the door gets unlocked allowing the individual to enter.

The main purpose is to design a security system which is beneficial to each and every individual. We designed a security system using Arduino. The System we designed is successful and, affordable and provides security effectively.

Real

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

#### Roll No: NPTEL21H557533634726

TO VASAVI KONDAPANENI JAN-71 VIPPALAMADAKA,WYRA KHAMMAM TELANGANA - 507165 PH. NO :7093027371

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



96

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.









This certificate is awarded to

#### VASAVI KONDAPANENI

for successfully completing the course

#### **Developing Soft Skills and Personality**

with a consolidated score of 67

Online Assignments 21.79/25 Proctored Exam 45.38/75

Total number of candidates certified in this course: 8853

Prof. Rajesh M.Hegde Chairman, Centre for Continuing Education IT Kanpur

Aug-Oct 2021 (8 week course)

Prof. Satyaki Roy NPTEL Coordinator IT Karpur



Roll No: NPTEL 21 HS57533634726

Indian Institute of Technology Kanpur

#### To validate and check scores: https://nptel.ac.in/noc

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

#### Roll No: NPTEL21CS55S13582799

To VASAVI KONDAPANENI JAN-71 VIPPALAMADAKA,WYRA KHAMMAM TELANGANA - 507165 PH. NO :7093027371

	Score	Type of Certificate
	>=90	Elite+Gold
	75-89	Eite+Silver
	>=60	Eite
1	40-59	Successfully Completed
t	<40	No Certificate

#### No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



for successfully completing the course

Programming in C++

with a consolidated score of 62

Online Assignments 17.08/25 Programming Exam 25/25 Proctored Exam 20/50

%

Total number of candidates certified in this course: 336

Prof. G P Raja Sekhar Dean. Continuing Education IIT Kharagour Jul-Sep 2021 (8 week course)



Prof. Debjani Chakraborty Coordinator, NPTEL IT Kharagpur



Indian Institute of Technology Kharagpur

oll No:NPTEL21CS55513582799

To validate and check scores: https://notel.ac.in/noc





# **MAKERS OF INDIA 2021**

VAAC

# CERTIFICATE

This is to certify that Mr. / Ms. VASAVI of CBIT has participated in Project Expo with a project entitled " IMPLEMENTATION OF PASSWORD BASED SECURITY SYSTEM " on 11th December 2021 at Chaitanya Bharathi Institute of Technology (A), Hyderabad - 500075, Telangana, India.

P. Satich

Dr. P. Sathish Faculty Incharge, MOI 2021



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

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		SUDHEE 2022 (Ignite Innate Innovations)	2
		23 - 24 March	
er o	C	ERTIFICATE OF PARTICI	PATION
100	This is to certify that M	Ir. / Ms. Ajay Reddy Po	of S
9	CB	IT V V	
C.	and presented a Paper/Poster	Project-Expo in the event	THON - 2022
	during 23 - 24 March 2022 a	at Chaitanya Bharathi Institute of Technol	ogy (A), Hyderabad - 500 075, Telangana,
Ir	India.		
and the second	Prof. D. Krishna Redd Chairman, Sudhee-2	O MAN	Prof. P. Ravinder Reddy Principal, CBIT(A)
ST.	Alt alt		
		- march	



# **CERTIFICATE** OF ACHIEVEMENT

Participation certificate This is presented to

Pogula Ajay Reddy

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh (Total Duration : 1 hour)



Signature

# 91 UCI University of California, Irvine COURSE CERTIFICATE Jun 50. 2022 **JATOVATHANIL** has successfully completed. Introduction to the Internet of Things and courser Embedded Systems an online non-credit course authorized by University of California, fevine and offered through Coursers Ham last Harris Verify at coursers.org/verify/MEHTA7286C8] Coursel's has confirmed the identity of this individual and their paretrigation in the energy



S.	-	đa	502	) Tte			a Roman	TOVA
	during 23 - India.	and present	This is to					ST ST
Prof. D. Krishna Reddy	during 23 - 24 March 2022 at Chaitanya Bharathi Institute of Technology (A), Hyderabad - 500 075, Telangana, India.	and presented a Paper/Poster/Project-Expo in the event	certify that Mr. / Ms.				CH NST	J
di .	at Chaitanya Bh	r/Project-Expo i	Mr. / Ms	CERTIFIC		ls	AITANYA ITUTE OF T Mage), Gandipet, Hydenabu	
	arathi Institute o	n the event	Jatovath Anil	CERTIFICATE OF PARTIC	23 - 24 March	SUDHEE 2022 (Ignite Innate Innovations)	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A) Kokapet (Vilisge), Gandipet, Hyderabad, Telangana-500075, www.cbit.ac.in Rokapet (Vilisge), Gandipet, Hyderabad, Telangana-500075, www.cbit.ac.in Bio. Canifed	Sec.
	of Technology (	Papes .	Anil	ARTICIPA	urch	2022 vations)		
Prof P	A), Hyderabad	Psei entatione	has narticin	IPATION			COMMITTED TO RESEARCH INNOVATION AND EDUCATION	ſc.
Prof P Ravinder Reddy	- 500 075, Tela		of the participated in "Sudhee-9099"				years	1. R.S.
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#### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS), HYDERABAD-75

#### Record of Activities for Mandatory Additional Requirements

Roll	Name of the student: S-Bhagath Roll number: 160120735 013						Department: ECE					
	Activity	Points	Max. points	1			Points Earned					
Sno				1	п	ш	IV	v	VI	VII	vш	Tota
1t	MOOCs (SWAYAM: NPTEL: COURSERA/or	equ	ivalent	F.								
1	12 weeks	20	40	1								-
	8 weeks	16								1		
2	Tech Fest' R&D Day/ Freshers Workshop/ Conference/ hackathons etc											
	Organizer	5	10					11-1		11		
	Participant	3	6			~	8	01.0				3
3	Rural Reporting	5	10		1							1
4	Harithaharara /plantation	1	5								1	
5	Participation in Relief camps	20	+0				5.1			1		
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20				1					10
7	Publication in News Paper, Magazines in institution level (Magazine / article internet)											
	Editor	10	20		1	1	1		1	1		-
	Writer	5	10		-	-	-		-	-		1
8	Publication in News Paper, Magazine & Blogs	16	20	-								
9	Research Publication (per publication)	10	20	-	1	-	-	-	-			1
10	Innovation Prosects inther than course	20	40									
11	Blood donation 'NSS or NCC participation	5	10		-	1	-	-	-		-	-
12	Blood donation NSS camp organization	10	20	-	-	1	-	-	-	-		-
13		-		-	-		-	-	-	-	-	
	Co'lege level	5	10	-	1	-	1	t.	T	1		
	University level	10	20	-				1				
	Region evel	13	24	-	-	-1	1	1		1.00	-	+
	State level	15	30	-		1	-	1				
	National level	20	20		1			1.				
14	Cultural Programme (Dance, Drama,	3	10	Γ								
12	Member of Professional Society	-5	10	-	+	V	1	1	-			5
15	Student Chapter Cubs	4	10	-	1	-		1	1			
16		10	26	1	-		1	-	1	1	1	
18	Photography activities in different Clubs (Photography club, Cine club)	3	10	Γ	1							
	and the second se	- 1	10	-		-	1				1	
10	Self-Entrepreneurship Program	20	20	1			-				1	1
20	Adventure sparts with Confication	10	-	1		1	-				1.	
21	Training to under privileged Physically	10										
	Commonty Service & Allied Activities	10	Čđ.	1	_				1			
21		.5	1++	1	-	1	1		1			
24	t lass Representative Total points	-	-	-	1		-	-	1	1		Ľ
-	Signature of the Mentor		1			-	1					
	Signature of HoD		1	Ŧ		-	-		1	1		

## CERTIFICATE OF ACHIEVEMENT

Participation certificate

This is presented to

S.Bhagath

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh (Total Duration : 1 hour)



Signature



Membership No: 241575 Certificate No: 066144 THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS IETE STUDENTS FORUM CERTIFICATE issued to Sampangi Bhagath Il year, B.E. / B.Tech of ECE Chaitanya Bharathi Institute of Technology HYDERABAD (Valid from DEC 2021 to DEC 2024) Secretary General President This Certificate is the property of the Institution

	me of the student: P. Charan			_	_	_	Dep	artm	ent:	ece	- <del>2</del> .	
Ro	Il number: 60)20735084		T	-	_	_		Inint	Ear	had		
	a patrice.	Points	Max.	I				V	VI	VII	VIII	Tota
Sno					п	m	IV	v	VI	VII	vin	Tota
10	MOOCs (SWAYAM/ NPTEL/ COURSERA/		ivalent	)	-		_	-		-	_	-
1	12 weeks	20	40	_	_	_	4					-
	8 weeks	16								1		-
2	Tech Fest/ R&D Day/ Freshers Workshop/ C			acka	athon	s etc.	-					
_	Organizer	5	10		-							-
-	Participant	3	6				313					6
3	Rural Reporting	3	10							_		
4	Harithaliaram /plantation	1	5									
5	Participation in Relief camps	20	40									-
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20				10					10
7	Publication in News Paper, Magazines	in in	stituti	on	leve	I (M	agazi	ne/:	article	e/inter	met)	
	Editor	10	20								100	-
	Writer	5	10	-	_		-		-	-		
8	Publication in News Paper, Magazine & Blogs	16	20									
9	Research Publication (per publication)	10	20	-		-		-		-	-	
10	Innovation Projects (other than course requirements)	20	40									
11	Blood donation /NSS or NCC participation	5	10	-	-	-			_			
12	Blood donation/NSS camp organization	10	20		-	-	-	-		_		
13	Participation in Sports/Games	10	+0	_			- 1					
	Co'lege level	5	10		-	-	-	-				
-	University level	10	20	-	_	-	5	-		_		5
-	Region evel	13.	24	- 1		10.4	-	2				
	State level	15	30			100	4		-	1.2.5	1.4	-
-	National level		1.7.7	-		_	_	-			_	
4	Cultural Programme (Dance, Drama, Elocution, Music etc.)	20	20	-					-			_
15	the second se			_								_
-	Member of Professional Society	5	10	_		_		_				
5	Student Chapter Cubs	5	10				-					
1	Relevant Industry Visit & Report	10	26	_	_	_						
	Photography activities in different Clubs, (Photography club, Cme club)	5	10									
9	Participation in Yoga camp	3	10									
	Self-Entrepreneurship Program	20	20	1	_							
1	Adventure sports with Certification	10	30									
-	Training to under privileged Physically challenged	10	20				-		1			
3	Community Service & Allied Activities	10	20	+		-	-	-	-		_	_
4	Class Representative	20	10	+	-			-				
	Total peints	-	10			-		-			_	
_	Signature of the Mentor	-1	-	-			-				_	21
-	Signature of Heb	- 1	-	-				-	-	_		

*

Record of Activities for Mandatory Additional Requirements

• *

## Table 3: List of Activity Heads and points

Sno	Name of the Activity			Points	Max. Points Allowed
1	MOOCs (SWAYAM/NPTEL/Spoken Course	Tutorial /Coursera	/ or equivalent ) per	20	40
2	Technical Fest/ Research Day/Fre		Organizer	5	10
2	Organizer Workshop/Conference/	hackathons etc.	Participant	3	6
3	Rural Reporting			5	10
4	Harithaharam /plantation			1	5
5	Participation in Relief camps			20	40
6	Participation in Debate/Group Dis	scussion/Technic	al Quiz	10	20
7	Publication in News Paper, Magazines a	t institution level (M	lagazine / article/ internet)	10	20
8	Publication in News Paper, Maga	zine & Blogs		10	20
9	Research Publication (per publica	tion)		10	20
10	Innovation Projects (other than co	ourse requiremen	ts)	20	40
11	Blood donation /NSS or NCC par	ticipation		5	10
12	Blood donation/NSS camp organi	zation		10	20
		College level		5	10
		University level		10	20
13	Participation in Sports/Games	Region level		12	24
		State level		15	30
		National level		20	20
14	Cultural Program (Dance, Drama, 1	Elocution, Music e	etc.)	5	10
15	Member of Professional Society			5	10
16	Student Chapter /Cubs			5	10
17	Relevant Industry Visit & Report			10	20
18	Photography activities in different	t Clubs (Photogra	phy club, Cine club)	5	10
19	Participation in Yoga camp(certifi	cate to be submi	tted)	5	10
20	Self-Entrepreneurship Program			20	20
21	Adventure sports with Certification	on		10	20
22	Training to under privileged Phys	ically challenged	1	10	20
23	Community Service & Allied Act	ivities		10	20
24	Class Representative			5	10

**may be included or modified according to the inputs of stakeholders

Nam	e of the student:						Depa	artme	ent:			
Roll	number:											
		ts	ts				F	oints	Earı	ned		
Sno	Activity	Points	Max. points	Ι	Π	III	IV	V	VI	VII	VIII	Total
	MOOCs (SWAYAM/ NPTEL/ COURSERA/o			)								
1	12 weeks	20		,								
	8 weeks	16	40									
2	Tech Fest/ R&D Day/ Freshers Workshop/ C	onfere	nce/ h	acka	thons	s etc.	1					
	Organizer	5	10									
	Participant	3	6									
3	Rural Reporting	5	10									
4	Harithaharam /plantation	1	5									
5	Participation in Relief camps	20	40									
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20									
7	Publication in News Paper, Magazines	in in	stituti	ion	leve	1 (M	agazi	ine / a	articl	e/inte	rnet)	
	Editor	10	20			(	3.2.					
	Writer	5	10									
8	Publication in News Paper, Magazine & Blogs	10	20									
9	Research Publication (per publication)	10	20									
10	Innovation Projects (other than course requirements)	20	40				$\checkmark$					20
11	Blood donation /NSS or NCC participation	5	10									
12	Blood donation/NSS camp organization	10	20									
13	Participation in Sports/Games					1	1			1	I	
	College level	5	10									
	University level	10	20									
	Region level	12	24									
	State level	15	30									
	National level	20	20									
14	Cultural Programme (Dance, Drama, Elocution, Music etc.)	5	10									
15	Member of Professional Society	5	10			$\overline{\checkmark}$	$\checkmark$					10
16	Student Chapter /Cubs	5	10									
17	Relevant Industry Visit & Report	10	20									
18	Photography activities in different Clubs (Photography club, Cine club)	5	10									
19	Participation in Yoga camp	5	10									
20	Self-Entrepreneurship Program	20	20									
21	Adventure sports with Certification	10	20									
22	Training to under privileged Physically challenged	10	20									
23	Community Service & Allied Activities	10	20									
24	Class Representative	5	10									
	Total points											30
	Signature of the Mentor											-
	Signature of HoD											

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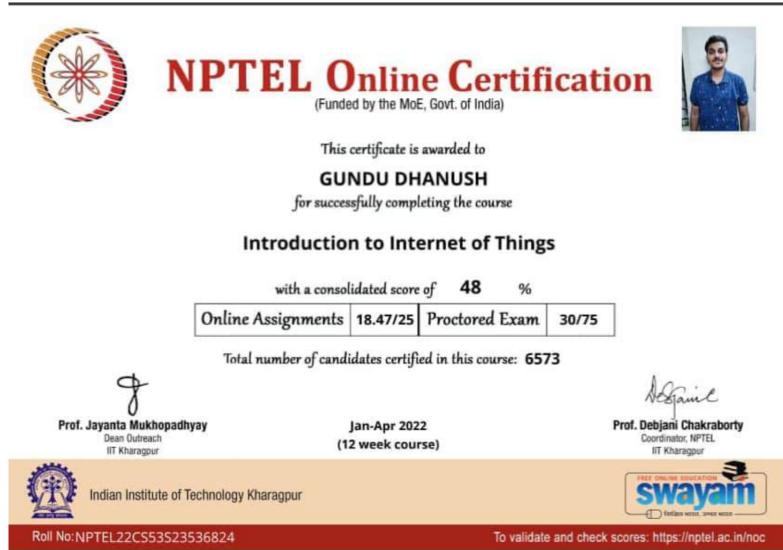
Nau	e of the student: Gr. Dhanush						Dep	artm	ent:	EC	EE	2)
Roll	number: 160120735086		-	-	-	-		laint	s Ear	had	-	
	Provide and the second s	Points	Max. points	-	in the	-		C	Part of the	T	-	
Sno	Activity	Pol	N	1	н	m	IV	v	VI	VII	VIII	Total
	MOOCS (SWAYAM/ NPTEL/ COURSERA/or	equ	ivalent	)								
1	12 werks	20	40		01	17	1					-
	8 weeks	16	4.1		100	1.012	1			1		Carlo
2	Tech Fest/ R&D Day/ Freshers Workshop/ Co	nfer	ence/h	acha	then	s etc.	1	1	1		1	
	Organizer	5	10			1		1				-
	Participant	3	6				1		1		100	
3	Rural Reporting	3	10							1		
4	Harithaharam /plantation	1	5				10 1					
5	Participation in Relief camps	20	40						1			
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20									
7	Publication in News Paper, Magazines	în îr	istitut	ion	leve	el (M	lagaz	ine /	articl	e/inte	met)	
	Editor	10	20		T	T	I		1			
	Writer	.5	10	1								
в	Publication in News Paper, Magazine & Blogs	10	20		T							
9	Research Publication (per publication)	10	20									
10	Innovation Projects (other than course (requirements)	20	40	1						1		-
11	Blood donation /NSS or NCC participation	5	10			14-0			1	1		-
12	Blood donation/NSS camp organization	10	20			1.						
13	Participation in Sports/Games	1010	10000				32-2	1	1	111: 7		
	College level	5	10	10								
	University level	10	2.0		- 7	5		-			1	
5	Region leval	12	24	208	1	1. Section	12 3	100		1985	1	
-	State level	15	30			1						_
	National Jevel	20	20			1.11						11
	Cultural Programme (Dance, Drama, Elocution, Music etc. )	5	10									
_	Member of Professional Society	5	10					1200	1			
16	Student Chapter / Cobs	5	10						1000			
17	Relevant Industry Visit & Report	10	20				1		1			180
38	Thenography activities in different Clubs (Photography club, Clus club)	5	10					11				-
19		5	10		10	-	+	-	-		-	-
20		20	in the second	4		-	-		-	-	-	
2		10	20	-	-	-	-	-	-	-		
1	chabengeo	10	1. 1996									
12		10	-		-		-	-	-	-	-	-
2	4 Class Representative	3.	10	-	-	-	-	_		-	-	-
	Total points				-	-	28	>	-	-	-	
	Signature of the Mentor					-		_	-	-	-	
1	Signature of Hell	1		1	1		-	1	-	-	-	

Roll No: NPTEL22CS53S23536824 To GUNDU DHANUSH 1-16-552/D,OPP VENKATRAMANA THEATRE INDUSTRIAL AREA KAGAZNAGAR TELANGANA - 504296 PH. NO :9640520003

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



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## SHRUTHI - 2022

Amaranthine

## CERTIFICATE OF APPRECIATION

This is to certify that Mr/ Ms <u>Dhanush</u> has won Second prize in <u>CONNECT THE DOTS</u> organized by the TOASTMASTERS club of CBIT(A), Hyderabad

