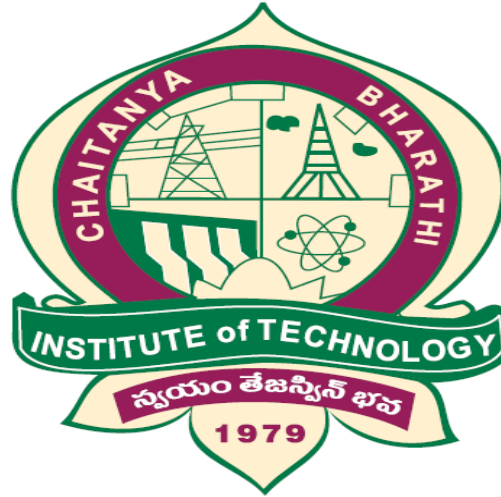


**REVISED INSTITUTE DEVELOPMENT PROPOSAL  
SUBMITTED TO  
NPIU  
(REQUESTING FOR ADDITIONAL FUNDS)**

**By**

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY  
AUTONOMOUS INSTITUTION UNDER UGC  
CHAITANYA BHARATHI (POST), GANDIPET  
HYDERABAD-500075 TELANGANA STATE**



**JULY 2015**

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY**

<b>Contents</b>		
<b>Sl.No</b>		<b>Page No</b>
<b>1</b>	General information about the institute	<b>1</b>
<b>2</b>	Present GB on rolls	<b>4</b>
<b>3</b>	Developments in the institute ( a comparison)	<b>5</b>
<b>4</b>	Transition Rate (After signing of MoU with NPIU)	<b>6</b>
<b>5</b>	No. of Placements (After signing of MoU with NPIU)	<b>6</b>
<b>6</b>	Publications by the faculty(After signing of MoU with NPIU)	<b>6</b>
<b>7</b>	No. of programs organized by the departments/institutes which are supported by TEQIP	<b>6</b>
<b>8</b>	No. of R&D Projects, FDPs, Seminar Grants sectioned from funding agencies (After signing of MoU with NPIU)	<b>7</b>
<b>9</b>	Other achievements (technical)	<b>7</b>
<b>10</b>	Status of Funds granted under TEQIP-II (SC1.1)	<b>7</b>
<b>11</b>	Expenditure Status ( as on March 2015).	<b>7</b>
<b>12</b>	Percentage of allocations on various heads (as approved by GB) and amount spent	<b>8</b>
<b>13</b>	Status of KPI	<b>8</b>
<b>14</b>	Establishment of Four Funds	<b>8</b>
<b>15</b>	Justification for requesting additional funds from NPIU/TEQIP( <b>April 2015 to October 2016</b> )	<b>9</b>
<b>16</b>	Achievements as on 31 <sup>st</sup> March, 2015 with reference to the IDP submitted in 2010	<b>12</b>

### ***1. General information about the institute***

ChaitanyaBharathi Institute of Technology (CBIT) was established by ChaitanyaBharathi Educational Society (CBES), in the year 1979. A group of visionaries from varied professions like Engineering, Medical, Legal and Management formed the ChaitanyaBharathi Educational Society. In the last 35 years of existence, CBIT has emerged as a leading Technical education provider in the state of Telangana.

In the year 2009, a separate Society under the name of ChaitanyaBharathi Institute of Technology was registered and the existing CBIT was transferred to this new Society along with assets bifurcated from CBES. The main purpose of this bifurcation of assets and Registration as a separate society was to obtain Deemed to be University Status for CBIT. Accordingly, CBIT has applied for Deemed to be University status. In the meanwhile CBIT obtained Autonomous status from UGC in the academic year 2013-14 for a period of six years.

The Institution is regarded as a trend setter by the other institutions of Engineering and Technology under private managements due to its infrastructure and academic excellence. The management at the time of inception was headed by former Justice Late K. Madhava Reddy, a noted Jurist and multifaceted personality and CBIT owes its success to the vision and diligent efforts of this legendary personality. Dr. V. Malakonda Reddy, the Founder Secretary and First Principal and all other members of the society contributed their might to the success of the institute and to build it to the present eminent position.