& Lawoar Dr.G.Laxmaiah

Chairman Cultural Committee Shruthi 2022

Dr. K. Jagannadha Rao Chairman Shruthi - 2022

P.A.-nor

Dr. P. Ravinder Reddy Principal Advisor, Shruthi 2022

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## Table 3: List of Activity Heads and points

Sno	Name of the Activity			Points	Max. Points Allowed
1	MOOCs (SWAYAM/NPTEL/Spoken Course	Tutorial /Coursera	/ or equivalent ) per	20	40
2	Technical Fest/ Research Day/Fre		Organizer	5	10
2	Organizer Workshop/Conference/	hackathons etc.	Participant	3	6
3	Rural Reporting			5	10
4	Harithaharam /plantation			1	5
5	Participation in Relief camps			20	40
6	Participation in Debate/Group Dis	scussion/Technic	al Quiz	10	20
7	Publication in News Paper, Magazines a	t institution level (M	lagazine / article/ internet)	10	20
8	Publication in News Paper, Maga	zine & Blogs		10	20
9	Research Publication (per publica	tion)		10	20
10	Innovation Projects (other than co	ourse requiremen	ts)	20	40
11	Blood donation /NSS or NCC par	ticipation		5	10
12	Blood donation/NSS camp organi	zation		10	20
		College level		5	10
		University level		10	20
13	Participation in Sports/Games	Region level		12	24
		State level		15	30
		National level		20	20
14	Cultural Program (Dance, Drama, 1	Elocution, Music e	etc.)	5	10
15	Member of Professional Society			5	10
16	Student Chapter /Cubs			5	10
17	Relevant Industry Visit & Report			10	20
18	Photography activities in different	t Clubs (Photogra	phy club, Cine club)	5	10
19	Participation in Yoga camp(certifi	cate to be submi	tted)	5	10
20	Self-Entrepreneurship Program			20	20
21	Adventure sports with Certification	on		10	20
22	Training to under privileged Phys	ically challenged	1	10	20
23	Community Service & Allied Act	ivities		10	20
24	Class Representative			5	10

**may be included or modified according to the inputs of stakeholders

Nam	e of the student:						Dep	artm	ent:			
Roll	number:											
		uts	t. ts				ŀ	Point	s Earı	ned		
Sno	Activity	Points	Max. points	Ι	Π	ш	IV	V	VI	VII	VIII	Total
	MOOCs (SWAYAM/ NPTEL/ COURSERA/d	or equ						1		1		
1	12 weeks	20	40									
	8 weeks	16	40									
2	Tech Fest/ R&D Day/ Freshers Workshop/ C	onfere	ence/ h	acka	thon	s etc.	1					
	Organizer	5	10									
	Participant	3	6									
3	Rural Reporting	5	10									
4	Harithaharam /plantation	1	5									
5	Participation in Relief camps	20	40									
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20				10					
7	Publication in News Paper, Magazines	in in	stituti	ion	leve	1 (M	agaz	ine /	articl	e/inte	rnet)	
	Editor	10	20		-	<u> </u>			_		,	
	Writer	5	10									
8	Publication in News Paper, Magazine & Blogs	10	20									
9	Research Publication (per publication)	10	20									
-	Innovation Projects (other than course											
10	requirements)	20	40									
11	Blood donation /NSS or NCC participation	5	10									
12	Blood donation/NSS camp organization	10	20									
13	Participation in Sports/Games						I			1		
	College level	5	10									
	University level	10	20									
	Region level	12	24									
	State level	15	30									
	National level	20	20									
14	Cultural Programme (Dance, Drama, Elocution, Music etc.)	5	10									
15	Member of Professional Society	5	10									
16	Student Chapter /Cubs	5	10									
17	Relevant Industry Visit & Report	10	20				10					
18	Photography activities in different Clubs (Photography club, Cine club)	5	10									
19	Participation in Yoga camp	5	10									
20	Self-Entrepreneurship Program	20	20									
21	Adventure sports with Certification	10	20									
22	Training to under privileged Physically challenged	10	20									
23	Community Service & Allied Activities	10	20									
24	Class Representative	5	10	L								
	Total points						20					
	Signature of the Mentor											
	Signature of HoD											

	number: 160/20735088				_		-			100		-
Sno	Activity	Points	Max. points	1	п	ш	IV	oint	VI	Transie		1207
	MOOCs (SWAYAM/ NPTEL/ COURSERA/e		Maland	-			14	Y	VI	VII	VIII	Tota
1	12 weeks	20	valen	-	-	-				-	-	
	8 weeks	16	40	-	-	-	2		-	-	-	-
2	Tech Fest/ R&D Day/ Freshers Workshop/ Co		mee/ he	icki	thus	a etc	~		-	_	1	1
the state of the s	Organizer	5	10		T	T		1	-	1	-	-
- Section	Participant	3	6	-	-	-	-	-	-	-	+	-
3	Rural Reporting	5	10	_		-	-	-	-	+	-	1
4	Harithaharam /plantation	1	5		-	-	-	1	1	-	-	-
5	Participation in Relief camps	20	40	-		-	-	-	1	-	-	-
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20		-							1
7	Publication in News Paper, Magazines	in ir	stitut	ion	levi	el (N	lapaz	ine	artic	le/int	ernet	1
	Editor	10	20	-	1	T	1 Bas	T	T	T	T	-
-	Writer	5	10	-	1	-	-	-	-	+	1	+
8	Publication in News Paper, Magazine & Blogs	10	20		T	T		T	1	1	1	
9	Research Publication (per publication)	10	20		1	+	-	+	-	-	1	1
10	Innovation Projects (other than course requirements)	20	40			T	V	-				1
11	Blood donation /NSS or NCC participation	5	10			-		-	-			
12	Blood donation/NSS camp organization	10	20		1	-		1				
13	Participation in Sports/Games	102 10			1	0			1.5	- 7	- 10	
-	College level	5	10				V	1				
10	University level	.10	20									
134	Region level	12	24	17	10.5	1	2. 7			113	1	
	State level	15	30	1	T							1
	National level	20	20	T					1.1			
14	Cultural Programme (Dance, Drama, Elocution, Music etc. )	s	10									
15	Member of Professional Society	5	10	10								
	Student Chapter Cobs	5	10									
17	Relevant Industry Visit & Report	10	20				L	1				
18	Photography activities in different Clubs (Photography club, Cine club)	5	10					1				
19	Participation in Yoga camp	5	10					-			11	
20	Self-Entrepreneurship Program	20	the second se	10000			1	1				
in the second second	Adventure sports with Certification	10	-	1		-		110				-
21	Training to under privileged Physically	-		T		-	-	-				
22	challeneed	10	2.153			_						-
23	Community Service & Allied Activities	10	-			-	-			-	-	
24	Class Representative	\$	16	2	-		-	-				
-	Total point	s									-	-
	Signature of the Mento	r	1						1		-	-
_	Signature of Hol	-	-	T						1		





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WHITE CONTRACTORY AND ADDRESS The events of the second secon विकासित अन्यत्वा व्याप्त विश्वामा राज्य भारते

Doty 21* March 2022

Dr. F. Rowinster Reskly, Principal Chartery and Internative Institutes of Technology (CMT) (Sendpel, Hyderolited-500075, T.S.

Sub: Invitation to DIRL's Diamond Jublee Exhibition

1.6

Warm greetings from Detencer Electronics & Research Laboratory/DLRLI. Hyde-abod DIR, a premer lab of Detence Research & Development Organization (DRDO), wateng in design and development of statu-of the art Electronic Wartale(EW) Network

- 2. DLRL completed 60 years and descripted in Diamond Jublee Function on DUR, compensation when and beended in Duritonia Subsee Function on 19th March 2022. On this occasion, Chaliman DRDO, indugurated DUR, product exhibition. The exhibition has DUR, photo section showing significant moments since inception. The product section has models at DUR, systems and technology modules.
- If gives us immense pleasure to extend an invitation to your students to enable them to have an exposure & overview of the EW technologies and anatems.

Schedule, timings and details are given below. 21^e - 23^e March 2022 (a) 10:30 hrs. to 12:30 hrs. (b) 14:30 hrs. to 16:30 hrs. Dote: Timings

- 4. You may please provide the list of students nominated for the visit along with details of person basing from the College. You may please contact the undersigned for further details.
- 5. Expecting to hear form you of the earliest to facilitate smooth visit at DURL

1

With Worm Regards.

grow . BN Rongowamy, 5c F Head P&C For Director DUIL

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	ne of the student:						Dep	artm	ent:			
KOII	number:					_	-	Point	s Earr	ned		
Sno	Activity	Points	Max. points	1	п	ш	IV	V	VI	VII	VIII	Total
	MOOCs (SWAYAM/ NPTEL/ COURSERA/	or equ	1		-			-		-		
1	12 weeks	20	1	<u> </u>								
- * ·	8 weeks	16	40	-		3						-
2	Tech Fest/ R&D Day/ Freshers Workshop/ C	onfere	ence' h	acka	thon	1000	_	-				
1.1	Organizer	5	10				_					
-	Participant	3	6		-		6					-
3	Rural Reporting	5	10				4		-			
4	Harithaharam /plantation	1	5	-			_	-				
5	Participation in Relief camps	20	40				_	-				
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20									
7	Publication in News Paper, Magazines	in in	stitut	ion	leve	IM	3027	ine /	articl	e/inte	met)	
	Editor	10	20		10.75	- free	aBar	1.100 /	an tref	- me	mary	
_	Writer	5	10	_	-	-	_	-	-	-		
8	Publication in News Paper, Magazine & Blogs	10	20									
9	Research Publication (per publication)	10	20	_	_		_	-	-	-	-	-
9	Innovation Projects (other than course	10	20	-	-		_	-	-	-	-	-
10	requirements)	20	40			20						
11	Blood donation /NSS or NCC participation	5	10	_								
12	Blood donation/NSS camp organization	10	20					_				
13	Participation in Sports/Games			_								
	College level	5	10						-			
-	University level	10	20					-			1	-
	Region level	12	24									
	State level	15	30	-								
	National level	20	20									
14	Cultural Programme (Dance, Drama, Elocution, Music etc. )	5	10									
15	Member of Professional Society	5	10				5					
16	Student Chapter /Cubs	5	10				5					
17	Relevant Industry Visit & Report	10	20				11111					
18	Photography activities in different Clubs (Photography club, Cine club)	5	10									
19	Participation in Yoga camp	5	10									
20	Self-Entrepreneurship Program	20	20									
21	Adventure sports with Certification	10	20	-								
22	Training to under privileged Physically challenged	10	20									
23	Community Service & Allied Activities	10	20				-					
24	Class Representative	5	10									
-	Total points	_					-					
_	Signature of the Mentor			-	-							
_	Signature of HoD		-	-	-							-

## Table 3: List of Activity Heads and points

Sno	Name of the Activity			Points	Max. Points Allowed
1	MOOCs (SWAYAM/NPTEL/Spoken Course	Tutorial /Coursera	/ or equivalent ) per	20	40
2	Technical Fest/ Research Day/Fre		Organizer	5	10
2	Organizer Workshop/Conference/	hackathons etc.	Participant	3	6
3	Rural Reporting			5	10
4	Harithaharam /plantation			1	5
5	Participation in Relief camps			20	40
6	Participation in Debate/Group Di	scussion/Technic	al Quiz	10	20
7	Publication in News Paper, Magazines a	at institution level (M	lagazine / article/ internet)	10	20
8	Publication in News Paper, Maga	zine & Blogs		10	20
9	Research Publication (per publication	ation)		10	20
10	Innovation Projects (other than co	ourse requiremen	ts)	20	40
11	Blood donation /NSS or NCC par	rticipation		5	10
12	Blood donation/NSS camp organ	ization		10	20
		College level		5	10
		University level		10	20
13	Participation in Sports/Games	Region level		12	24
		State level		15	30
		National level		20	20
14	Cultural Program (Dance, Drama,	Elocution, Music e	etc.)	5	10
15	Member of Professional Society			5	10
16	Student Chapter /Cubs			5	10
17	Relevant Industry Visit & Report			10	20
18	Photography activities in differen	nt Clubs (Photogra	phy club, Cine club)	5	10
19	Participation in Yoga camp(certif	icate to be submi	tted)	5	10
20	Self-Entrepreneurship Program			20	20
21	Adventure sports with Certification	on		10	20
22	Training to under privileged Phys	sically challenged	1	10	20
23	Community Service & Allied Act	tivities		10	20
24	Class Representative			5	10

**may be included or modified according to the inputs of stakeholders

Nam	e of the student: J.Hemanth Kumar	_	_	J .	_	_		artm		EC	E	
Roll	number: 160120735090						-					
		its	ts.				F	oints	s Earı	ned		
Sno	Activity	Points	Max. points	Ι	II	ш	IV	V	VI	VII	VIII	Total
	MOOCs (SWAYAM/ NPTEL/ COURSERA/	or equ	ivalent	)								
1	12 weeks	20	40									
	8 weeks	16	40									
2	Tech Fest/ R&D Day/ Freshers Workshop/ C	onfere	ence/ h	acka	thons	s etc.	•		•			
	Organizer	5	10									
	Participant	3	6			03	03					
3	Rural Reporting	5	10									
4	Harithaharam /plantation	1	5									
5	Participation in Relief camps	20	40									
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20									
7	Publication in News Paper, Magazines	in in	stitut	ion	leve	1 (M	[agazi	ine /	articl	e/inte	rnet)	
	Editor	10	20		-				_	-	,	
	Writer	5	10							1		
8	Publication in News Paper, Magazine & Blogs	10	20									
9	Research Publication (per publication)	10	20									
-	Innovation Projects (other than course											
10	requirements)	20	40									
11	Blood donation /NSS or NCC participation	5	10									
12	Blood donation/NSS camp organization	10	20									
13	Participation in Sports/Games	~	10					1		1	1	
	College level	5	10									
	University level	10	20	-								
	Region level	12	24	-								
	State level	15	30									
	National level	20	20									
14	Cultural Programme (Dance, Drama,	5	10									
1.5	Elocution, Music etc. )	5	10									
15	Member of Professional Society	5	10 10									
16	Student Chapter /Cubs Relevant Industry Visit & Report	5 10	20				10					
17 18	Photography activities in different Clubs (Photography club, Cine club)	5	10				10					
19	Participation in Yoga camp	5	10									
20	Self-Entrepreneurship Program	20	20									
20	Adventure sports with Certification	10	20									
21	Training to under privileged Physically challenged	10	20									
23	Community Service & Allied Activities	10	20									
23	Class Representative	5	10									
2 <b>4</b>	Total points		10									
	Signature of the Mentor											
	Signature of the Mentor Signature of HoD											
	Signature of HOD		L				I	I		1	<u> </u>	

ar coul	number: 160120735091	-	-	_					ent		-	
Snn	Antivity	Points	Max. points			1000		T	Ear	Louis a la		
		Ĥ	Na	1	н	ш	IV	V	VI	VII	VIII	Total
3	MOOCA (SWAYAM/ NPTEL/ COURSERA/ 12 writes		ivalen	1			-	100		-	-	Call S
	8 weeks	20	40								1	1
2	and the second se	16	100000	1				1.00			10000	10.00
-	Tech Finit/ R&D Day/ Fernheer Workshop! Co	mfan	mace/h	acka	then	s ein,	1			-		1. 2
	Participant	2	10					1	1	1		1504
3	Raral Reporting	1	6			1.3		1		-		1. 1.
4	Harithabaram /plantation	5	10									Test 1
5	Participation in Relief camps	E.	5			107			-		2	1
	Participation in Data	20	40		1							Col B
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20				10					R.
7.0	Publication in News Paper, Magazines	in it	nstitut	inn	terica	101		and the	Contra la	1000	1.00	1000
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*	Publication in News Paper, Magazine & Blogs	10	20							-		-
9	Research Publication (per publication)	10	20	_	-	1		100	-	-	1	
10	Innovation Projects (other dus course	10	20	_			_		-	-		1500
10	(vectorrenter)	20	40									
11	Blood donation (NSS or NCC participation	5	10	-	-	-	_	-	_	_	-	
12	thood donation/NSS camp organization	10	20		-		-	-	-	-		
13	Participation in Sports Ciames		1.000	-	-		-	_	-		-	-
	College level	5	10			1		-	-	-	-	-
	University level	10	20	-			-	-	-	-		-
	Region level	12	24				-	*	-	-	-	-
	State level	15	30					-	-	-	-	-
_	National level	20	20		1000		-	1	-	-		-
14	Caltural Programme (Dance, Drama, Elocation, Music etc.)	5	10									-
15	Member of Frofessional Society	5	10	-	-	-	-	-	-	_	-	-
16	Student Chapter /Cubs	5	10			5	5	-	-	-	-	-
	Refevant Industry Visit & Report	10	20	-	-	-			-		-	-
	Photography activities in different Clubs (Photography club, Cine club)	3	10									
	Participation in Yoga camp	3	10				-	-	-	-	-	-
25	Self-Entrepreneurship Program	20	20			-	_	-			-	-
22	Advenues sports with Certification	10	20	-	-		-	-	-	-		
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23	Community Survive & Alliel Antesines	10.	20							-	1	
24	Class Representative		10									
	Total points					5	15			-		
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	Signature of Hull										-	



## ENGINEERS WITHOUT BORDERS 9ndia

## **EWB - Student Membership Card**



## Name

Membership

: Tallam Lakshmi Venkata Sai Kumar

: Student

STA 13161

Membership No Membership Type : Annual Chapter

: EWB - India **CBIT Student Chapter** 

Valid till the member is active

Bronton Chairman

Room No. 416, 4th Floor, Model House, Panjagutta, Hyderabad - 500 082 Tel: 040-23410946 Email: ewbindia@ewb-india.org

Membership No: 241580	Certificate No: 066149
	THE INSTITUTION OF
	ND TELECOMMUNICATION ENGINEERS STUDENTS FORUM CERTIFICATE
STRUCT AND TRECOM	issued to
Tallan	m Lakshmi Venkata Sai Kumar
Mill . NOIA . SH	II year, B.E. / B.Tech of ECE
Chaitany	a Bharathi Institute of Technology
	HYDERABAD
(Val	lid from DEC 2021 to DEC 2024)
spr	Proper
Secretary General	President
	This Certificate is the property of the Institution