### ***Intake and Courses offered***

CBIT started with an approved intake of 200 with affiliation from Osmania University and over the years the institute has grown manifold with the present approved intake raising to 1334 with Nine (09) UG and Eleven (11) P.G. Courses as under:

<b>Under Graduate Courses :</b>	<b>Post Graduate Courses :</b>
B.E. Civil Engineering	M.E. Civil (Structural Engineering)
B.E. Mechanical Engineering	M.E. Civil (Earthquake Engineering)
B.E. Production Engineering	M.E. Mechanical (CAD / CAM)
B.E. Computer Science & Engineering	M.E. Mechanical (Thermal Engineering)
B.E. Information Technology	M.Tech. Computer Science & Engineering
B.E. Electronics and Communication Engg.	M.E. ECE (Communication Engineering)
B.E. Electrical & Electronics Engineering	M.E. ECE (Embedded Systems & VLSI Design)
B.Tech. Chemical Engineering	M.E. EEE (Power Systems & Power Electronics)
B.Tech. Bio – Technology	M.E. I.T. (Computer Network & Information Security)
	Master of Business Administration (MBA)
	Master of Computer Application (MCA)

### **Accreditation and ISO 9001:2008 certification**

CBIT has NBA Accreditation for all its U.G. Courses and application for accreditation of P.G. Courses is under process. The Institute has also an ISO 9001:2008 certification.

### ***Location, Infrastructure and facilities:***

The sylvan surroundings of the historic Osman Sagar in Gandipet with the serene beauty of CBIT is highly conducive for the students to pursue their academics. The best of the facilities are made available to the students - excellent infrastructure, State of Art Laboratories and a spacious Library with a total built up area of about 52,796.04 Sq.mts.

### ***Faculty and Staff :***

The institute has 269 well-qualified, highly committed and dedicated faculty out of which 84 are doctorate degree holders and 76 are pursuing Ph.D. It has 241 experienced and committed supporting technical and Administrative staff.

### ***Student Performance***

The excellent academic results of the students in the examinations with 95.06 pass percentages with 343 distinctions and the good number of placements (1154 students placed for 2014 -2015) with reputed MNC and Public Sector enterprises stands proof to the success of the institute. CBIT is proud that many of its graduates have become successful Entrepreneurs and also renowned personalities in public life.

### ***Position among Top Engineering Colleges***

In its relentless pursuit for academic excellence; CBIT has scaled great heights. In a recent survey conducted by Outlook Magazine and Week, CBIT is ranked 35<sup>th</sup> and 57<sup>th</sup> respectively in the country among all engineering colleges including IITs.

### ***Institute Industry Interaction***

CBIT has developed a very close liaison with industry and Research Institutes run by the Government. It has 28 MoUs with most reputed Industries and organizations like DMRL, DRDL, TCS, INFOSYS, WIPRO, Cyber motion, INFOTECH, BHEL, ELICO, Sri Venkateshwara Electrical & Mechanical Industries and Himalaya Electronic Services, CSIR, SERC, Dr. Reddy Labs, CSI.

### ***Academic Collaboration***

CBIT has entered into MOUs with prominent institutions in India and Abroad.

### ***Training Programs, Workshops etc.,***

To widen the horizon of knowledge and to disseminate the latest information to the budding engineers as well faculty CBIT has been continuously organizing a number of training programs, national level seminars, conferences and workshops in various disciplines. The faculty is sent to attend conferences to develop research and development activities and to keep themselves abreast with latest technical developments.

### ***Encouraging Research***

Faculty and students are encouraged to take up research projects. Generous financial assistance is provided for deserving projects. Financial Assistance is also provided for publishing research papers in Journals and presentation at conferences.

### ***Sports & Extra-Curricular Activities***

Institute has excellent indoor and outdoor facilities for student sports activities. These facilities include Indoor Badminton Stadium, Volley Ball Courts, Cricket Ground etc, A number of tournaments are conducted in association with Osmania University and other prominent institutes. Our students immensely benefit from these tournaments in improving their talents.