Table 3: List of Activity	Heads an	d points
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Sno	Name of the Activity	Points	Max. Point Allowed				
1	MOOCs (SWAYAM/NPTEL/Spoke Course	20	40				
2	Technical Fest/ Research Day/Fr	Organizer	5	10			
2	Organizer Workshop/Conference	3	6				
3	Rural Reporting	5	10				
4	Harithaharam /plantation	1	5				
5	Participation in Relief camps	20	40				
6	Participation in Debate/Group D	10	20				
7	Publication in News Paper, Magazines	lagazine / article/ internet)	10	20			
8	Publication in News Paper, Mag	10	20				
9	Research Publication (per public	10	20				
10	Innovation Projects (other than c	20	40				
11	Blood donation /NSS or NCC pa	5	10				
12	Blood donation/NSS camp organ	10	20				
	and Maria Balance	College level	College level				
	Participation in Sports/Games	University level	10	20			
13		Region level	12	24			
		State level		15	30		
		National level	20	20			
14	Cultural Program (Dance, Drama,	5	10				
15	Member of Professional Society	5/1		5	10		
16	Student Chapter /Cubs			5	10		
17	Relevant Industry Visit & Repor	10	20				
18	Photography activities in differe	5	10				
19	Participation in Yoga camp(certi	5	10				
20	Self-Entrepreneurship Program	20	20				
21	Adventure sports with Certificat	10	20				
22	Training to under privileged Phy	sically challenged	1	10	20		
23	Community Service & Allied Ac	tivities		10	20		
24	Class Representative			5	10		

**may be included or modified according to the inputs of stakeholders

Name of the student: RITHVIK MADHAVARAM Roll number: 160120735092							Department: ECE						
	100120700032					- 27	Points Earned						
Sno	Activity	Points	Max. points	I	п	ш	IV	v	VI	VII	VIII	Total	
	MOOCs (SWAYAM/ NPTEL/ COURSERA/	or equ	and the second second		_								
1	12 weeks	20											
	8 weeks	16	40			1.1					1		
2	Tech Fest/ R&D Day/ Freshers Workshop/ Conference/ hackathons etc.												
	Organizer	5	10							<u> </u>			
	Participant	3	6			06	1						
3	Rural Reporting	5	10										
4	Harithaharam /plantation	1	5										
5	Participation in Relief camps	20	40	-			_			-			
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20										
7	Publication in News Paper, Magazines	in ir	stituti	ion	leve	IM	agaz	ine / i	articl	e/inte	rnet)		
-	Editor	10	20			1	0.0			1			
-	Writer	5	10	-			-			-		-	
8	Publication in News Paper, Magazine & Blogs	10	20										
9	Research Publication (per publication)	10	20		-		-						
-	Innovation Projects (other than course			-	-	-		-		-			
10	requirements)	20	40			20							
11	Blood donation /NSS or NCC participation	5	10										
12	Blood donation/NSS camp organization	10	20				- 0			1	1		
13													
	College level	5	10										
	University level	10	20							-			
_	Region level	12	24									-	
	State level	15	30										
	National level	20	20										
14	Cultural Programme (Dance, Drama, Elocution, Music etc. )	5	10										
15	Member of Professional Society	5	10										
16	Student Chapter /Cubs	5	10			1					1	-	
17	Relevant Industry Visit & Report	10	20										
18	Photography activities in different Clubs (Photography club, Cine club)	5	10										
19	Participation in Yoga camp	5	10										
20	Self-Entrepreneurship Program	20	20					1			1		
21	Adventure sports with Certification	10	20										
22	Training to under privileged Physically challenged	10	20										
23	Community Service & Allied Activities	10	20										
24	Class Representative	5	10				-				-		
	Total points					26							
-	Signature of the Mentor	-			-								
-	Signature of HoD	-					_						

## **CERTIFICATE** OF ACHIEVEMENT

## Participation certificate

This is presented to

Rithvik Madhavaram

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh ( Total Duration : 1 hour )



Signature



## C E R T I F I C A T E

THIS CERTIFICATE IS AWARDED TO

## **Rithvik Madhavaram**

for participating in the webinar on 'Social Network Analysis -Big Data Analysis' organized by EduCare Taiwan with National Yang Ming Chiao Tung University & National Tsing Hua University.

Huilin Chen

Ms. Huilin Chen CEO & Founder 27 February, 2022

Date



## CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERINGBE III SEMESTER (ECE-2)

TITLE: Arduino Based Hand Gesture Control of Computer

NAMES OF THE STUDENTS: R.Shrayan -160120735098 M.Rinhvik -160120735092

K.Y.Nisheeth -160120735119

### ABSTRACT

Gesture based interaction systems are becoming very popular both at workplace and home. This work intends to develop a system which can recognize hand gestures which can be used as an input command to interact with the PC or laptop. One of the key areas which need to be looked at while developing such systems is the code implementation stage. In order to manage the work we shall be using Python for the implementation of the code.

In order to control pc using ultra sonic sensors, this technique is called Leap motion which enables us to control certain functions on our computer/Laptop by simply waving our hand in front of it. Gesture 1: Place the hand in front of the Right Ultrasonic Sensor at a distance (between 15CM to 35CM) for a small duration and move our hand away from the sensor. This gesture will Scroll Down the Web Page.

<u>Gesture 2:</u> Place the hand in front of the Right Ultrasonic Sensor at a distance (between 15CM to 35CM) for a small duration and move our hand towards the sensor. This gesture will Scroll up the Web Page. <u>Gesture 3:</u>Swipe the hand in front of the Right Ultrasonic Sensor. This gesture will move to the Next Tab. <u>Gesture 4:</u> Swipe the hand in front of the Left Ultrasonic Sensor. This gesture will move to the Previous Tab or Play/Pause the Video.

Gesture 5: Swipe the hand across both the sensors (Left Sensor first). This action will switch between Tasks. Based on the above mentioned gesture, the following Arduino Program has been written.

Gesture recognition is useful in processing information from human beings that is not conveyed through speech or other methods. This technology is useful in following areas:

- a. Immersive gaming technology
- b. Control through facial gestures
- c. Alternative computer interfaces
- d. Remote control
- e. Home Appliances control

CLUB COORDINATOR P.SATISH (ECE DEPT) R. Sam

Roll	e of the student: Manoj Reddy .T number: 1601-20-735-093			-	-	_	Department: ECE-2						
Sno		Points	sts				Points Earned						
		Pol	Max.	1	n	m	IV	v				-	
1	MOOCs (SWAYAM/ NPTEL/ COURSERA/o 12 weeks	r cou	ivalent	1			•		VI	VII	vm	Total	
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	Participant	5	10	ack:	thon	s etc.	_	_					
3	Purel P	3		_	-	_							
4	Rural Reporting	5	6	-	-	3	3						
5	Harithaharam /plantation	-	10	_					-	-	-	-	
-	Participation in Relief camps	1	5				1.1			-	-	-	
6	Technical Ouiz	20	40	-	-								
7	Publication in News Person 14		20			10	23						
	Publication in News Paper, Magazines Editor Writer	in it	stitut	ion	leve	In	anari	no l					
-	Writer	10	20	-	1	1 (10)	agazi	nc/	artich	c/inte	met)		
8	Publication in New Y	5	10	-	-	-	-						
0	Publication in News Paper, Magazine & Blogs	10	20	-	-	-		-	_			_	
	Research Publication (per publication)	10	20	-	_								
10	requirements) (other than course	20	20	-	-			_					
11	Blood donation /NSS or NCC participation	- 24	40			20					1		
12	Blood donation/NSS camp organization	5	10			-	-	-	-	-			
13	Participation in Sports/Games	10	20			-		-	-	-			
1	College level			1	-	-			L				
	University level	5	10		T			-	-	-			
	Region level	10	20		-	-	-	-	-	-			
	State level	12	24		-	-	-	-	-				
	National level	15	30	1	-	-	-	-	-				
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14	Elocution, Music etc. )	5	10	T	$\vdash$	-	-	-	-	-			
15	Member of Professional Society	5	10	-	-	-							
16	Student Chapter /Cubs	5	-	-	-	+				-	-	-	
17	Relevant Industry Visit & Report	10	10	-	-	10	\$			-	-	-	
18	Photography activities in different Clubs (Photography club, Cine club)	5	20	-	-	-	-		-				
19	Participation in Yoga camp												
20	Self-Entrepreneurship Program	5	10				-	-	-	-	-	-	
21	Adventure sports with Certification	20	20				-	-	-	-			
22	Training to under privileged Physically challenged	10	20	-	-		-				-		
23	Community Service & Allied Activities	10	20										
24	Class Representative	10	20	1	1	-	-	-	-	-	-		
	and actuality of the second se	5	10		+	-	-	-	-				
-	Total points			1	+	10	00	-	-				
-	Signature of the Mentor			1	+	14	123	-				1	
_	Signature of HoD		-	+	+	+	-	-					



## **EWB** - Student Membership Card

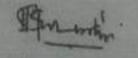


Name Membership Membership No. :13064 Membership Type : Annual Chapter

- : Manoj Reddy T
- : Student

: EWB - India CBIT Student Chapter

Valid till the member is active



Chairman

Room No. 416, 4th Floor, Model House Punjagutta, Hyderabad - 500 082. Tel: 040-23410946 Email: ewbindia@ewb-india.org

W27722, 12:37 PM

IMG-20220627-WARDOOD and





Chaitanya Bharathi Institute of Technology (A) (Affiliated to Osmania University)

Department of Electronics and Communication Engineering

## AAVISHKAAR PROJECT EXPO

Title	1	CAR PARKING	
Names		Bogoju Mukesh Manoj Reddy Talusani Sai Teja Eraram	
College Name	10	Chaitanya Bharathi Institute of Technology(A)	

## Abstract

Parking is more than a necessary element of larger residential or commercial uses. It ments consideration as a distinct land use that affects travel behaviour and environment.

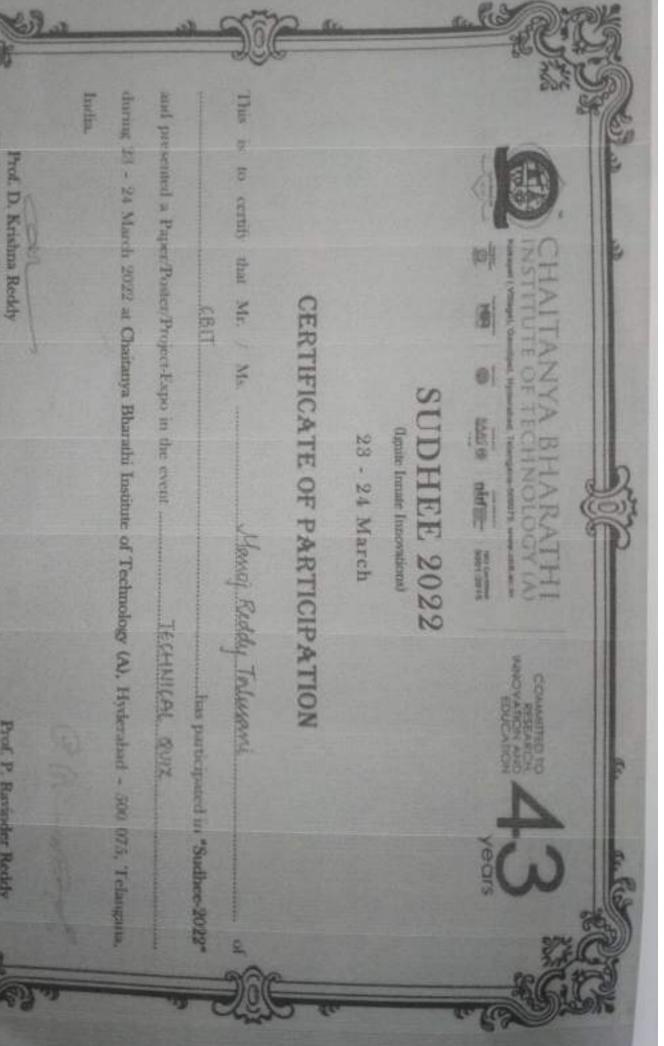
The primary goal of parking management is to create parking availability near business and restaurants so that customers can easily find a space. The perception of a parking shortage results when drivers have difficulty in finding an open parking space. Drivers become frustrated and waste time and fuel while searching for an empty slot. They will be in a confusion that whether the parking slots are available or not.

"Car parking" is a project designed to ensure whether the parking slots are present or not, if present then how many slots are free and how many are filled using Arduino and Infrared sensors.

This project works based on the working principle of IR sensors. In this we have used two sensors. Whenever the first vehicle enters the parking slot the first IR sensor detects the vehicle and the gate opens if the parking slots are empty with the help of a servo motor and whenever the vehicle reaches the second IR sensor it detects the vehicle and the gate closes. If the parking slots are filled completely then the LCD displays that no slots available. This is how the project works.

So, this project helps the drivers to know whether the parking slots are empty or filled and also helps them to save their time and fuel in search of knowing whether the parking slots are present empty or not.

8 sent



Prof. P. Ravinder Redd Principal, CBIT(A

harman, Sudbee-2022

CHAITANYA BHARATHI

## SUDHEE 2022

(Ignite Innate Innovational)

23 - 24 March

# CERTIFICATE OF PARTICIPATION

Thus 6 certify that Mr. / Mr. Maney Reddy Jaluani BIT has participated in "Sudhee-2022"

during 23 - 24 March 2022 at Chaitanya Bharathi Institute of Technology (A), Hyderabad - 500 075, Telangana

India.

Prof. D. Krishna Reddy Chairman, Sudhee-2022

Prof. P. Ravinder Reddy Principal, CBIT(A)

of Technology (A), Hyderabad - 500 075, Telangana, India. Kegistration desk This is to certify that Mr. / Ms. Manej Reddy Talusani Chairman, Sudhee-2022 Prof. D. Krishna Reddy CBIT CHAITANYA BHARATHI Kokapet | Village), Gamilipet, Hydershad, Telangana 500075, www.chit.ac.in NBN CERTIFICATE OF APPRECLATION in "Sudhee-2022"during23 - 24March 2022 at ChaitanyaBharathi Institute 0 SUDHEE 2022 NAAG Inifia no commen (Ignite Innate Innovations) 23-24 March manuscript has worked as a VOLUNTEER for the event Nor I COMMITED TO RESEARCH NNOVATION AND Prof. P. Ravinder Reddy Principal, CBIT(A) the Mar Veors



# OF ACHIEVEMENT

Participation certificate

This is presented to

MANOJ REDDY TALUSANI

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh ( Total Duration : 1 hour )



Signature Puttony

#### Table 3: List of Activity Heads and points

Sno	Name of the Activity			Points	Max. Point Allowed
1	MOOCs (SWAYAM/NPTEL/Spoker Course	i Tutorial /Coursera	$\ell$ or equivalent ) per	20	40
2	Technical Fest/ Research Day/Fr		Organizer	5	10
	Organizer Workshop/Conference	/hackathons etc	Participant	1	6
3	Rural Reporting			5	10
4	Harithaharam plantation			1	5
5	Participation in Relief camps			20	40
6	Participation in Debate/Group D	iscussion/Technic	al Quiz	10	20
7	Publication in News Paper, Magazines	at institution level (N	Magazine / article/ internet)	10	20
8	Publication in News Paper, Mag	azine & Blogs		10	20
9	Research Publication (per public	ation)		10	20
10	Innovation Projects (other than c	20	40		
11	Blood donation /NSS or NCC pa	articipation		5	10
12	Blood donation/NSS camp organ	nization		10	20
		5	10		
			10	20	
13	Participation in Sports/Games	Region level		12	24
			15	30	
		National level		20	20
14	Cultural Program (Dance, Drama	Elocution, Music	etc.)	5	10
15	Member of Professional Society	1.		5	10
16	Student Chapter /Cubs			5	10
17	Relevant Industry Visit & Report	rt.		10	20
18	Photography activities in different	nt Clubs (Photogr	aphy club, Cine club)	.5	10
19	Participation in Yoga camp(certi	ficate to be subm	nitted)	5	10
20	Self-Entrepreneurship Program			20	20
21	Adventure sports with Certificat	tion		10	20
22	Training to under privileged Phy	sically challenge	:d	10	20
23	Community Service & Allied A	ctivities		10	20
24	Class Representative			5	10

#### Record of Activities for Mandatory Additional Requirements

	cof the student: BOGOTU MU number: 160120735094	-	Com			- 1	the los			EC		
	10010-100-11	5	. 5	1	0- A		P	oints	Ear	ned		
Sno	Activity	Points	Max. points	I	п	ш	IV	v	VI	VII	VIII	Total
	MOOCs (SWAYAM/ NFTEL/ COURSERA/c	r equ										
1	12 weeks	20			-						1.0	
	8 weeks	16	40	1	0							
2	Tech Fest/ R&D Day/ Freshers Workshop/ Co	mfer	ence/h:	acka	thon	s etc.						
	Organizer	5	10		1			- 7				
	Participant	3	6	-		3	6			-		
3	Rural Reporting	5	10			a	-					
4	Harithabaram /plantation	1	5									
5	Participation in Relief camps	20	40									
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20				10					
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-	Writer	5	10	-	-			-	-	-	-	-
8	Publication in News Paper, Magazine & Blogs	10	20									
9	Research Publication (per publication)	10	20	-	-		-	-	-	-	-	-
-	Innovation Projects (other than course	10	20	-	-	-	0.0	-	-	-	-	<u> </u>
10	requirements)	20	40				າ					
11	Blood donation /NSS or NCC participation	5	10	_	_							
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13	Participation in Sports/Games											
	College level	5	10					20				
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14	Cultural Programme (Dance, Drama, Elocution, Music etc. )	5	10									
15	Member of Professional Society	5	10									
16	Student Chapter /Cubs	5	10			10						
17	Relevant Industry Visit & Report	10	20									
18	Photography activities in different Clubs (Photography club, Cine club)	5	10									
19	Participation in Yoga camp	5	10		-							1
20	Self-Entrepreneurship Program	20	20									
21	Adventure sports with Certification	10	20									
22	Training to under privileged Physically challenged	10	20									
23	Community Service & Allied Activities	10	20						1	1		1
24	Class Representative	5	10		10	5	5					1
	Total points					10	4-1		1		1	1
	Signature of the Mentor						1		1	1		1
	Signature of HoD			1	-	-	-	-	-	-	1	



# **MAKERS OF INDIA 2021**

# CERTIFICATE

This is to certify that Mr. / Ms. MUKESH of CBIT has participated in Project Expo with a project entitled "IMPLEMENTATION OF SMART PARKINGSYSTEM" on 11th December 2021 at Chaitanya Bharathi Institute of Technology (A),

Hyderabad - 500075, Telangana, India.

P. Sotih

Dr. P. Sathish Faculty Incharge, MOI 2021



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

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		NYA BHARATHI	COMMITTED TO RESEARCH. INNOVATION AND EQUICATION	
	- i iii	@	yea	rs
		SUDHEE 20 (Ignite Innate Innovations)		
		23-24 March		
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This is 1	n seconda.	MS. BOGOJU		the event
2	yEAR (ECE)	Ms. BOGOJU	MUKESH	the event
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	o certify that Mr. / ♪ YEAR (ECE) {CUIT DESIG/	Ms. BOGDJU has N in "Sudhee-2022"during2	MUKESH worked as a VOLUNTEER for	the event
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CHAITAN)	YA BHARATHI COMMITTER 19
Riskaper   Vitagel, Gardgel, Her	
S	SUDHEE 2022 (Ignite Innate Innovations)
	23 - 24 March
CERTIFI	CATE OF PARTICIPATION
This is to certify that Mr. / Ms.	Boqoju Mukesh
	has participated in "Sudhee-2022
CBIT	
	po in the event
and presented a Paper/Poster/Project-Exp	po in the event
and presented a Paper/Poster/Project-Exp	
and presented a Paper/Poster/Project-Exp during 23 - 24 March 2022 at <b>Chaitanya</b>	

NN	Sic	the second
	YA BHARATHI TECHNOLOGY (A)	COMMITTED TO RESEARCH INNOVATION AND EDUCATION VEORS
	SUDHEE 2022 (Ignite Innovations)	
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and presented a Paper/Poster/Project-Ex	tpo in the event	SHKAAR - PROJECT EXPO
		logy (A), Hyderabad - 500 075. Telangana.
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Por D. Krither Butte		Prof. P. Ravinder Reddy
Prof. D. Krishna Reddy Chairman, Sudhee-2022		Principal, CBIT(A)
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	Caso	



Chaitanya Bharathi Institute of Technology (A) (Affiliated to Osmania University)

Department of Electronics and Communication Engineering

# AAVISHKAAR PROJECT EXPO

Title		CAR PARKING
Names	8	Bogoju Mukesh Manoj Reddy Talusani Sai Teja Eraram
College Name	Ŧ	Chaitanya Bharathi Institute of Technology(A)

# Abstract

Parking is more than a necessary element of larger residential or commercial uses. It merits consideration as a distinct land use that affects travel behaviour and environment.

The primary goal of parking management is to create parking availability near business and restaurants so that customers can easily find a space. The perception of a parking shortage results when drivers have difficulty in finding an open parking space. Drivers become frustrated and waste time and fuel while searching for an empty slot. They will be in a confusion that whether the parking slots are available or not.

"Car parking" is a project designed to ensure whether the parking slots are present or not, if present then how many slots are free and how many are filled using Arduino and Infrared sensors.

This project works based on the working principle of IR sensors. In this we have used two sensors. Whenever the first vehicle enters the parking slot the first IR sensor detects the vehicle and the gate opens if the parking slots are empty with the help of a servo motor and whenever the vehicle reaches the second IR sensor it detects the vehicle and the gate closes. If the parking slots are filled completely then the LCD displays that no slots available. This is how the project works.

So, this project helps the drivers to know whether the parking slots are empty or filled and also helps them to save their time and fuel in search of knowing whether the parking slots are present empty or not.





CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (Autonomous)

Ifiliated to Osmania University ; 133" Rank in NIRF; Accredited by NBA; Accredited by NAAC - 'A' Grade (UGC) Chaitanya Bharathi (PO), Kokapet (Village), Gandipet, Hyderabad - 500075

# Certificate of Merit

# This is to Certify, Mr. / Ms. BOGOJU MUKESH S/o. / D/o. BOGOJU RAJU

bearing Roll No. 160120735094 is Awarded the "SILVER MEDAL" on the occasion of Institute Day celebrations, "SHRUTHI-2022", in recognition of His/Her "Academic Excellence" in securing the Highest CGPA in B.E. (ECE-2) in II Semester during the Academic Year 2020-2021.

**DIRECTOR - AEC & COE** 

TPA

BABABABABABABABABABABABABABABABABABA

Date : 26-03-2022

#### Table 3: List of Activity Heads and points

Sno	Name of the Activity			Points	Max. Points Allowed
1	MOOCs (SWAYAM/NPTEL/Spoken Course	Tutorial /Coursera	/ or equivalent ) per	20	40
2	Technical Fest/ Research Day/Fre		Organizer	5	10
2	Organizer Workshop/Conference/	hackathons etc.	Participant	3	6
3	Rural Reporting			5	10
4	Harithaharam /plantation			1	5
5	Participation in Relief camps			20	40
6	Participation in Debate/Group Di	scussion/Technic	al Quiz	10	20
7	Publication in News Paper, Magazines a	at institution level (M	lagazine / article/ internet)	10	20
8	Publication in News Paper, Maga	zine & Blogs		10	20
9	Research Publication (per publication	ation)		10	20
10	Innovation Projects (other than co	ourse requiremen	ts)	20	40
11	Blood donation /NSS or NCC par	rticipation		5	10
12	Blood donation/NSS camp organ	ization		10	20
		College level		5	10
		University level		10	20
13	Participation in Sports/Games	Region level		12	24
		State level		15	30
		National level		20	20
14	Cultural Program (Dance, Drama,	Elocution, Music e	etc.)	5	10
15	Member of Professional Society			5	10
16	Student Chapter /Cubs			5	10
17	Relevant Industry Visit & Report			10	20
18	Photography activities in differen	nt Clubs (Photogra	phy club, Cine club)	5	10
19	Participation in Yoga camp(certif	icate to be submi	tted)	5	10
20	Self-Entrepreneurship Program			20	20
21	Adventure sports with Certification	on		10	20
22	Training to under privileged Phys	sically challenged	1	10	20
23	Community Service & Allied Act	tivities		10	20
24	Class Representative			5	10

	number: 160120735095											
Sno												
Sno		ats	x. nts				Р	oints	Earı	ned	1	
	Activity	Points	Max. points	Ι	Π	ш	IV	V	VI	VII	VIII	Total
	MOOCs (SWAYAM/ NPTEL/ COURSERA/d	or equ	ivalent	)						•		
1	12 weeks	20	40									
	8 weeks	16	40			16						
2	Tech Fest/ R&D Day/ Freshers Workshop/ C	onfere	ence/ h	acka	thons	s etc.						
	Organizer	5	10									
	Participant	3	6				03					
3	Rural Reporting	5	10									
4	Harithaharam /plantation	1	5									
5	Participation in Relief camps	20	40									
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20									
7	Publication in News Paper, Magazines	in in	stitut	ion	leve	1 (M	agazi	ne / a	articl	e/inte	rnet)	
-	Editor	10	20			(	0				- /	
	Writer	5	10									
8	Publication in News Paper, Magazine & Blogs	10	20									
9	Research Publication (per publication)	10	20									
,	Innovation Projects (other than course		20									
10	requirements)	20	40									
11	Blood donation /NSS or NCC participation	5	10									
12	Blood donation/NSS camp organization	10	20									
13	Participation in Sports/Games						r			r		
	College level	5	10									
	University level	10	20									
	Region level	12	24									
	State level	15	30									
	National level	20	20									
14	Cultural Programme (Dance, Drama, Elocution, Music etc.)	5	10									
15	Member of Professional Society	5	10									
15	Student Chapter /Cubs	5	10									
10	Relevant Industry Visit & Report	10	20				10					
17	Photography activities in different Clubs (Photography club, Cine club)	5	10				10					
19	Participation in Yoga camp	5	10									
20	Self-Entrepreneurship Program	20	20									
20	Adventure sports with Certification	10	20									
21	Training to under privileged Physically challenged	10	20									
23	Community Service & Allied Activities	10	20									
23 24	Class Representative	5	10									
21	Total points	-										
	Signature of the Mentor											
	Signature of HoD											

## Record of Activities for Mandatory Additional Requirements

	e of the student: F.O.V.S.prabbev naray number: 160120735096	nen		-		_	Dep	artm	ent:	ece 2	<u>1</u>	
nanti	10012013030						1	'cipt	Ear	ned		
šao.	Activity	Points	Max.	1	п	m	IV	٧	VI	VII	VIII	Total
	MOOCS (SWAYAM/ NPTEL/ COURSEBA/	at one	ivaleri	9			Q	1	11	0.1		
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2	Tech Fest/ R&D Day/ Freshen Wolkshop/ O	_	the state of the s	ncki	shop	s ew.					_	
_	Organizer	5	10			1	1.	1	1	1.	1.1	
10	Participant	1.8	6				6		1.5			
3	Rural Reporting	5	10				1.11		1			
4	Harithakaram (pleatation	1.	5				_	-	-	_		-
5	Participation in Relief camps	20	40								15-1	-
6	Participation in Debate' Group Discussion'. Technical Quiz	10	20									
7	Publication in News Paper, Magazines	in ir	istitut	ion	Beve	1 (M	agazet	ine /	articl	e/inte	(ison	
-	Editor	10	20		-	-		-	1	-		-
	Writer	5	10				5					
1	Publication in News Paper, Magazine & Blocs	10	20				-			1		
.9	Research Publication (per publication)	10	-20	-	-	-	-	-	-	-	-	-
10	Innovation Projects (other than course requirements)	20	-40		-					-		
11	Blood domnios /NSS or NCC participation	5	10	-	-	-	-	-		-		-
12	Blood dotation/NSS camp organization	10	20	-	-	-	-	-	-	-	-	-
13	Participation in Sports Games		1 - 44	-	-			-	-	-		-
10.	College level	5	10	-	-	r			-	-		-
-	University level	10.	20				-	-	-	-	-	-
-	Region level	17	24		-	-	_	-	-	-	-	
-	State level	15	30		-	-		-	-	-	1	-
-	National level	20	20	-	-		-	-		-		
14	Cultural Programme (Dance, Doama, Electricos, Missic etc. )	9	10						1			
15	Member of Professional Society.	5	10		-					-	-	-
16	Student Chapter /Cubs	5	10	-	-	-	10	-	-	-		-
17	Relevant Industry Visit & Report	10	20		-					-		_
18	Photography activities in different Clubs (Photography club, Cine club)	5	10									
19	Participation in Yoga earry	5	10						1			
20	Self-Entroprencurship Program	20	20						1			
21	Adventure sports with Certification	10	20		-		1	1	12			
22	Training to under privileged Physically challenged	10	20									
23	Community Service & Allied Activities	10.	-20									
24	Class Representative	5	10						125			
	Total points				1	2	21	1	-14-	-	1	1
	Signature of the Mentor								1	1		

Suo	Name of the Activity						
1	MOOC's (SWAYAM/NPTRL/Spok Course	en Tutorial /Coursen	/ or equivalent ) per	20	40		
2	Technical Fest/ Research Day/F	reshers Welcome	Organizer	5	10		
	Organizer Workshop/Conference	e/hackathons etc.	Participant	3	6		
2	Rural Reporting			5	10		
4	Harithabaram /plantation			1	5		
.5	Participation in Relief camps			20	40		
6	Participation in Debate/Group I	Discussion/Technic	ussion/Technical Quiz				
7	Publication in News Paper, Magazine	s at institution level (M	fagasion / articla/ informe()	10	20		
8	Publication in News Paper, May			10	20		
9	Research Publication (per publi	cation)		10	20		
10	Innovation Projects (other than	course requiremen	ts)	20	40		
11	Blood donation /NSS or NCC p	articipation		5	10		
12	Blood donation/NSS camp orga	nization		10	20		
		College level		5	10		
		University level		10	20		
13	Participation in Sports Games	Region level		12	24		
		State level		15	30		
		National level		20	20		
14	Cultural Program (Dance, Drama	, Elocution, Music e	tu.)	5	10		
15	Member of Professional Society	8		5	10		
16	Student Chapter /Cubs			5	10		
17	Relevant Industry Visit & Report	t		10	20		
18	Photography activities in differe	nt Clubs (Photograp	phy club, Cine club)	5	10		
19	Participation in Yoga camp(certi			5	10		
20	Self-Entrepreneurship Program			20	20		
21	Adventure sports with Certificat	ion		10	20		
22	Training to under privileged Phy	sically challenged		10	20		
23	Community Service & Allied Ad	tivities		10	20		
24	Class Representative			5	10		

#### Table 3: List of Activity Heads and points.

(acros	Record of Activities for N			_			Depa	rtm	ent:	ECE	- 1-	
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		Points	Max. points	-				104,510				Tread
no	Activity	Poi	Mol	1	П	ш	IV	V	VI	vii	vm	Total
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x	12 weeks	20	40	-				-				
÷.,	V mashy	16	1100					-				
2	Tech Fest/ RAD Day/ Freshers Worktbop/ Co	mfore	mool ¹ h	ncks	thus	s \$16.	-	-	-	_	_	
-	Organizer	\$5	10						1000	1	-	
-	Participant	3	5		1	-	3	-	-		-	
3	Rural Reporting	-\$1.	10						-		-	
d	Harithaharam /plantation	1	- 5					-	-			
5	Participation in Relief camps	20	-40					-		-	-	-
6	Participation in Debate/ Group Discussion/	10	20									_
7	Publication in News Paper, Magazines	in it	istitut	ion	leve	: (N	lagaz	ine/	nrtic	e/inte	rnet)	
2	Editor	10	20						1		-	
_	Writer	5	10.						1			-
_	Publication in News Paper, Magazine &	10	20									
8	Blogs	10	20						-	1		-
.0	Research Publication (per publication)	10	20	-			100		-	-		
10	Innovation Projects (other than course requirements)	20	40									
11	Blood donation /NSS or NCC participation	5	10		_	_		-	-	-	-	-
12	Blood douttion/NSS camp organization	10	20				1	_	-	-	-	-
13:	Participation in Sports/Games				-	-			-	-	-	-
1.4	College level	5	10			-	-	-	-	-	-	
-	University level	10	20				-	-		-	-	-
_	Region level	12	24			-	-		-	-	-	-
-	State level	15	30			-	-		-	-	-	-
	National level	20	2.0			_	-	-	-	-	-	+
14	Calminal Programmic (Dance, Drama,	5	10	1						-	-	-
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12	Student Chapter /Cubs	\$	10			_	-		-	-	-	-
10	and the second se	10	20			1	15	-	-	-	-	-
17	Photography activities in different Clubs	3	10									
	(LugarEraha) erant come	5	10				-		-	-	-	
.19	In the second	20	20						-	-		+
20	and the second s	1.0	20	13		-	_			+	-	-
21	Training to under privileged Physically	10	19 19 19 19 19 19 19 19 19 19 19 19 19 1					1	-	-		-
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23		3	10		1		-	-			-	-
24	Total poin	ts.				1	18	-		-		-
	Signature of the Mento						-		-	-	-	-
-	Signature of Ho	D						1	-	-	_	

# ecord of Activities for Mandatory Additional Requirements

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int : रोपाइतेवट्रीनिक्स Gram: DEFELECTRONICS प्रेन्सा/Fax: 040-24440525/24142976 दूरश्ली/Phone: 040-24440063 Mobile: 9490754161 email: cangaswamy.bis.dtri@igov.in



Ø

संग्रमानक तालगुनेक्टर 120000/2200759-2022 भारत संरचार - रक्षा मंत्रात्स्य द्वाल वालाक, काल्कारन विश्वलिय रक्षा अनुसंधान एवं विकास संगठन विद्यार्थिय होनेक्स अनुसंधान प्रयोग शाला विद्यार्थी द्वार्थियहीनिक्स अनुसंधान प्रयोग शाला विद्यार्थी पुष्ट्रा लाईन्स्र (Chandrayinguna Units हेंदराबाद / Hydrianaba 560.805 (तेलंगाना राज्य) भारत

Date: 21* March 2922

To

Dr. P. Ravinder Reddy, Principal Chaitanya Bharathi Institute of Technology(CBIT) Gandipet, Hyderabad-500075, T.S

#### Sub: Invitation to DLRL's Diamond Jubilee Exhibition

Sir.

Warm greetings from Defence Electronics & Research Laboratory(DLRL). Hyderabad, DLRL, a premier lab of Defence Research & Development Organization (DRDO), working in design and development of state-of-theart Electronic Warfare(EW) Systems.

- DLRL completed 60 years and celebrated its Diamond Jubilee Function on 19th March 2022. On this occasion, Chairman DRDO inaugurated DLRL product exhibition. The exhibition has DLRL photo section showing significant moments since inception. The product section has models of DLRL systems and technology modules.
- It gives us immense pleasure to extend an invitation to your students to enable them to have an exposure & overview of the EW technologies and systems.

Schedule, timings and details are given below. Date: 21# - 23rd March 2022 Timings: (a) 10:30 hrs. to 12:30 hrs. (b) 14:30 hrs. to 16:30 hrs.

- You may please provide the list of students nominated for the visit along with details of person Liaising from the College. You may please contact the undersigned for further details.
- 5. Expecting to hear from you at the earliest to facilitate smooth visit at DLRL.

1

With Warm Regards.

BN Rangaswamy, Sc F Head, P&C For Director DLRL

Sno	erept.	Section	Roll No.	Name of the student	Sno	Dept.	Section	Roll No.	Name of the student
+	ECE	VI-ECE-T	160119735004	Esha Vayshinavi	32	ECE	ECE-02	160120735087	Gundeboina
2	ECE	I-SEM/ECE		and a strategy as a second s	33	ECE	ECE-02	160120735088	
3	ECE	I-SEM-ECE			34	ECE.	ECE-02	160120735090	
5	EC.E.	-SEM-ECE		Mounika Pasham	35	DCT.	ECE-02	160130735095	Emmadi Nithinkumar
6	ECE	VI-ECE-8		Amritha Bhargavi	36	DCE.	ECE-02	160120735096	Probley Atomic Problem
7	ECE	VI-ECE-9		Junyi Reddy	37	ECE	ECE-02	160120735097	K promay rai
8	ECE	VI-ECE-3		Ching Agarwal	38	ECE:	ECE-02	160120735101	Sridatta (AC-V
9	ECE	VI-ECE-17		Gianasaty arth	39	ECE	ECE-02	and the second state of th	Julakauti sai ganesh
10	ECE	VI-ECE-3	160119735145	Harikrishna Nalumasa	40	ECE	ECE-02	160120735109	KODAM
iil	ECE	VI-ECE-12		Padige Kalyan Kumar	41	ECE	ECE-02	160120735110	
12	ECE.	VI-ECE-13		S. Lalith Adithyan	- 42	ECE.	the second second second second	160120735309	U Albila
13	FCF	VI-ECE-6	160119735158	P.Nitin	.43	ECE	and the second se		Rodda,Harshitha
14	ECE	VI-ECE-4	160119735163	Ribhu Bhatta Charya	Line .		and the second second	16012-726	Trodida, Harstatha
15	ECE	VI-ECE-31	160119735164	Rishik Routhu	P		1.815.08.11	10.0011-01436	345
6	ECE	VI-ECE-7		Sai Aditya Tirukkolluru	(				
7	ECE	VI-ECE-15	160119735167	MVS Bharadwai					
8	ECE	VI-ECE-18		K Sai Kumar Reddy					
9	ECE I	VI-ECE-16	160119735173	Saketh Raghay	(				
	ECE	VI-ECE-10	160119735177	Md Tousif Ahmed		/	1		
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-	ECE	ECE-02	160120735065	Manasvi Thota		4.4	ARC DI	rolf ECE	dept-
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# **CERTIFICATE** OF ACHIEVEMENT

Participation certificate

This is presented to

Kodepaka Pranay Raj

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh (Total Duration : 1 hour)