Through a wide range of extra-curricular activities students of CBIT get an exposure to a variety of social, cultural, intellectual, recreational opportunities and challenges to help them develop an all rounded personality. Co-curricular and extra-curricular activities are planned and executed through a number of associations, clubs, societies and students' chapters of professional bodies.

### ***Our Motto***

Management with a vision ***to be a Centre of Excellence in technical education and research*** envisaged a new road map to CBIT to elevate its standards on par with premier technical institutions in the country. The institute harnesses the talents of the students to make them technically sound and to develop a holistic personality. In line with its motto "***SwayamTejaswinBhava***" CBIT trains the students to become self-enlightened and to become successful personalities in their respective walks of life.

## 2. Present GB on rolls

S.No	Name of Member of GB	Qualifications and position in the current engagements	Position in the GB	Nominated by
<b>Chairperson</b>				
1	Dr. V. Malakonda Reddy	Ph.D	President	CBIT Society
<b>Members of the Trust/Society/Management</b>				
2	VastushilpiDr. B.N. Reddy	M.S Engg.(USA)	Member	CBIT Society
3	Sri D. Kamalakar Reddy	MBA	Member	CBIT Society
4	Sri. V. V. Narayana,	B.E	Member	CBIT Society
5	Sri N. Subhash	B.Tech	Member	CBIT Society
6	Smt. D. Sandhyasree	M. Arch.	Member	CBIT Society
7	Sri. J. Pratap Reddy	B.E	Member	CBIT Society
8	Sri. B. VenkatRamdev	Ph.D	Member	CBIT Society
<b>Two faculty members of the Institution</b>				
9	Prof. P. Ravinder Reddy	M.Tech, Ph.D, Head, MED	Member	CBIT Society
10	Prof. N. V. KoteswaraRao	M.Tech, Ph.D, Head ECE	Member	CBIT Society
<b>Educationists or Industrialists</b>				
11	Prof. Uday B. Desai,	M.Tech, Ph.D, Director	Member	Director, IIT, Hyderabad
12	Prof. T.Srinivasulu	Ph.D., Director	Member	Director, NIT Warangal
13	Sri G. Sateesh Reddy,	Outstanding Scientist	Member	Director, RCI, DRDO, Hyderabad.
14	Sri. B. Ashok Reddy	President, CA,	Member	Infotech Enterprises Limited
<b>One nominee of the AICTE/UGC.</b>				
15	Dr. Eshan Ahmed Khan	Professor of Statistics, JamiaHamdard University, New Delhi	Member	UGC
<b>One nominee of the State Government</b>				
16	State Government Nominee		Member	Nominated by Commissioner of Technical Education – State Govt.
<b>One nominee of the University to which the Institution is affiliated.</b>				
17	Prof. A VenuGopala Reddy	Prof., Computer Science &Engg., OU	Member	Osmania University
<b>Head of the Institution, Ex-officio</b>				
18	Dr. B ChennakesavaRao	M.E., Ph.D, Principal	Member-Secretary	CBIT Society

### 3. Developments in the institute ( a comparison)

Description	Before signing of MoU with NPIU	After signing of MoU with NPIU	Remarks
-------------	---------------------------------	--------------------------------	---------

#### (A) Student Intake

UG (B.E/B.Tech)	660	960	Additional intake in CSE,EEE, ECE, Civil and Mechanical branches
PG(M.E/M.Tech)	105	194	Starting of 4 new PG programs and an additional section in CSE

#### (B) Infrastructure

Built-up area (Sq. Mts.)	45924.43	56505.76	20% increase
--------------------------	----------	----------	--------------

#### (C) Human Resources

a) Faculty			To cater to the needs of additional intake in UG/PG
Faculty with PhD	57	89	
Professors	33	41	
Associate Professors	47	43	
Assistant Professors	134	162	
<b>Faculty (Total)</b>	<b>214</b>	<b>246</b>	
b) Supporting Staff	192	230	
<b>Total (a+b)</b>	<b>406</b>	<b>476</b>	

#### (D) Accreditations/ Recognitions

NBA (B.E/B.Tech)	Yes	Yes
NBA(M.E/M.Tech)	Applied for Five (5) eligible programs, (an amount of Rs. 14.6 lacs towards NBA fee is already paid)	
NAAC-UGC	Yes	Yes
UGC-Autonomous	No	Yes
No of Research Centers (Departments)	03	03 (Application is made to O.U for reorganization of Civil Engineering department also as research Centre. The approval is expected shortly)

#### 4. Transition Rate (After signing of MoU with NPIU)

Particulars of Students	2011-12			2012-13			2013-14			2014-2015		
	No. Appeared	No. Passed	% passed	No. Appeared	No. Passed	% passed	No. Appeared	No. Passed	% passed	No. Appeared	No. Passed	% passed
<b>All</b>	752	478	63.6	861	641	74.5	939	710	<b>75.6</b>	Waiting for results		
<b>SC</b>	74	39	52.7	105	59	56.2	98	64	<b>65.3</b>			
<b>ST</b>	28	12	42.9	40	18	45	36	17	<b>47.2</b>			
<b>OBC</b>	242	167	69	301	197	65.5	315	253	<b>80.3</b>			

#### 5. No. of Placements (After signing of MoU with NPIU)

B.E/B.Tech				
Year	2011-12	2012-13	2013-14	2014-15
No. of Placements	<b>1018</b>	<b>784</b>	<b>1022</b>	<b>1153</b>
M.E/M.Tech				
Year	2011-12	2012-13	2013-14	2014-15
No. of Placements	<b>38</b>	<b>25</b>	<b>45</b>	<b>65</b>

#### 6. Publications by the faculty(After signing of MoU with NPIU)

Year	2011-12	2012-13	2013-2014	2014-2015
No. of Publications Supported by TEQIP (Conferences and Journals)	<b>08</b>	<b>38</b>	<b>64</b>	<b>102</b>

#### 7. No. of programs organized by the departments/institute which are supported by TEQIP

Year	2011-12	2012-13	2013-14	2014-15	Total
<b>In-house Programs to Faculty</b>					
<b>1. FDP</b>	1	0	3	5	9
<b>2. Conferences</b>	-	2	1	1	4
<b>3. Seminars</b>	-	1	2	2	5
<b>4. Workshops</b>	5	6	10	10	31
<b>Training Programs to staff</b>	-	2	4	2	8
<b>Total</b>	<b>6</b>	<b>11</b>	<b>20</b>	<b>20</b>	<b>57</b>
<b>Expert &amp; Guest Lectures</b>					
<b>1. Guest Lectures</b>	-	3	4	13	20
<b>2. Expert Lectures</b>	-	-	8	7	15
Total	-	<b>3</b>	<b>12</b>	<b>20</b>	<b>35</b>
<i>Grand Total</i>	<b>6</b>	<b>14</b>	<b>32</b>	<b>40</b>	<b>92</b>



**8. No. of R&D Projects, FDPs, Seminar Grants sectioned from funding agencies (After signing of MoU with NPIU)**

<b>Amount received Rupees in lakhs</b>				
Year	2011-12	2012-13	2013-2014	2014-2015
For R&D Projects	<b>36.8</b>	<b>20.66</b>	<b>18.91</b>	<b>72.63</b>
For FDPs and Seminar	<b>13.85</b>	<b>-</b>	<b>13.5</b>	<b>4.05</b>

**9. Major achievements in the year 2014-15**

- Satellite Receiver is installed in the institute through the MoU signed with SAC,DST
- Weather Station established in the institute by IITH
- Financial grant of Rs 76.68 Lacs from various funding agencies
- Rated among the best performed institutions by SPFU/NPIU
- Week Magazine (2014) Rating : 57<sup>th</sup> out of Top 129 Engineering Colleges in the country
- Outlook Magazine (2014) Rating : 35<sup>th</sup> out of Top 100 Engineering Colleges in the country

**10. Status of Funds granted under TEQIP-II (SC1.1)**

Installment	Sanctioned Date	Funds Granted - Including Institute Share- (in Rs. In Lacs)	Remarks
1	14.12.2011	<b>40.00</b>	Released
2	10.06.2013	<b>100.00</b>	Released
3	05.11.2014	<b>160.00</b>	Released
	<b>Total</b>	<b>300.00</b>	

Note: 4<sup>th</sup> installment of Rs.100.00 lakhs already sanctioned by NPIU and the Central Government (MHRD)has already released the funds to State Government. We expect to receive the funds from State Government shortly.