Signature

#### Table 3: List of Activity Heads and points

Sno	Name of the Activity			Points	Max. Points Allowed
1	MOOCs (SWAYAM/NPTEL/Spoken Course	Tutorial /Coursera	/ or equivalent ) per	20	40
2	Technical Fest/ Research Day/Fre		Organizer	5	10
2	Organizer Workshop/Conference/	hackathons etc.	Participant	3	6
3	Rural Reporting			5	10
4	Harithaharam /plantation			1	5
5	Participation in Relief camps			20	40
6	Participation in Debate/Group Di	scussion/Technic	10	20	
7	Publication in News Paper, Magazines a	at institution level (M	10	20	
8	Publication in News Paper, Maga	zine & Blogs	10	20	
9	Research Publication (per publication	ation)		10	20
10	Innovation Projects (other than co	ourse requiremen	ts)	20	40
11	Blood donation /NSS or NCC par	rticipation	5	10	
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		University level		10	20
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18	Photography activities in differen	nt Clubs (Photogra	phy club, Cine club)	5	10
19	Participation in Yoga camp(certif	icate to be submi	tted)	5	10
20	Self-Entrepreneurship Program			20	20
21	Adventure sports with Certification	on		10	20
22	Training to under privileged Phys	sically challenged	1	10	20
23	Community Service & Allied Act	tivities		10	20
24	Class Representative			5	10

Nam	e of the student: R.SHRAYAN	Department: ECE										
Roll	number: 160120735098											
		nts	ć. its				F	oints	Earı	ned		
Sno	Activity	Points	Max. points	Ι	Π	ш	IV	V	VI	VII	VIII	Total
	MOOCs (SWAYAM/ NPTEL/ COURSERA/	or equ	ivalent	:)								
1	12 weeks	20	40									
	8 weeks	16	40			16						
2	Tech Fest/ R&D Day/ Freshers Workshop/ C	onfere	ence/ h	acka	thon	s etc.						
	Organizer	5	10									
	Participant	3	6			06						
3	Rural Reporting	5	10									
4	Harithaharam /plantation	1	5									
5	Participation in Relief camps	20	40									
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20									
7	Publication in News Paper, Magazines	in in	stitut	ion	leve	1 (M	agazi	ine / a	articl	e/inte	rnet)	
	Editor	10	20		-						,	
	Writer	5	10									
	Publication in News Paper, Magazine &											
8	Blogs	10	20									
9	Research Publication (per publication)	10	20									
10	Innovation Projects (other than course	20	40			20						
10	requirements)		-0			20						
11	Blood donation /NSS or NCC participation	5	10									
12	Blood donation/NSS camp organization	10	20									
13	Participation in Sports/Games											
	College level	5	10									
	University level	10	20									
	Region level	12	24									
	State level	15	30									
	National level	20	20									
14	Cultural Programme (Dance, Drama,	5	10			5						
	Elocution, Music etc. )	-				5						
15	Member of Professional Society	5	10									
16	Student Chapter /Cubs	5	10			5						
17	Relevant Industry Visit & Report	10	20									
18	Photography activities in different Clubs (Photography club, Cine club)	5	10									
19	Participation in Yoga camp	5	10									
20	Self-Entrepreneurship Program	20	20									
21	Adventure sports with Certification	10	20									
22	Training to under privileged Physically challenged	10	20									
23	Community Service & Allied Activities	10	20	ĺ								
24	Class Representative	5	10									
	Total points					52						
	Signature of the Mentor											
	Signature of HoD											

## Record of Activities for Mandatory Additional Requirements

# MOOCS(8 WEEKS)=16points



## ONLINE WEBINARS(PARTICIPANT)=2x3=6points

# TA I WAN

# CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS AWARDED TO

#### Shrayan

for participating in the webinar on 'Social Network Analysis -Big Data Analysis' organized by EduCare Taiwan with National Yang Ming Chiao Tung University & National Tsing Hua University.

Huitin Chen

Ms. Huilin Chen CEO & Founder 27 February, 2022

Date



Participation certificate This is presented to

Shrayan Rama

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh ( Total Duration : 1 hour )



Paston

Signature

# **INNOVATION PROJECT=20points**



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERINGBE III SEMESTER (ECE-2)

TITLE: Arduino Based Hand Gesture Control of Computer

NAMES OF THE STUDENTS: R.Shrayan -160120735098 M.Rithvik -160120735092 K.Y.Nisheeth -160120735119

#### ABSTRACT

Gesture based interaction systems are becoming very popular both at workplace and home. This work intends to develop a system which can recognize hand gestures which can be used as an input command to interact with the PC or laptop. One of the key areas which need to be looked at while developing such systems is the code implementation stage. In order to manage the work we shall be using Python for the implementation of the code.

In order to control pc using ultra sonic sensors, this technique is called Leap motion which enables us to control certain functions on our computer/Laptop by simply waving our hand in front of it. <u>Gesture 1:</u> Place the hand in front of the Right Ultrasonic Sensor at a distance (between 15CM to 35CM) for a small duration and move our hand away from the sensor. This gesture will Scroll Down the Web Page.

Gesture 2: Place the hand in front of the Right Ultrasonic Sensor at a distance (between 15CM to 35CM) for a small duration and move our hand towards the sensor. This gesture will Scroll up the Web Page. Gesture 3: Swipe the hand in front of the Right Ultrasonic Sensor. This gesture will move to the Next Tab. Gesture 4: Swipe the hand in front of the Left Ultrasonic Sensor. This gesture will move to the Previous Tab or Play/Pause the Video.

Gesture 5: Swipe the hand across both the sensors (Left Sensor first). This action will switch between Tasks. Based on the above mentioned gesture, the following Arduino Program has been written.

Gesture recognition is useful in processing information from human beings that is not conveyed through speech or other methods. This technology is useful in following areas:

- a. Immersive gaming technology
- b. Control through facial gestures
- c. Alternative computer interfaces
- d. Remote control
- e. Home Appliances control

P.SATISH (ECE DEPT) 8-Sam CLUB COORDINATOR

# CULTURAL PROGRAMME(DANCE)=5points



# STUDENT CLUBS(CHAITANYA MEDHA)=5points



synergeersclub Chaitanya Bharathi Institute of Technology

# **DIGITAL PRESENCE TEAM**



Arun Aduvala (EEE)



Shrayan (ECE)



Sno	Name of the Activity			Points	Max. Points Allowed
1	MOOCs (SWAYAM/NPTEL/Spoken Tu Course	utorial /Coursera	/ or equivalent ) per	20	40
2	Technical Fest/ Research Day/Fresh		Organizer	5	10
2	Organizer Workshop/Conference/had	ckathons etc.	Participant	3	6
3	Rural Reporting			5	10
4	Harithaharam /plantation		1	5	
5	Participation in Relief camps		20	40	
6	Participation in Debate/Group Discu	ssion/Technic	10	20	
7	Publication in News Paper, Magazines at ins	titution level (Ma	10	20	
8	Publication in News Paper, Magazin	e & Blogs	10	20	
9	Research Publication (per publicatio	on)		10	20
10	Innovation Projects (other than cour	se requiremen	ts)	20	40
11	Blood donation /NSS or NCC partic	ipation	5	10	
12	Blood donation/NSS camp organiza	tion	10	20	
	Со	ollege level		5	10
	Un	niversity level		10	20
13	Participation in Sports/Games Re	gion level		12	24
	Sta	ate level		15	30
	Na	tional level		20	20
14	Cultural Program (Dance, Drama, Elo	cution, Music e	tc.)	5	10
15	Member of Professional Society			5	10
16	Student Chapter /Cubs			5	10
17	Relevant Industry Visit & Report			10	20
18	Photography activities in different C	lubs (Photogra	phy club, Cine club)	5	10
19	Participation in Yoga camp(certifica	te to be submi	tted)	5	10
20	Self-Entrepreneurship Program			20	20
21	Adventure sports with Certification			10	20
22	Training to under privileged Physica	sically challenged		10	20
23	Community Service & Allied Activi	ties		10	20
24	Class Representative			5	10

Nam	Name of the student:							Department:						
Roll	number:													
		ts	ts.				I	Points	Earı	ned				
Sno	Activity	Points	Max. points	Ι	Π	III	IV	V	VI	VII	VIII	Total		
	MOOCs (SWAYAM/ NPTEL/ COURSERA/	or equi	ivalent)											
1	12 weeks	20	40											
	8 weeks	16	-10											
2	2 Tech Fest/ R&D Day/ Freshers Workshop/ Conference/ hackathons etc.													
	Organizer	5	10				5							
	Participant	3	6											
3	Rural Reporting	5	10											
4	Harithaharam /plantation	1	5											
5	Participation in Relief camps	20	40											
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20				20							
7	Publication in News Paper, Magazines	s in in	stitut	ion	leve	el (M	agaz	ine /	articl	e/inte	rnet)			
	Editor	10	20				-							
	Writer	5	10											
8	Publication in News Paper, Magazine & Blogs	10	20											
9	Research Publication (per publication)	10	20											
10	Innovation Projects (other than course requirements)	20	40											
11	Blood donation /NSS or NCC participation	5	10											
12	Blood donation/NSS camp organization	10	20											
13	Participation in Sports/Games									1				
	College level	5	10											
	University level	10	20											
	Region level	12	24											
	State level	15	30											
	National level	20	20											
14	Cultural Programme (Dance, Drama, Elocution, Music etc. )	5	10											
15	Member of Professional Society	5	10											
16	Student Chapter /Cubs	5	10											
17	Relevant Industry Visit & Report	10	20											
18	Photography activities in different Clubs (Photography club, Cine club)	5	10											
19	Participation in Yoga camp	5	10											
20	Self-Entrepreneurship Program	20	20											
21	Adventure sports with Certification	10	20							1				
22	Training to under privileged Physically challenged	10	20											
23	Community Service & Allied Activities	10	20											
24	Class Representative	5	10											
	Total points													
	Signature of the Mentor													
	Signature of HoD													

## Record of Activities for Mandatory Additional Requirements

Sno	Name of the Activity			Points	Max. Points Allowed
l	MOOCs (SWAYAM/NPTEL/Spoken Course	Tutorial /Coursera	/ or equivalent ) per	20	40
2	Technical Fest/ Research Day/Fres	shers Welcome	Organizer	5	10
	Organizer Workshop/Conference/h	ackathons etc.	Participant	3	6
3	Rural Reporting			5	10
4	Harithaharam /plantation			1	5
5	Participation in Relief camps			20	40
6	Participation in Debate/Group Dis	cussion/Technic	al Quiz	10	20
7	Publication in News Paper, Magazines at	institution level (N	fagazine / article/ internet)	10	20
8	Publication in News Paper, Magaz	tine & Blogs		10	20
9	Research Publication (per publicat	tion)		10	20
10	Innovation Projects (other than con	urse requiremen	its)	20	40
11	Blood donation /NSS or NCC part	ticipation		5	10
12	Blood donation/NSS camp organiz	10	20		
		College level			10
	1	University level		10	20
13	Participation in Sports/Games	Region level		12	24
	1	State level		15	30
	1	National level		20	20
14	Cultural Program (Dance, Drama, H	Elocution, Music	etc.)	5	10
15	Member of Professional Society			5	10
16	Student Chapter /Cubs			5	10
17	Relevant Industry Visit & Report			10	20
18	Photography activities in different	Clubs (Photogr	aphy club, Cine club)	5	10
19	Participation in Yoga camp(certifi	cate to be subm	itted)	5	10
20	Self-Entrepreneurship Program			20	20
21	Adventure sports with Certification	n		10	20
22	Training to under privileged Phys	ically challenge	d	10	20
23	Community Service & Allied Acti	ivities		10	20
24	Class Representative			5	10

## Table 3: List of Activity Heads and points

# Record of Activities for Mandatory Additional Requirements

	e of the student: N.Rithvik Red number: 160120735100	чy					Dep	artm	ent:	EC	_	
100	100120735100		-	<u> </u>	_		Points Earned					
	4	Points	Max. points				1.1.1.1.1.1.1	1000	1	1		-
Sno	Activity	_			п	ш	IV	v	VI	VII	VIII	lota
	MOOCs (SWAYAM/ NPTEL/ COURSERA/o		ivalent	)			_	_				
1	12 weeks	20	40				20					
	8 weeks	16										
2	Tech Fest/ R&D Day/ Freshers Workshop/ Co	onfer	ence/ h	acka	thon	s etc.						
	Organizer	5	10									
	Participant	3	6									
3	Rural Reporting	5	10									
4	Harithaharam /plantation	1	5									
5	Participation in Relief camps	20	40					_				
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20									
7	Publication in News Paper, Magazines	in ir	stitut	ion	leve	I (M	agaz	ine /	articl	e/inte	met)	
1	Editor	10	20				0					-
-	Writer	5	10	-			-	-	-	-		-
8	Publication in News Paper, Magazine & Blogs	10	20									
9	Research Publication (per publication)	10	20	-	-		-	-	-			
10	Innovation Projects (other than course requirements)	20	40									
11	Blood donation /NSS or NCC participation	5	10	-	-				-			
12	Blood donation/NSS camp organization	10	20	-	-		_	-	-		-	
13	Participation in Sports/Games			-		-			-			
-	College level	5	10	i i	<u> </u>			-				
-	University level	10	20	-	-		-	-	-	-		
-	Region level	12	24	-	-		-					
	State level	15	30	-	-				-	-		
-	National level	20	20	-	-			-	-	-		
14	Cultural Programme (Dance, Drama, Elocution, Music etc. )	5	10									
15	Member of Professional Society	5	10	-	-		_		<u> </u>		-	
16	Student Chapter /Cubs	5	10	-	-		_		-			
17	Relevant Industry Visit & Report	10	20	-	-		_			-		
18	Photography activities in different Clubs (Photography club, Cine club)	5	10									
19	Participation in Yoga camp	5	10	-	-		-	-	-			
20	Self-Entrepreneurship Program	20	20									-
21	Adventure sports with Certification	10	20				-			-	-	
22	Training to under privileged Physically challenged	10	20									
23	Community Service & Allied Activities	10	20									
24	Class Representative	5	10									
	Total points	6		-								
	Signature of the Mentor		-		-		_					
	Signature of HoD	_					_					

This certificate is computer generated and can be verified by scanning the QR code given below.

#### Roll No: NPTEL22C531513532685

To RITHVIK REDDY VILLA NO 313 ASHOKA ALA MAISON DULAPALEE 500014 HYDERABAD TELANGANA - 500014 PH. NO :9010293300

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

#### No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



#### RITHVIK REDDY

for successfully completing the course

#### The Joy of Computing using Python

with a consolidated score of 72

% Proctored Exam Online Assignments 24.56/25 Programming Exam 25/25 22.5/50

Total number of candidates certified in this course: 7438

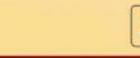
alihal Deventra

Prof. Devendra Jalihal Chairman Centre for Continuing Education, IITM

Indian Institute of Technology Madras

Jan-Apr 2022 (12 week course) Prof. Andrew Thangaraj

NPTEL, Coordinator IT Madras





Roll No:NPTEL22CS31S13532685

To validate and check scores: https://nptel.ac.in/noc

# Record of Activities for Mandatory Additional Requirements

Ro	In number: 16012093510				-						€-11	
	100000	1 #	1. 1				I	oint	s Ear	ned		
Sm	Activity	Points	Max.	1	п	ш	IV	v	VI	VII	VIII	Total
	MOOCS (SWAYAM/ NPTEL/ COURSERA/	or equ	ivalent	)	1		1	1			10.34	1.034
1	12 weeks	20	40					1				2.2
	8 weeks	16										
2	Tech Fest/ R&D Day/ Freshers Workshop/ (	Confer	ence/ h	acka	thon	s eic.						1
	Organizer	5	10									
	Participant	3	6		-	1	36					1
3	Rural Reporting	5	10								_	100
4	Harithaharam /plantation	1	5							1. 2		
5	Participation in Relief camps	20	40						1.1			1-1-1-
6	Participation in Debate/ Group Discussion/ Technical Quiz	10	20									
7	Publication in News Paper, Magazines	in în	stituti	en	leve	I (M	agazi	ne/	article	/inter	net)	
	Editor	10	20	- 1						1		1.1
-	Writer	5	10	_	-				-	-		114
8	Publication in News Paper, Magazine & Blogs	10	20									1.40
9	Research Publication (per publication)	10	20	-	-	-	-	-	-		-	
	Innovation Projects (other than course			-	-	-	-	-	-	-	-	-
10	requirements)	20	40	-	_		_				_	_
11	Blood donation /NSS or NCC participation	5	10	_	_	-	5	_		-		1
12	Blood donation/NSS camp organization	10	20			1	_	1				-
13	Participation in Sports/Games											
	College level	5	10			-	•.				_	
-	University level	10	20	_	_	-	-		_	-		
_	Region level	12	24	-		-	-					-
	State level	15	30	-	_	-						
	National level	20	20	_	_	-	-	_	-			1
14	Cultural Programme (Dance, Drama, Elocution, Music etc. )	8	10				here					i.
5	Member of Professional Society	8.	10				000					
11	Student Chapter Cubs	5	10						2			
7	Relevant Industry Visit & Report	16	20			_						
8	Photography activities in different Clubs (Photography elub, Cine club)	40	:0						4			
0	Participation in Yoga camp	3	10	1					1			
	Self-Entrepreneurship Program	20	20			1		1				
	Adventure sports with c'ertification	1 in	20					1	-			
	froming to under preakyed Phyrically chatheneed	te.	20	1	1			1				
	Community Service & Allici Activities	10.1	20		Ť	1		-	1			7
	lass Pepcesentative	21	10.1	Ť				-1			100	
	le tal prints		-	-1		-	21			+		
	Signature of the Mentor			R				1	-			100
	Signature of the Mentor Signature of Hulb	- 4	-	-	1.3	-+						

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Nam'	e of the student. N.Sin charan						Dep		201	ECE		
8.0	member: 160120735102	1.1		1.			1	122				
		1	28	L	1.1.1	100	1	<b>Niet</b>	Eat	ení :	11.77	100
See	Activity	2	11 Mar	1	11	10	IV.	N.	VI	311	VIII	Tetal
	MORE OWNERS OF THE CORRELATE	w legit	evident	Ť.	-	-			-	-		
£	12 works	20	1	1		-	1	1	1		1	
	J serzio	16	48									
1	Inch Fest/ LED Duc! Freshets Workshop C	order	(BOO/ TO	e ki	finite	0.675		-		-		
	Ogenimi	1.0	16							_		
	Periopert	1	8									
1	Ford Reporting	1	1.18		-	-		-		-		
4	Elerthologram (plantation)	1	. 8									
	Participation in Relief cargo	20.	48									
6	Participation in Debaid Group Disconney Inchesoal Gaze	10	28									
Ŧ	Publication in News Paper, Magazines	10.10	and the second	600	lete	1434	-	ne l	articl	oute	(furt	
÷	Liker	10	15	-	-				1			
-	B/vituri	1	10	-	-	-	-	-	-	-	-	
	Publication 11 Nova Paper, Magazine &	-	1.0	-		-		-		-	-	
	Pings	10	-38									
9	Research Publication (pre-publication)	10	-38									
80	Interation Property either than council requirements)	20	40				20					
11	Blood donation /NSS or WCC participation	2	11									
12	Electridemeters NOX samp regardination	111	.28							-		
1.8	Furtherporture on Sports/Conner-			-	-	-	-	-		-	-	
	Tidhye land.		1.11			í I				Ĩ.		
	Deivorare level	10	18		_							
	Tagton level	12	14		-			-				
-	State knot	15	16									
	National Icent	20	28									
18	Calueral Pergressene (Dover, Drama, Escantar), Manucido ()	4	-18									
15	Member of Professional Society	1	1.16	-	-	-		-		-		
14	Statist Chapter (Cabi	1	18		-			-				
17	Referent Industry Viol & Report	10	11		-				-	-		
18	Pointparty activities in different Calls d'honographe chalt, Case chalti		-10									
29	Participal lan in Toga camp		1.18					-	-			
30	5d F-Entroperativity Program	20	28									
11	Advertises sports with Conditionary	10.	24									
==	Training to under privileged Physically utgettinged	10	31									
11	Commonty Service & Athed Activities	10	34		-							
31	Class Reponsetative	1	11									
-	Tatal patent	-	-									
-	Signature of the Mexico											
	Squarer of Rab							-			-	-