**11. Expenditure Status( as on March 2015).**

Expenditure on various heads	Rs.299.19 Lacs
Expenditure in Pipeline	Rs 20.77 Lacs
Balance of project funds which are to be spent before July'2015	Rs. 80.04 Lacs
<b>Total</b>	<b>Rs. 400.00 Lacs</b>

**12. Percentage of allocations on various heads (as approved by GB) and amount spent on TEQIP Activities**

Sr No	Activities	Percentage of allocation for project Activities	Amount in Lakhs			
			Amount of Allocation of funds.	Expenditure Incurred up to 31.03.2015	Expenditure in Pipe Line as on 31.03.2015	Balance Allocation
1	Procurement of services	2	8.00		0	8.00
2	Providing Teaching and Research Assistantships	21	84.00	50.56	4.32	29.12
3	Faculty and Staff Development Programme	21	84.00	49.56	6.8	27.64
4	Enhanced Interaction with Industry	6	24.00	18.27	1.69	4.04
5	Institutional Management Capacity Enhancement	3	12.00	5.16	0.61	6.23
6	Implementation of Institutional Academic Reforms	14	56.00	43.82	-0.4	12.58
7	Academic Support to weak Students	21	92.00	113.48	7.25	-23.83
	Procurement of Soft Components					
8	Incremental Operating Cost	10	40.00	18.34	0.5	21.16
	<b>Total</b>	<b>100</b>	<b>400.00</b>	<b>299.19</b>	<b>20.77</b>	<b>80.04</b>

**13. Status of KPI**

The required KPIs are met and are evidence in the review meeting on 19<sup>th</sup> Feb'2015 conducted by SPFU, Telangana

**14. Establishment of Four(4) funds:**

As per NPIU guidelines all the four funds are established and the required amounts are deposited in the Andhra Bank.

**15. Justification for requesting of additional funds from NPIU/TEQIP :  
(April 2015 to October 2016)**

**i) Providing Teaching and Research Assistantships to increase enrolment in existing and new PG and Research programmes in Engineering disciplines.**

More students with PGECET are taking admission into M.E/M.Tech under A-category as per the state government rules. Extending assistantships to these students requires additional funding. At present The institute is offering M.E/M.Tech in eight(9) specializations among five(5) engineering departments. Allotment of full time Ph.D scholars to the recognized research Centres of the institute by the affiliating university authorities is under active consideration. Institute proposes Assistantships for the balance project period

( Rupees in

Lakhs)

Sl No.	Batch	Details	No. of Scholar Ships	Per month	Estimated Budget per month	Estimated Budget for the year	Remarks
1	2014-2015	P.G. Students	18	Rs.8,000/-	1.44	17.28	For twelve Months
		Ph.D Scholars	3	Rs.18,000/-	0.54	6.48	For twelve Months
2	2016-2017	P.G. Students	18+18=36	Rs.8,000/-	2.88	14.40	For five months
		Ph.D Scholars	3+3=6	Rs.18,000/-	1.08	7.56	For Seven months
<b>Total</b>						<b>45.72</b>	

**ii) Faculty and Staff development for improved competence**

It is proposed to conduct international conferences during December 2015 and October 2016 and the required budget is furnished below. The purpose is to expose the faculty to the international experts in the respective subject domains and the deliberations lead to enhancement in their technical competences. It is also proposed to conduct one week FDP programs by the respective engineering disciplines.