#### Table & Lot of Actors Hooks and points

Sae	Name of the Activity			Points	Max. Point Allowed		
1	MCCH's (1933/AMMP/FL/spike Course	n Totorial Courses	i = manapar 3 bot	20	40		
$\tilde{\mathbf{z}}$	Technical Fest/Research Day/F		Organizer	15	10		
<u> </u>	Organiser Workshop/Conference	inference/backatives str. Participan		.)	- E		
3.	Rund Reporting				10		
4	Hanthaharan (plantation			1.	23		
5	Participation in Belief cartps			21)	-40		
ή.	Participation in Debate/Cirrup I	Scassin/Techni	sal Quite.	10	- 20		
7	Polylounint in Servi Paper, Magazini	a an including tion freme i a fr	10	30			
н.	Publication in News Paper, May	ant (per publication) is rother than course sequerements) SIS or NCC participation					
9	Research Publication (per public	cation)	- 10	29			
10	Intervation Projects (other than	other than course requirements) or NCC participation					
11	Blood doeation /NSS or NCC p	erticipation	- 8	10			
12	Blood doeatton/NSS camp arga	od doration/NSS camp arganization College level					
			. 2 .	19.			
		University level		10	20		
13	Participation in Sports Games	Region Irvel	12	- 24			
		State level		18	30		
		Nationallevel		20	20		
14	Cultural Program (Datas, Datas	Elocation: Music	etz.)	. 5	10		
15	Monbor of Professional Society			. 1	10		
36	Stulent Chapter (Cuby			- 5	10		
17	Relevant Industry Visit & Repo	n		10	20		
18	Piotography activities in differe	ati Clabs (Pistuga	ply this, Cise this)	. 3	1.0		
19	Porticipation in Viego completent	ilicate in be sufmi	060	. 5	10		
20	Self-Entreproneurship Program	States and the		- 20	20		
11	Adventure sports with Certificat	toe	10	20			
12	Training to under privileged Physical P	yeally chillenges	- 16	29			
73	Community Service & Allind A	divities.	10	.20			
24	Class Representative				10		

Sno	Name of the Activity			Points	Max. Point Allowed		
1	MOOCs (SWAYAM/NPTEL/Spoke Course	n Tutorial /Coursera	/ or equivalent ) per	20	40		
2	Technical Fest/ Research Day/F	reshers Welcome	Organizer	5	10		
4	Organizer Workshop/Conference	e/hackathons etc.	Participant	3	6		
3	Rural Reporting			5	10		
4	Harithaharam /plantation			1	5		
5	Participation in Relief camps			20	40		
6	Participation in Debate/Group E	iscussion/Technic	al Quiz	10	20		
7	Publication in News Paper, Magazines	at institution level (N	10	20			
8	Publication in News Paper, Mag	azine & Blogs	10	20			
9	Research Publication (per public	cation)	10	20			
10	Innovation Projects (other than	course requiremen	20	40			
11	Blood donation /NSS or NCC pa	NSS or NCC participation					
12	Blood donation/NSS camp orga	donation/NSS camp organization					
			5	10			
		University level		10	20		
13	Participation in Sports/Games	Region level		12	24		
	1922 19	State level		15	30		
		National level		20	20		
14	Cultural Program (Dance, Drama	, Elocution, Music	etc.)	5	10		
15	Member of Professional Society	6		5	10		
16	Student Chapter /Cubs	60		5	10		
17	Relevant Industry Visit & Report	rt	1	10	20		
18	Photography activities in different	ent Clubs (Photogra	aphy club, Cine club)	5	10		
19	Participation in Yoga camp(cert	ficate to be submi	itted)	5	10		
20	Self-Entrepreneurship Program			20	20		
21	Adventure sports with Certificat						
22	Training to under privileged Phy	10	20				
23	Community Service & Allied A		10	20			
24	Class Representative						

# Record of Activities for Mandatory Additional Requirements

Vam	e of the student:				-	-	Depa	rtm	ent:	-	_	
	number:	-	-	-			-1-					-
CON		4		-	=		-   P	oint	s Ear			-
Sno	Activity	Points	Max. points		п	ш	IV	v	VI	VII	νш	Total
	MOOCs(SWAYAM/ NPTEL/ COURSERA/o	r equ	ivalent	),		_	-	_			-	
1	12 weeks	20	40	i bart	-			-		-		
23	8 weeks	16		-	-	-	-		-	-		1.1
2	Tech Fest/ R&D Day/ Freshers Workshop/ Co	mfere	nce/ h	äcka	thon	s.efc.	- 10	-				- 1
E	Organizer = = = = = = =	5_	10	-	-	5		-			-	- 1
-	Participant	3	6	-	=	-	-			-		-
3	Rural Reporting	5_	10			-	-				- 1	-
4	Harithabaram /plantation	T	-5					-		-		-
5	Participation in Relief camps	20	40		1 1	-		_				
6	Participation in Debate/ Group Discussion/	10	20					-		_	-	
7	Publication in News Paper, Magazines	in ir	stitut	ion	leve	I (M	agazi	ne/	articl	e/intc	met)	1
1		10	20	-	-		-	-				
-	Editor	5	10	-	-	-		-		-		
-	Writer Publication in News Paper, Magazine &	F	-	-	-	-	-	-		-		
8	Blogs	10	20	-	_		-	-			- 1	_
9	Research Publication (per publication)	10	20	_	_	-	-	-	-	-	- 2	
10	Innovation Projects (other than course requirements)	20	40					_	-	_		
11	Blood donation /NSS or NCC participation	5	-10	-		-	-	-		-	- 1	-
12	Blood donation/NSS camp organization	10	20		-		-	17		-	1	
13	Participation in Sports/Games		-	-				-			-	-
-	College level	5	10	-		1000		-	-	+ -	-	-
-	University level	10	20								-	
-	Region level	T2	24	-		-			-		-	
12	State level	15	30		-	-	-			-		_
-	National level	20	20	-	-	-	-		1 =	-		
14	Cultural Programme (Dance, Drama, Elocution, Music etc)	5	10						_	_		
-15	Member of Professional Society	5	_10		-	-	-	-		-	- +	
16	Student Chapter /Cubs	5	10	-		5	5	-		=	-	
17	Relevant Industry Visit & Report	10	-20	-	-				-	-		
18	Photography activities in different Clubs (Photography club, Cine club)	5	10		-			-	-			
19	Participation in Yoga camp	5	10		-		-	_		-	- 3	
20	Self-Entrepreneurship Program	-20	20			-	-	-		-	- +	
21	Adventure sports with Certification	10	-20	-	-	1		-			-	
22	Training to under privileged Physically challenged	10	20	F	-			_				
73	Community Service & Allied Activities	10	20		-	-	-	_		_		
24		5	-10	-	-			-				
-	Total points	-	-	-	-	+ -			-			
-	Signature of the Mentor		-									
1	Signature of HoD	_	1	1	1							1

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

### Record of Activities for Mandatory Additional Requirements

Name of the student: Roll number:						Department:						
	2	1.00			2	_	-	Point	s Ear	ned		_
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Member of Professional Society	5	10										
Student Chapter /Cubs	5	-10										
Relevant Industry Visit & Report	10	20				-						
Photography activities in different Clubs (Photography club, Cine club)	5	30										
Participation in Yoga camp	5	30					-					
Self-Entrepreneurship Program	20	20			-							
Adventure sports with Certification	10	20										
Training to under privileged Physically challenged	10	20										
Community Service & Allied Activities	10	20										
Class Representative	5	10										
Total points												
Signature of the Mentor			T									
	Activity MOOCs (SWAYAM NPTEL/COURSERAN 12 weeks 8 weeks 7 tech Fest R&D Day/ Freshen Workshop/ G Organizer Participan Rural Reporting Harithaharam 'plantation Participation in Relief camps Participation in Debate/ Groop Discussion/ Technical Quiz Publication in News Paper, Magazines Editor Writer Publication in News Paper, Magazines Editor Writer Publication in News Paper, Magazines Editor Writer Publication Projects (other thin course requirements) Bised donation/NSS or NCC participation Bised donation/NSS or NCC partic	Activity     gg       MOOC's (SWAYAM' NPTEL/ COURSERA/or equ       12 weeks     20       8 weeks     16       Tech Fest/ R&D Day/ Freshens Workshop/ Confers     Organizer       Organizer     5       Participant     3       Rural Reporting     5       Harithaharam iplantations     1       Participantion in Relief camps     20       Participation in Relief camps     10       Participation in News Paper, Magazines     10       Publication in News Paper, Magazines     10       Publication in News Paper, Magazines     10       Roise     10       Writer     5       Publication in News Paper, Magazines     10       Innovation Projects (other than course requirements)     20       Blogd domation/NSS or NCC participation     10       Innovation Projects (other than course requirements)     20       Blood domation/NSS or NCC participation     10       Participation in Sports/Games     20       Collear level     10       Region level     12       State level     10       Region level     12       State level     5       National level     5       State level     5       Member of Professional Society     5 <t< td=""><td>ActivityImage: state of the stat</td><td>Activityjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjjj<!--</td--><td>Activity         g         g         g         g         g         g         g   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This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

Roll No: NPTEL21C562513633032

To SAI KUMAR DASARI 2-19-78/46 UPPAL HYDERABAD TELANGANA - 500036 PH. NO :8106109051



96

Score	Type of Certificate
>≈90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



This certificate is awarded to

#### SAI KUMAR DASARI

for successfully completing the course

### **Cloud Computing**

with a consolidated score of 52

Online Assignments 22.38/25 Proctored Exam 30/75

Total number of candidates certified in this course: 3189



Roll No:NPTEL21CS62S13633032

To validate and check scores: https://notel.ac.in/no



### UCI University of California, Irvine

Feb 2, 2022

### Sai Raja Ganesh Sharma

has successfully completed

Introduction to the Internet of Things and Embedded Systems

an online non-credit course authorized by University of California, Irvine and offered through Coursera

La Harrin

Ian Harris Professor Department of Computer Science

### COURSE CERTIFICATE



#### Verify at: <u>coursera.org/verify/27GMAJRMCR3S</u>

Coursera has confirmed the identity of this individual and their participation in the course.



# **Certificate of Internship**

This is to certify that

# Sai Raja Ganesh

from

# Chaitanya Bharathi Institute of Technology

has successfully completed a 4-week Swecha Internship Program during October 9th, 2021 to November 6th, 2021 on Web Development and Data Sciences with Swecha.

EXECUTIVE COMMITTEE MEMBER SWECHA

Sy. No. 91, Beside Centre for Good Governance, Greenlands colony, Svm, Jawaharlal, Nehru Outer Ring Rd, Madhava Reddy Colony, Gachibowli, Telangana 500032



CHAITAN	A BHARATHI	
	TECHNOLOGY (A)	INNOVATION AND ASSAULT
	MAS & DINE SHIT	years
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	28 - 24 March	
	CATE OF PARTICIPS	
This is to certify that Mr. / Ms.		
C8.17		
and presented a Paper/Poster/Project-Exp		
during 23 - 24 March 2022 at Chaitanya	Bharathi Institute of Technology	(A), Hyderabad - 500 075, Telangan
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Prof. D. Krishna Reddy Chairman, Sudhee-2022		Prof. P. Ravinder Reddy Principal, CBIT(A)
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-		has worked	
C.	of Technology (A), Hyderabad - 50		larch 2022 at ChaitanyaBharathi Institute
E.	Prof. D. Krishna Reddy Chairman, Sudhee-2022		Prof. P. Ravinder Reddy Principal, CBIT(A)
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Roll No:NPTEL21HS57S33634687

To validate and check scores: https://nptel.ac.in/noc







CERTIFICATE



OF PARTICIPATION

This certificate is proudly presented to:

V.S.Sai Vishnu

for participating in Voice of Hyderabad Season 5 organized by

Street Cause CBIT and Chaitanya Geethi in 2021, in

category

Banjadilshop President

Street Cause CBIT

Senior

President Chaitanya Geethi













Print Partner Social Media Partner Food Partner Digital Media Patner





Recognized Research Centers

3



CERTIFICATE OF PARTICIPATION

V. Sai Vishnu This is to certify that Mr/Ms **CBIT 2nd YEAR** ot Shruti Idol has participated in the event organized by Chaitnaya Geethi club of CBIT(A), Hyderabad.

Dr.G.Laxmaiah

Chairman Cultural Committee Shruthi 2022







All India 133rd Rank in NATIONAL INSTITUTIONAL BANKING

ISO Certified 9001:2015

SHRUTHI - 2022 Amaranthine

Dr. K. Jagannadha Rao Chairman Shruthi - 2022

P.A. -- n Dos

Dr. P. Ravinder Reddy Principal Advisor, Shruthi 2022











This is to certify that Mr/Ms

Dr.G.Laxmaiah

Chairman Cultural Committee Shruthi 2022







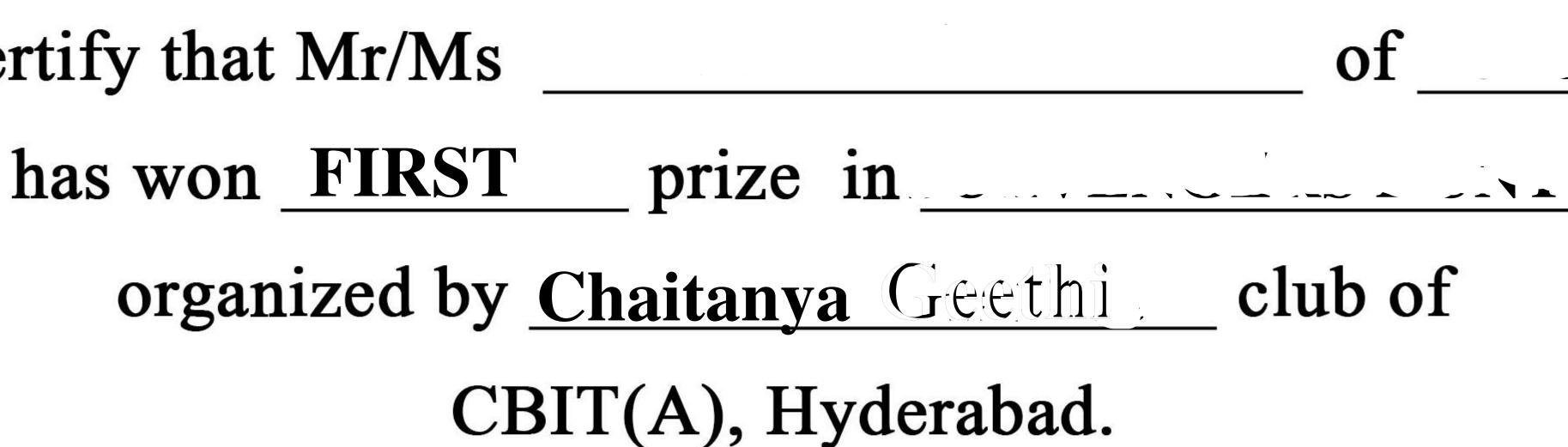
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All India 133rd Rank in

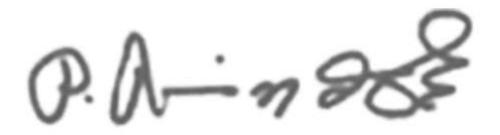
ISO Certified 9001:2015

SHRUTHI - 2022 Amaranthine

CERTIFICATE OF APPRECIATION



Dr. K. Jagannadha Rao Chairman Shruthi - 2022



Dr. P. Ravinder Reddy Principal Advisor, Shruthi 2022





SHRUTHI - 2022 Amaranthine

CERTIFICATE OF CONTRIBUTION

of Chaitanya Geethi V.S.Sai Vishnu This is to certify that Mr/Ms

club has rendered service as

Member

in Shruthi - 2022 organized by CBIT(A), Hyderabad.

a Lavoa Dr.G.Laxmaiah

Chairman Cultural Committee Shruthi 2022

Dr. K. Jagannadha Rao Chairman Shruthi - 2022

P.A-noos

Dr. P. Ravinder Reddy Principal Advisor, Shruthi 2022

तार डेप्ट्राइतेक्ट्रॉनिक्स Gramm DEFELCTHONICS प्रैनिशित्मिक: 040-26840525/24482976 दूरिनिशित्मिक: 040-26840525/24482976 दूरिनिशित्मक: 040-26840561 Mobile: 9490754161 amad: rangavwany.bn.dth@gov.in



सरामा/१७० (२०१८/१९८८) २००००/२२०३/८२९ २०२२ भारत सरकार - रक्षा मंत्रालय ६००४ वर्गान्नान, अलगार व घ्रेलेक्ट २४४ अनुसंधान एवं विकास संगठन ००११९८२ स्टाइल्अट्स ६०९४८००/१८४९ व्योगप्राला २४४ इत्येक्ट्रॉनिक्स अनुसंधान प्रयोगप्राला घ्रस्टर स्टाइल्अट्ड स्टाइस्ट्रास्ट स्टाइल्अट्ड संदर्गयामुट्टा लाईन्स (२५०७७२३) संदर्गयान एक) भारत

Date: 21# March 2022

To

Dr. P. Ravinder Reddy, Principal Chaitanya Bharathi Institute of Technology(CBIT) Gandipet, Hyderabad-500075, T.S

Sub: Invitation to DLRL's Diamond Jubilee Exhibition

Sit.

Warm greetings from Defence Electronics & Research Laboratory(DLRL). Hyderabad. DLRL a premier lab of Defence Research & Development Organization (DRDO), working in design and development of state-of-theart Electronic Warfare(EW) Systems.

- DLRL completed 60 years and celebrated its Diamond Jubilee Function on 19th March 2022. On this occasion, Chairman DRDO inaugurated DLRL product exhibition. The exhibition has DLRL photo section showing significant moments since inception. The product section has models of DLRL systems and technology modules.
- It gives us immense pleasure to extend an invitation to your students to enable them to have an exposure & overview of the EW technologies and systems.