Sl. No	Engineering Departments	Budget Requirement (Rs. Lakhs)
1.	Circuit Branches	<b>15.00</b>
2.	Non-Circuit Branches	<b>15.00</b>
3.	FDP Programs	<b>18.00</b>
4.	International Travel Support	<b>20.00</b>
<b>Total</b>		<b>68.00</b>

**iii) Enhanced interaction with Industry**

The institute is exercising the options for deputing the faculty to the industries for duration of three to six months and inviting the industry people to take-up regular teaching activities for UG/PG students in a semester for at least two days in every week. Encouragement in developing products in collaboration with industries is also under active consideration. The expenditure to be incurred for these activities is furnished below:

Sl. No	Activity	Proposed Budget		Total	Remarks
		2014-2015	2015-2016		
1.	Faculty to Industry (Plan to depute 25-30 faculty before October 2016)	<b>6.0</b>	<b>4.0</b>	<b>10.0</b>	Rs 15,000 per month per faculty.
2.	Industry experts to the institute (Plan to have at least one industry expert to every department.)	<b>4.0</b>	<b>2.0</b>	<b>06.0</b>	Rs 50,000 per month
3	Product Development	<b>9.0</b>	<b>6.0</b>	<b>15.0</b>	
Total		<b>19.0</b>	<b>12.0</b>	<b>31.0</b>	<b>(up to October 2016)</b>

#### iv) Institutional Management Capacity enhancement

To enhance the knowledge of Management Capacity for the senior and middle level faculty of the institute, the faculty has to be deputed. The estimate for the purpose is given below..

Sl. No	Description	Budget Requirement (Rs. Lakhs)	Remarks
1	35Faculty to be deputed	<b>10.00</b>	Senior Faculty will be deputed
2	Professional study tours : Senior administrators	<b>5.00</b>	
Total		<b>15.00</b>	

#### v) Implementation of Institutional reforms

Expenditure for this purpose for different reforms is estimated is given below.

Sl No.	Reform	Budget Requirement (Rs. Lakhs)	Remarks
1	NBA	<b>20.00</b>	Renewal for all UG programs
2	NAAC	<b>10.00</b>	Renewal for the entire institute
3	BoS/Academic Councils	<b>6.00</b>	Till October 2016
4	Research Centre	<b>2.00</b>	For Civil and EEE
5	ISO Certification	<b>2.00</b>	For Recertification
Total		<b>40.00</b>	

#### vi) Academic support to students

It is required to strengthen the infrastructure for QEEE, finishing school activities and supporting student final year hardware projects. The budget estimate for this purpose is given below.

Sl No.	Description	Budget Requirement (Rs. Lakhs)
1	QEEE	<b>10.00</b>
2	Finishing school	<b>10.00</b>
3	Hardware projects/Models	<b>03.00</b>
Total		<b>23.00</b>

**vii) Incremental Operating Cost.**

As proposed in the original IDP, all (four) New PG programs are running in the institute. In addition one more PG program is granted by the respective authorities. All these five programs are running successfully. To support these programs part of the salary of one faculty of each program is proposed in budget from the TEQIP funds and the details are furnished below.

Sl No.	No. of Faculty	Budget Requirement (Rs. Lakhs)	Remarks
1	5	27.60	At the rate of Rs. 34,500 per month per faculty, upto October 2016
<b>Total</b>		<b>27.60</b>	

**Summary**

Sl. No	Category of expenditure	Required Grant/Fund (Rs. Lakhs)	%
1	Assistantships	45.72	15
2	FSD	68.00	30
3	I-I-I- Cells	31.00	14
4	Capacity development	15.00	05
5	Reforms	40.00	13
6	Student support	23.00	11
7	IOC	27.60	12
<b>Total</b>		<b>250.32</b>	<b>100</b>