 Schedule, timings and details are given below.

 Date:
 21# - 23rd March 2022

 Timings:
 (a) 10:30 hrs. to 12:30 hrs.

 (b) 14:30 hrs. to 16:30 hrs.

- You may please provide the list of students nominated for the visit along with details of person Liaising from the College. You may please contact the undersigned for further details.
- 5. Expecting to hear from you at the earliest to facilitate smooth visit at DLRL.

With Warm Regards,

BN Rangaswamy, Sc F Head, P&C For Director DLRL

1.	Dept.	Section	Noll No.	Name of the student	500	Dept	Section	Rol No.	Itiana data
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4	ECE	I-SEM-ECE		Oudurn Lasya	74	ECE	ECE-02	160120735090	
4	ECE	I-SEM-ECE		Moonika Pasham	3.5	ECE	ECE-02	160120715004	Emmadi Nithinkumar
6	ECE	VI-ECE-8	160119735121	Amritha Bhargavi	36	ECE	ECE-02	160120735096	Problem Attention
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12	ECE	VI-ECE-13	260119735150	S. Lalith Adithaan	42	ECE	ECE-02	160120735309	
11	ECE	VI-ECE-6	160119735158	P.Nitin	.43	ECE	ECE-02		Rodda Harshitha
4	ECE	VI-ECE-4	160119735163	Ribhu Bhatta Charya	Lave	and the second s		160120735312	Rooda.Harshitha
5	ECE	VI-ECE-11	160119735164	Rishik Routhu	0.000	1000	100.00	I P D I F D I E R	345
6	ECE	VI-ECE-7	160119735166	Sai Aditya Tirukkolluru					
7	ECE	VI-ECE-15	100119735167	MVS Bharadwoi					
-	ECE	VI-ECE-18	160119735168	K.Sai Kumar Reddy					
	DAR 1	VI-ECE-16							
	67.4		160119735173	Saketh Raghav					
1	ECE	VI-ECE-10	160119735177	Md Tousif Ahmed		/	1		
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. SHARATHCHAND of Chaitanya Bharathi Institute of Technology participated in Global Entrepreneurship Summit 2022, organised by Entrepreneurship Cell, IIT Kharagpur from 10th to 13th March.

990f. P. K. Dan Chairman D-Cell. 117 Kharagpur







MAKERS OF INDIA 2021 CERTIFICATE

This is to certify that Mr./Ms. P. SIDDARTH of CBIT has participated in Project Expo with a project entitled " IMPLEMENTATION OF COLLISION DETECTION SYSTEM " on 11th December 2021 at Chaitanya Bharathi Institute of Technology (A), Hyderabad - 500075, Telangana, India.

P. Satish

Dr. P. Sathish Faculty Incharge, MOI 2021



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

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Chaitanya Bharathi Institute of Technology (A) (Affiliated to Osmania University)

Department of Electronics and Communication Engineering

Title		SOLAR TRACKER
Names	4	M.SIDDHARTH , A.SNEHIT REDDY , K.VIKAS
College Name	1	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Abstract

Solar energy is an unlimited source of energy that, if harnessed correctly, will get mankind devoid of using the conventional sources of energy used. Solar power in India is a fast-developing industry as a part of renewable energy. The country's solar installed capacity is 47.7 GW as of 31 October 2021. The Indian Government had an initial target of 20 GW capacity for 2022, which was achieved four years ahead of schedule. The proposed model is designed to harness solar energy in an efficient method. It is designed using an Arduino UNO board, two photoresistors, and a servo motor.

Photoresistors are light-sensing modules, which are to be placed in different directions. They both send digital information of the light intensity to the Arduino board. The microcontroller controls the rotation of the servo motor in the order in which the light intensity is more. As the motor rotates, it controls the direction of the solar panel too. Thus, maintaining constant exposure to sunlight throughout the day and generating electricity.

Our solar tracker's primary use is thatracks the sunlight and generates more electricity, which couldn't be achievable on a stationary solar module. Advancement in technology and reliability in electronics and mechanics have drastically reduced longterm maintenance concerns for tracking systems.



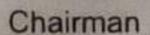
EWB - Student Membership Card



Name Membership Membership No. : STA 13085 Membership Type : Annual Chapter

- : Matta Siddharth
- : Student
- - **EWB India CBIT Student** Chapter, Hyderabad

Valid till the member is active



Imm.

Room No. 416, 4th Floor, Model House Punjagutta, Hyderabad - 500 082. Tel: 040-23410946 Email: ewbindia@ewb-india.org



CERTIFICATE OF ACHIEVEMENT

Participation certificate

This is presented to

M.siddharth

For joining the live webinar

Guide to starting up Hosted by Pushp Raj Singh (Total Duration : 1 hour)



Pustonij

Signature

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Chaitanya Bharathi Institute of Technology (A (Affiliated to Osmania University)

Department of Electronics and Communication Engineering

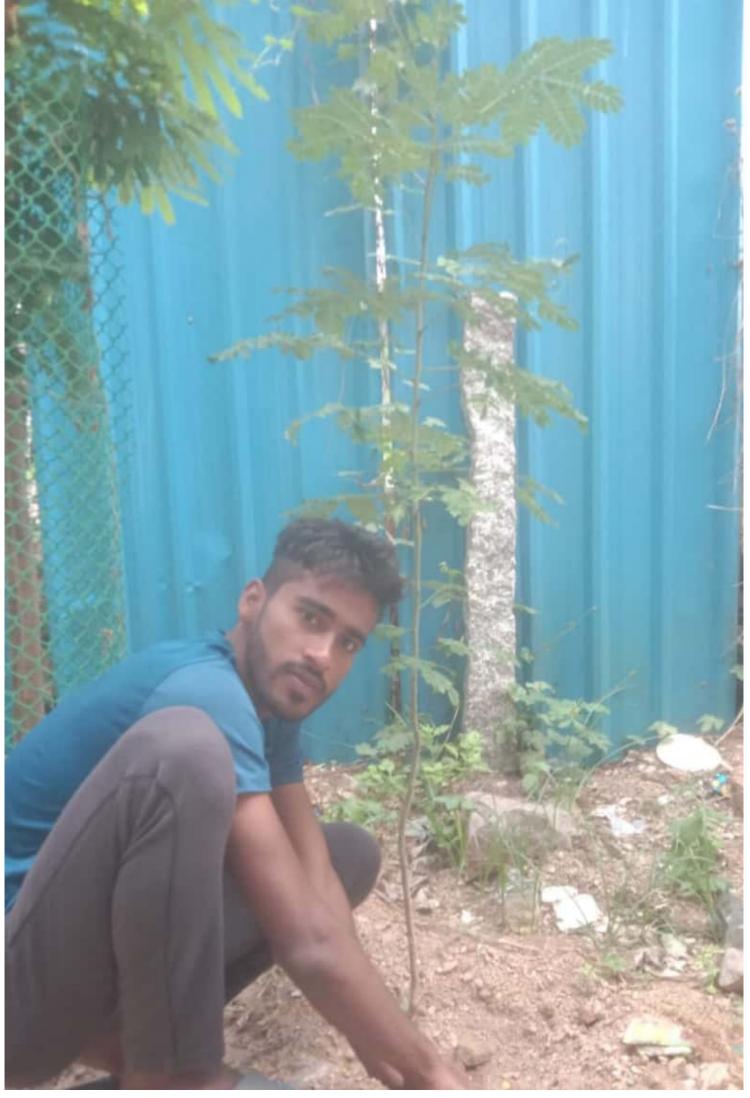
Title	1	SOLAR TRACKER
Names		M.SIDDHARTH, A.SNEHIT REDDY, K.VIKAS
College Name	:	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

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Feb 15, 2022

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Introduction to the Internet of Things and Embedded Systems

an online non-credit course authorized by University of California, Irvine and offered through Coursera

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Ian Harris Professor Department of Computer Science

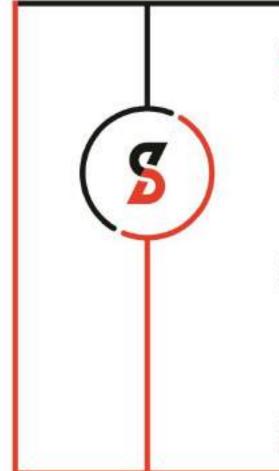


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NI Innovation Center-COE

COE- Coordinator





Certificate of Participation

this certificate is proudly presented to:

Kamshetty Varun

From Chaitanya Bharathi Institute of Technology For his/her appreciable performance in the

Talent Battle - TCS iON National Level Internship Eligibility Test.

Conducted between: 20th October to 24th October, 2021

NET69447





This is to Certify that <u>Kamshetty Varun</u> of <u>CBIT</u>, <u>Electronics and Communication Engineering</u> has offered commendable contribution as a Volunteer for <u>Ramanujan Math Club</u> as a part of <u>SHRUTHI</u> 2021. We appreciate and congratulate your efforts.

Hauter

Dr. MAMTA THAKUR

CONVENER

P. Ray Reser

Dr. P RAJ REDDY HOD - DEPT. OF MATHEMATICS











CERTIFICATE

OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Varun

From ECE For Sucessfully helping us complete the event TARUNAH #YOUthCAN on behalf of EWB-CBIT

M.Thirupathaiah FACULTY COORDINTOR



Certificate of Internship

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Kamshetty Varun has volunteered with Inqui Lab Foundation, between the period of January 26th, 2022 to February 9th, 2022.

During this period he had contributed to a social innovation project to build the larger ecosystem of social innovation in the state of Telangana, India and also thus enhancing his skills. He was prompt with his tasks and genuine with his feedback, to best suit our organizational needs and has successfully completed the assignment.

We thank him for his efforts and wish him all the best in his future endeavors

Thank you

Vivek Piddempally Director, Inqui-Lab Foundation



CERTIFICATE OF INTERNSHIP

International MUN recruited Campus Ambassador Interns and they were given different tasks of social media promotions as well as to get IMUN Online Conference referrals. Kamshetty Varun was one of the Campus Ambassador Intern and performed tasks well.

We wish Kamshetty Varun good luck for all the future endeavours.

Mohinecsh Bhoodwy

Mohneesh Bhardwaj Executive Chairman

Date of internship: August 27th, 2021 - October 1st, 2021









SHRUTHI - 2022

Amaranthine

CERTIFICATE OF CONTRIBUT DN

This is to certify that Mr/Ms Venkata Aniruddh Kalyan Talluri of Chaitanya Geethi

club has rendered service as

Member

in Shruthi - 2022 organized by CBIT(A), Hyderabad.

Dr.G.Laxmaiah

Chairman Cultural Committee Shruthi 2022

Dr. K. Jagannadha Rao Chairman Shruthi - 2022

P.A. nors Dr. P. Ravinder Reddy Principal

Advisor, Shruthi 2022



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Sreenidhi's Annual Technical Fest organised by

The Robotics Club-SNIST

9th - 12th December

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This is to certify that

a Technical

Mr/Mrs_vikas kalakonda

has participated in



MD NIHAL ASJAD

President /

Dr. A PURUSHOTHAM

event, Roboveda'21

Dr. T CH SHIVA REDDY Principal Torre E

Director



ECELL-210606479

CERTIFICATE OF PARTICIPATION



THIS IS TO CERTIFY THAT

Vikas Kalakonda

participated in "IoT, Robotics & Embedded Systems" from 01st Apr, 2021 to 15th May, 2021 and successfully completed the program.

11-Jun-2021

Issue Date



Academic Head



Chaitanya Bharathi Institute of Technology (A)

(Affiliated to Osmania University)

Department of Electronics and Communication Engineering

AAVISHKAAR PROJECT EXPO

Title	:	SOLAR TRACKER
Names	:	M.SIDDHARTH , A.SNEHIT REDDY , K.VIKAS
College Name	:	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

<u>Abstract</u>

Solar energy is an unlimited source of energy that, if harnessed correctly, will get mankind devoid of using the conventional sources of energy used. Solar power in India is a fast-developing industry as a part of renewable energy. The country's solar installed capacity is 47.7 GW as of 31 October 2021. The Indian Government had an initial target of 20 GW capacity for 2022, which was achieved four years ahead of schedule. The proposed model is designed to harness solar energy in an efficient method. It is designed using an Arduino UNO board, two photoresistors, and a servo motor.

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MAKERS OF INDIA 2021

CERTIFICATE

This is to certify that Mr. / Ms. NISHEETH of CBIT has participated in Project Expo with a project entitled "HAND GESTURE BASED MEDIA PLAYER CONTROL SYSTEM" on 11th December 2021 at Chaitanya Bharathi Institute of Technology (A), Hyderabad - 500075, Telangana, India.

P. Satur

Dr. P. Sathish Faculty Incharge, MOI 2021



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

Collo

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This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22CS28S33580305

To K Y NISHEETH CHARAN REDDY PLOT NO 26, 2ND RALIWAY GATE SHIVALAYAM ROAD GADWAL TELANGANA - 509125 PH. NO :918340042344



	Score	Type of Certificate				
>=90		Elite+Gold				
ľ	75-89	Elite+Silver				
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t	40-59	Successfully Completed				
ŀ	<40	No Certificate				
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No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



K Y NISHEETH CHARAN REDDY

for successfully completing the course

Data Science for Engineers

with a consolidated score of 58 %

Online Assignments 22.21/25 Proctored Exam 36/75

Total number of candidates certified in this course: 1264

Devendra Jalihal

Prof. Devendra Jalihal Chairman Centre for Continuing Education, IITM

Jan-Mar 2022 (8 week course)



NPTEL, Coordinator IIT Madras



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Indian Institute of Technology Madras

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CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERINGBE III SEMESTER (ECE-2)

TITLE: Arduino Based Hand Gesture Control of Computer

NAMES OF THE STUDENTS: R.Shrayan +160120735098 M.Rithvik +160120735092 K.Y.Nisheeth +160120735119

ABSTRACT

Gesture based interaction systems are becoming very popular both at workplace and home. This work intends to develop a system which can recognize hand gestures which can be used as an input command to interact with the PC or laptop. One of the key areas which need to be looked at while developing such systems is the code implementation stage. In order to manage the work we shall be using Python for the implementation of the code.

In order to control pc using ultra sonic sensors, this technique is called Leap motion which enables us to control certain functions on our computer/Laptop by simply waving our hand in front of it. <u>Gesture 1</u>: Place the hand in front of the Right Ultrasonic Sensor at a distance (between 15CM to 35CM) for a small duration and move our hand away from the sensor. This gesture will Scroll Down the Web Page.

Gesture 2: Place the hand in front of the Right Ultrasonic Sensor at a distance (between 15CM to 35CM) for a small duration and move our hand towards the sensor. This gesture will Scroll up the Web Page. Gesture 3: Swipe the hand in front of the Right Ultrasonic Sensor. This gesture will move to the Next Tab. Gesture 4: Swipe the hand in front of the Left Ultrasonic Sensor. This gesture will move to the Previous Tab or Play/Pause the Video.

Gesture 5: Swipe the hand across both the sensors (Left Sensor first). This action will switch between Tasks. Based on the above mentioned gesture, the following Arduino Program has been written.

Gesture recognition is useful in processing information from human beings that is not conveyed through speech or other methods. This technology is useful in following areas:

a. Immersive gaming technology

b. Control through facial gestures

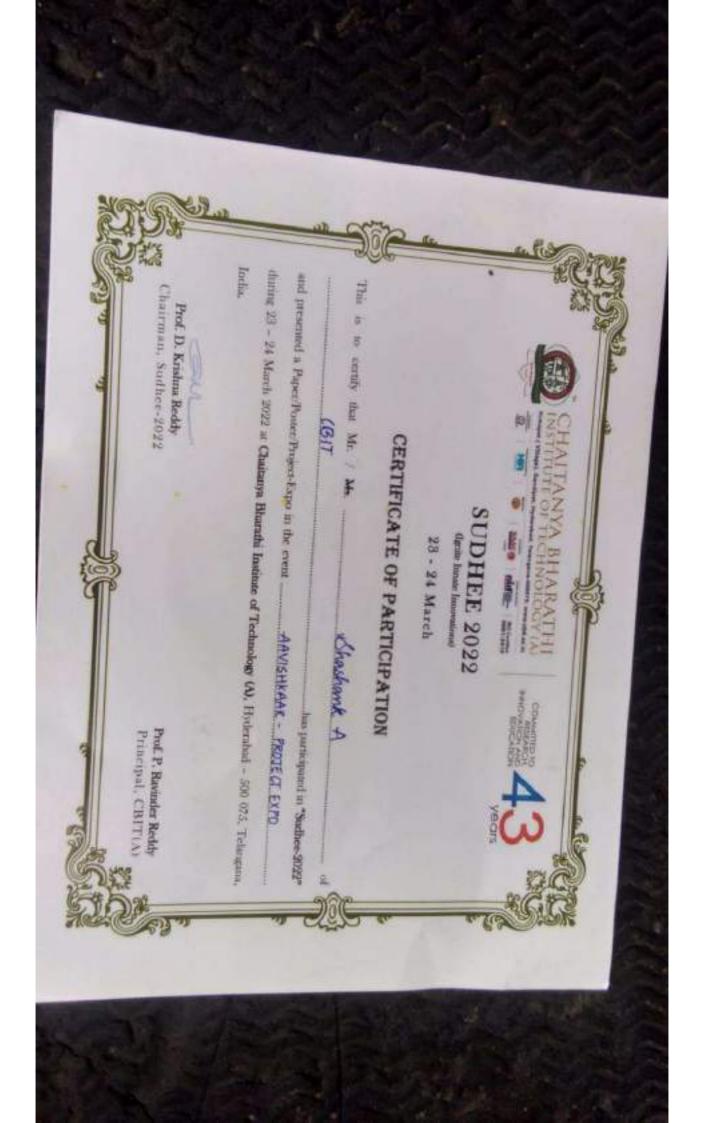
c. Alternative computer interfaces

d. Remote control

e. Home Appliances control

CLUB COORDINATOR P.SATISH (ECE DEPT) & Same

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Jan 30. 2022

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Nakka Siddartha

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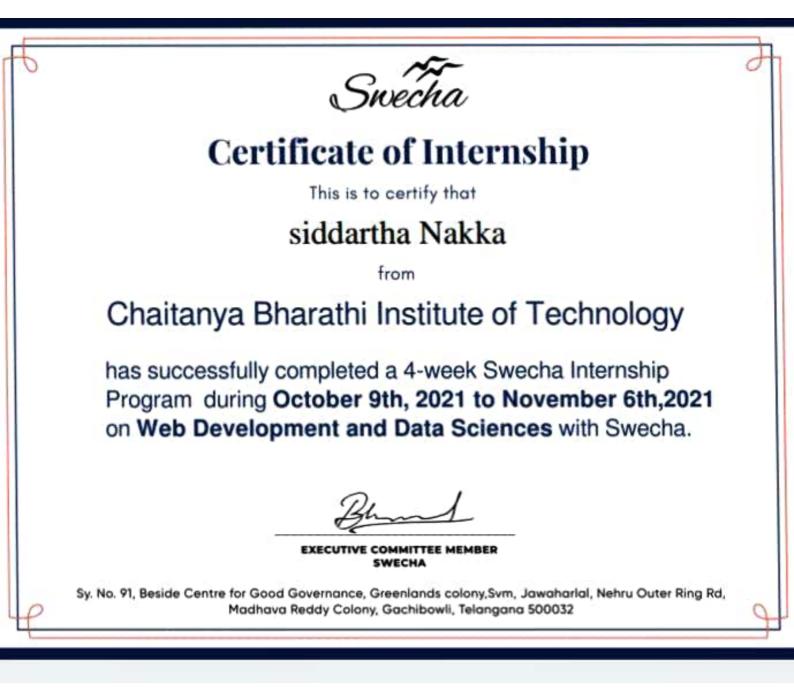


6 Ham

lan Harris Prolessor Department of Computer Science

Verify at coursera.org/verify/M8HTX7286CKj Coursera has confirmed the identity of this individual and their participation in the course.







Membership No: 241647

Certificate No: 066216

THE INSTITUTION OF

ELECTRONICS AND TELECOMMUNICATION ENGINEERS

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issued to

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II year, B.E. / B.Tech of ECE



Chaitanya Bharathi Institute of Technology

HYDERABAD

(Valid from DEC 2021 to DEC 2024)

Secretary General

President

This Certificate is the property of the Institution

THE ART OF LIVING FOUNDATION

www.artofliving.org

To,

Dr. P. Ravinder Reddy Sir

Principal

Chaitanya Bharathi Institute of Technology

Gandipet (M), Kokapet (V)

Subject: To Conduct The Art of Living's YesI+ Program on campus.

Dear Sir,

We are seeking permission to organize the YESI+ program on campus during the dates 27th - 31st December, 2021 (27th, 28th - 9:10 am to 1:30 pm | 29th to 31st - 9:10 am to 4:00 pm). On completion of the workshop a certificate is presented to them from The Art of Living.

This workshop will be coordinated by Anuraag, who will be volunteering with the students and will handle all the logistics and operations of the workshop during the mentioned dates & time.

This workshop will be facilitated by our esteemed faculty, Mr.Manas Ram.

We request you to kindly grant us permission for the same and also request you to grant full attendance to all the students attending the workshop for these dates.

AJ Balakishur, Faculty, ELE to Ol. Costinute

Yours sincerely,

YESI+ Team

(The Art of Living)

Art of Living International Center Ved Vignan Maha Vidya Peeth 21st Km, Kanakapura Road, Udayapura Bangalore, Karnataka 560 082, India.

20/12/200

YEST WORKESHOP PARTICIPANTS LEFT . 2+ lie level to 21 helevel.

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2	G.V.RANJIT	7337554524	AI-D5	
3	M.ADITHI	8465004363	AI-D5	
4	S.NEHA REDDY	9440163372	AI-D5	
5	A PRANAV REDDY	6305569703	CSE-1	
	A.SNIGDHA	9392856572	CSE-1	
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	NIKHITHA TUBATI	9652393313		
	PJYOTHI SREE	7330467070		
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	OOJA DAMPETTA	6281770210		- 1611-20-735-070 .
-	RABHAV	9346480464	ECE E-2	- 1601-20-735-096.
-	THVIK	9010293300	ECE E-2	1601-20-735-100.
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संस्थागिक १७७१/मध्य ११७७००/२८०१/२८७२ २८७२ भारत संस्थार - रक्षा मंत्रालय द्वारा मा क्वंत, कांगाएर मं विश्वलय हवा अनुसंधान एवं विकास संगठन विद्यापार्ग्युटा लाई-सारकार्व्यक्रम्बान्ध्य वेदापार्ग्युटा लाई-सारकार्व्यक्रम्बर्ग्याया हेदराबाद मारकार्व्यका ५००००४ (तेल्माना राज्य) भारत



Date: 21^{er} March 2022

To:

Dr. P. Ravinder Reddy, Principal Chaitanya Bharathi Institute of Technology(CBIT) Gandipet, Hyderabad-500075, T.S.

Sub: Invitation to DLRL's Diamond Jubilee Exhibition

Sir.

Warm greetings from Defence Electronics & Research Laboratory(DLRL). Hyderabad. DLRL a premier lab of Defence Research & Development Organization (DRDO), working in design and development of state-of-theart Electronic Warfare(EW) Systems.

- DLRL completed 60 years and celebrated its Diamond Jubilee Function on 19th March 2022. On this occasion, Chairman DRDO inaugurated DLRL product exhibition. The exhibition has DLRL photo section showing significant moments since inception. The product section has models of DLRL systems and technology modules.
- It gives us immense pleasure to extend an invitation to your students to enable them to have an exposure & overview of the EW technologies and systems.

 Schedule, timings and details are given below.

 Date:
 21# - 23rd March 2022

 Timings:
 (a) 10:30 hrs. to 12:30 hrs.

 (b) 14:30 hrs. to 16:30 hrs.

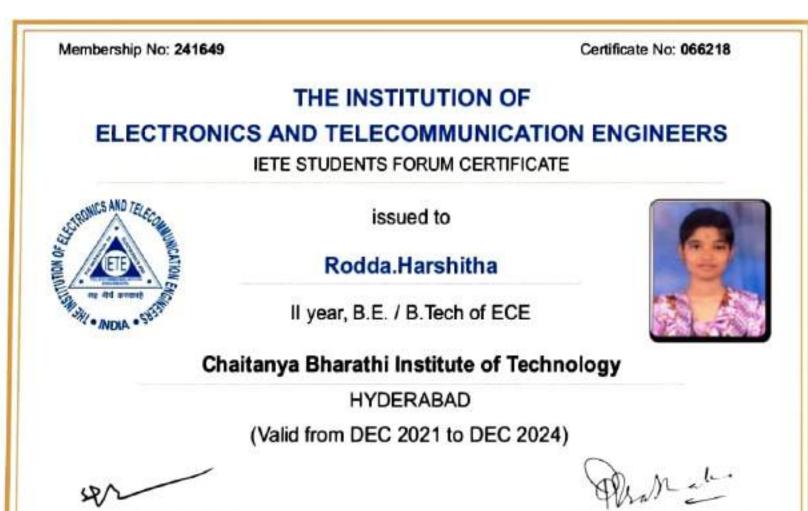
- You may please provide the list of students nominated for the visit along with details of person Liaising from the College. You may please contact the undersigned for further details.
- Expecting to hear from you at the earliest to facilitate smooth visit at DLRL.

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With Warm Regards,

BN Rangaswamy, Sc F Head, P&C For Director DLRL

Sno	Dept.	Section	Roll No.	Name of the student	Sno	Dept.	Section	Roll No.	Name of the student
	ECE	VI-ECE-1	160119735004	Esha Vayshnavi	32	ECE	ECE-02	160120735087	Gundeboina
2	ECE	1-SEM-ECE4	160119735007	K Himaja	33	ECE	ECE-02	160120735088	Ponnari Eshwar
3	ECE	1-SEM-ECE-	the second s	Guduru Lasya	34	ECE	ECE-02	160120735090	Kumar yadav
4	ECE	I-SEM-ECE-	160119735011	Mounika Pasham	35	ECE	ECE-02	160120735095	Emmadi Nithinkumar
5	ECE	VI-ECE-8	160119735121	Amritha Bhargavi	36	ECE	ECE-02	160120735096	Prabhav (Albin >)
6	ECE	VI-ECE-9	160119735324		37	ECE	ECE-02	160120735097	K pranay raj
7	ECE	VI-ECE-3	160119735140	Chirag Agarwal	38	ECE	ECE-02	160120735101	Sridatta (Arian V
8	ECE	VI-ECE-17	160119735144	Gunasatyarth	39	ECE	ECE-02	160120735103	Julakanti sai ganesh
9	ECE	VI-ECE-5	160119735145	Harikrishna Nalumasu	40	ECE	ECE-02	160120735109	KODAM
10	ECE	VI-ECE-12	160119735147	Padige Kalyan Kumar	41	ECE	ECE-02	160120735110	Siddarth P
11	ECE	VI-ECE-13	160119735150	S. Lalith Adithyan	42	ECE	ECE-02	160120735309	V.Akhila
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13	ECE	VI-ECE-4	160119735163	Ribhu Bhatta Charya	44 FIE ECE ~~ 16012-73075				
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15	ECE	VI-ECE-7	160119735166						
16	ECE	VI-ECE-15	160119735167	MVS Bharadwaj					
17	ECE	VI-ECE-18	160119735168						
18	ECE	VI-ECE-16	160119735173	Saketh Raghav					
19	ECE	VI-ECE-10	160119735177	Md Tousif Ahmed		1	N		
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President

This Certificate is the property of the Institution

Secretary General





THE ART OF LIVING FOUNDATION

www.artofliving.org

To,

Dr. P. Ravinder Reddy Sir

Principal

Chaitanya Bharathi Institute of Technology

Gandipet (M), Kokapet (V)

Subject: To Conduct The Art of Living's Yes!+ Program on campus.

Dear Sir,

We are seeking permission to organize the YESI+ program on campus during the dates 27th - 31st December, 2021 (27th, 28th - 9:10 am to 1:30 pm | 29th to 31st - 9:10 am to 4:00 pm). On completion of the workshop a certificate is presented to them from The Art of Living.

This workshop will be coordinated by Anuraag, who will be volunteering with the students and will handle all the logistics and operations of the workshop during the mentioned dates & time.

This workshop will be facilitated by our esteemed faculty, Mr.Manas Ram.

We request you to kindly grant us permission for the same and also request you to grant full attendance to all the students attending the workshop for these dates.

Yours sincerely,

YES!+ Team

(The Art of Living)

W.J. Bolakultura, faculty, Elle to Ol. Considerate -20/2/25

YEST WERESHOP PARTICIPANTS LEST , 27/10/0001 to 21/10/2001.

S.No	Name	Phone no.	Branch]
C	AARTHIJURYALA	9390317394	AI-DS	
2	G.V.RANIIT	7337554524	AI-DS	
	MADITH	8465004363	AI-DS	
4	S.NEHA REDDY	9440163372	AI-D5	
5	A PRANAV REDDY	6305569703	CSE-1	1
Б	A SNIGDHA	9392856572	CSE-1	1
7	B SATVIKA	7674013434	CSE-1	
8	C.VINAY KUMAR	7006567790	CSE-1	
9	CH SAI AKSHITHA	7893802690	CSE-1	
10	LALASA	9014379255	CSE-1	1
	M:SAI GANESH	7013754077	CSE-1	
12	MEGHANA GANAPURAM	6303391770	CSE-1	1/
13	NIKHITHA TUBATI	9652393313	CSE-1	
14	P.JYOTHI SREE	7330467070	CSE-1	1
15	RAM CHARAN	6309771071	CSE-1	1
16	SHAIK ASDUL KHADER AL AMOUDI	9053239003	CSE-1	1
17	V.NIKITA	9642398969	CSE-1	1
18	V PRATHAM REDDY	8688258371	CSE-1	1
	SYED NOOR MOHAMMED	7989621401	CSE-4	1
20	V SHRESTA	8897704989	CSE-4	1
_	RISHITHA REDDY GUDIPATI	7386813090	CSE-4	1
- 107	PALLAVI	8179012483	ECE D-2	
	RISHIKESH	9959926489	ECE D-Z	
24	RISHITHA	8074986059	ECE D-2	
25	SAI PRIYA	9550242472	ECE D-2	loggen ^{er}
26	SAKETH KUMAR	8919908177	ECE D-2	1604-
27	Y.S.INDRANEEL REDDY	8639391616	ECE E-2 -	100 - 1601-20-735-104 .
28	B.MAHITHA	7995671116	ECE E-2	064 1601-20-775-064
29	D.SAI KUMAR	8106109051	ECE E-2	091 1601-20-735-105
30	D.SRIYA	8978982660	ECE E-2	
344	SECONS MONANSMAD	9701996860	tcs 92/	
32	G.DANUSH	9640520003		1601-20-735-086
33	K.MEGHANA	8919561917	ECE E-2	- 1601-20-735-067
34	K.PRANAY RAJ	63020735097	ECE E-2	- 1601-20-735-097
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36	P.ESHWAR	6309308821		- 1601-20-735 - 115
37	POOJA DAMPETTA	6281770210		-1601-20-735-088
38	PRABHAV	9346480464	the second s	1611-20-735-070
39	RITHVIK	9010293300		- 1601-20-735-096.
40	SAI SHIVANI	9030897071		1601-20-735-100.
41	SHRAYAN	7893616456		- 1601-20-735-073.
42	THARUN TEJA			- 1601-01-735-113
	V.AKHILA	9652413782		
-	A SREEJA	9502922330		- 161-2-75-209.
-	CHANDANA	6303051150		024 1001-20-735-024
_	DEVI.SRI KAILASH	9440922090		0+= 1601-20-735-013
	EJAHNAVI	8897439922		1601-20-735-008.
-	AJITHA	7995681699		1601-20-735-011
-	AKSHAY	9866417851	SEE D-1	EL 1601-20-735-125.
	ANDREW	7287078216	EEE D-1	
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तार हेफड्रलेक्ट्रॉनिक्स orams DEFELECTRONICS फेक्स/Fax orb-24440525/24442976 दूरोनीष/Phone 040-24440063 Mobile 9490754163 email cangaswamy.bm.dtrt@lgov.in



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संख्यात्राः तत् मान्डः, /1.0209/2203/ASP-2022 भारत संस्कृत रक्षा मंत्रालय किंव काल्वेब, Ministry of Defense रक्षा अनुसंधान एवं विकास संगठन अस्य इत्तेक्ट्रॉनिवस अनुसंधान प्रयोगशाला अस्मिर्टा स्टब्स्ट्रानिवस अनुसंधान प्रयोगशाला अस्मिर्टा स्टब्स्ट्रानिवस अनुसंधान प्रयोगशाला वदायणम्(पूर्णा लाईन्स x5-andrayangata Lines हेदराबाद / मर्थ्यमत्रका 500.005 (तेलंगाना राज्य) भारत

Date 21^{el} March 2022

To:

Or. P. Ravinder Reddy, Principal Chaltanya Bharathi Institute of Technology(CBIT) Gandipet, Hyderabad-500075, T.S.

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- 5. Expecting to hear from you at the earliest to facilitate smooth visit at DLRL.

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BN Rangaswamy, Sc F Head, P&C For Director DLRL

Sno	Dept.	Section	Roll No.	Name of the student	Sno	Dept.	Section	Roll No.	Name of the student
4	ECE	VI-FCE-1		Esha Vayshnavi	32	ECE	ECE-02	160120735087	Gundehoina
2	ECE	I-SEM-ECE-	Contraction of the local division of the loc	K Himaja	33	ECE	ECE-02	160120735088	Ponnari Eshwar
3	ECE	I-SEM-ECE-	the second s	Guduru Lasya	34	ECE	ECE-02	160120735090	Kumar yaday
4	ECE	I-SEM-ECE-		Mounika Pasham	35	ECE	ECE-02	160120735095	the second se
3	ECE	VI-ECE-8	100119735121	Amritha Bhargavi	36	ECE	ECE-02	160120735096	Prabhay a total to
6	ECE	VI-ECE-9	160119735124		37	ECE	ECE-02	160120735097	K pranav raj
7	ECE	VI-ECE-3		Chirag Agarwal	38	ECE	ECE-02	160120735101	Sridatta Ana V
8	ECE	VI-ECE-17	160119735144	Gunasatyarth	39	ECE	ECE-02	160120735103	Julakanti sai ganesh
9	ECE	VI-ECE-5	160119735145	Harikrishna Nalumasu	40	ECE	ECE-02	the second s	KODAM
0	ECE	VI-ECE+12	160119735147	Padige Kalyan Kumar	41	ECE	ECE-02	160120735110	and the second se
1	ECE	VI-ECE-13		S. Lalith Adithyan	42	ECE	ECE-02	160120735309	and a fear of the second se
2	ECE	VI-ECE-6	160119735158	P.Nitin	43	ECE	ECE-02	when the number of the standard of a local management	Rodda, Harshitha
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14	ECE	VI-ECE-11	160119735164		- 90	100		14 (112 192)	.15
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6	ECE	VI-ECE-15		MVS Bharadwaj					
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31	ECE	ECE-02		Gundu Dhanush					













UCI University of California, Irvine

Feb 2, 2022

Gatla Abhilash

has successfully completed

Introduction to the Internet of Things and Embedded Systems

an online non-credit course authorized by University of California, Irvine and offered through Coursera

la Ham

Ian Harris Professor Department of Computer Science

COURSE CERTIFICATE



Verify at: <u>coursera.org/verify/27GMAJRMCR3S</u>

Coursera has confirmed the identity of this individual and their participation in the course.





MAKERS OF INDIA 2021

CERTIFICATE

This is to certify that Mr. / Ms. HASAN PASHA of CBIT has participated in Project Expo with a project entitled "DESIGN OF SECURITY SYSTEM FOR ATM MACHINE USING IC555" on 11th December 2021 at Chaitanya Bharathi Institute of Technology (A), Hyderabad - 500075, Telangana, India.

P. Satur

Dr. P. Sathish *Faculty Incharge, MOI 2021*



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



Certificate of Internship

This is to certify that

Hasan Pasha Shaik

from

Chaitanya Bharathi Institute of Technology

has successfully completed a 4-week Swecha Internship Program during October 9th, 2021 to November 6th, 2021 on Web Development and Data Sciences with Swecha.

EXECUTIVE COMMITTEE MEMBER SWECHA

Sy. No. 91, Beside Centre for Good Governance, Greenlands colony, Svm, Jawaharlal, Nehru Outer Ring Rd, Madhava Reddy Colony, Gachibowli, Telangana 500032



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CHAITANY INSTITUTE OF	A BHARATHI	COMMITTED TO 13
Hokapel (Villagel, Gandgel, Hyde	ALC D Differ BOOK2015	
5	SUDHEE 2022 (Ignite Innate Innovations)	
	23 - 24 March	
м	ERIT CERTIFICATE	
	Haven Parka	Chailanna
This is to certify that Mr. / Ms. Bharathe Institute of Award for I death on -	Technology (A)	of Chartany
Award for Idea thon -	22 (MOI)	during "Sudhee 2022"
on 23 - 24 March 2022 at Chaitanya Shart		
cour		Q. M- +==
Prof. D. Krishna Reddy		Prof. P. Ravinder Reddy
Chairman, Sudhee 2022		Principal, CBIT (A)
	<u>a</u> @e	Se C

UCI University of California, Irvine

Jan 31, 2022

Shaik Hasan Pasha

has successfully completed

Introduction to the Internet of Things and Embedded Systems

an online non-credit course authorized by University of California, Irvine and offered through Coursera

la Harrin

Ian Harris Professor Department of Computer Science

COURSE CERTIFICATE



Verify at coursera.org/verify/STJHN9HQGY5Z Coursera has confirmed the identity of this individual and their participation in the course. HARITHA HARAM