**16. Achievements as on 31<sup>st</sup> March, 2015 with reference to the IDP submitted in 2010**

**Strategic Plan**

S.No.	Strategy	Action plan proposed as per IDP submitted in 2010	Achieved As on Mar'2015
1.	Scaling up of teaching quality in engineering disciplines	<ul style="list-style-type: none"> <li>a. Depute 10 faculty every year to carry out research</li> <li>b. 8 faculty members will be deputed to industry</li> <li>c. 22 faculty each year will be deputed to QIPs</li> </ul>	<ul style="list-style-type: none"> <li>a. 30 faculty pursuing their research to obtain Ph.D.</li> <li>b. Faculty members of Core departments are deputed up on Nomination Basis.</li> <li>c. In the 3<sup>rd</sup>GB meeting it is decided to depute faculty under QIP to IITs and NITs.</li> </ul>

2.	Offer demand driven courses to have comprehensive programmes in the campus	To start 4 new P.G. programmes 1. M.E. in Thermal Engg 2. M.E. in Earthquake Engg., 3. M.E. in Embedded & VLSI Design 4. M.Tech in Biotechnology	Following 4 new P.G. programmes were started 1. M.E. in Thermal Engg 2. M.E. in Earthquake Engg., 3. M.E. in Embedded & VLSI Design 4. M.Tech (CSE) additional section started with an intake of 18 students in place of M.Tech in Biotechnology In addition to the above 4 M.E./M.Tech programs M.Tech (CNIT) was also started with an intake of 18 students
3.	Offer research grants to strengthen research base of faculty	Budget allocation to 8 minor research projects every year through R & D cell of the institute.	Rs.100.00 Lakhs Budget Allocated by GB.  And an amount of Rs.40,000/- per proposal will be provided as assistance based on R & D Committee recommendations.
4.	To strengthen the quality of technical staff of the institute	Depute 10% every year to improve technical skills	1. 4 Training programs conducted by CBIT 2. 8 technical Staff were deputed to attend training programs in other Institutes
5.	To strengthen the quality of industry-institution interaction	1. Invite industry experts to interact with the students. 2. Every semester one industry - institution interaction session 3. Every semester interaction with 4 experts.	1. 15 Expert Lectures were Organized with Eminent Industrialists 2. Two Institute Industry Interaction Meets Conducted with 48 Local Industrialists. 3. Interaction with experts was conducted by Departments individually
6.	To strengthen the value added services to the students	a. Establish communication club (Communicando) b. Cultural club c. Innovation club d. Training & Placement cell e. Personality development Centre f. 6. IEEE, ISME, ISTE student chapters	a. A subject on “Communication & Employability skills” was introduced in the curriculum and made mandatory to every student. b. Personality development and other Career Enhancement skills programs were conducted before the campus placement drives.
7.	To train senior faculty, administrators and Board of Management members in latest developments at national and international arena.	Depute 4 members each year to National / International programs in Administration	As of now 16 senior functionaries have attended Administrative Programs held at ISB, Hyderabad IIM Indore and ESCI etc..

**Specific objectives and expected results:** The institute identified the following important objectives to strengthen the institute, quality improvement in faculty, research activities and improvements in employability.

S.No.	Objectives	Action Plan with expected results (as per IDP submitted in 2010)	Achievement As on 31 <sup>st</sup> March'2015
1.	To train the faculty and staff in imparting quality technical education	a. Depute young faculty members to orientation and refresher courses. b. To enhance the higher educational qualification of the faculty. c. Continuous training through in-house training Centre. d. Offer better technical training to the staff. e. Improve behavioral skills for the administrative and general staff.	a. 24 Faculty deputed to orientation and refresher courses b. 30 Faculty were assisted to pursue higher educational qualification c. 49 in-house FDP events conducted for faculty and 4 programs conducted for Technical Staff. d. 7 Technical staff were assisted for Short term courses/Training Programs e. 4 programs were conducted for administrative and Non-Technical staff.
2.	To improve the employability and better openings to the students	a. Offer soft skills to students regularly b. Offer Motivational lectures c. Guest lectures through industry experts d. Practical exposure to students through industrial visits and tours. e. To provide internships.	a. Communication & Employability skills within the curriculum and made mandatory to every student. b. Personality development and other Career Enhancement skills programs were conducted annually before the campus placement drives. c. 35 expert lectures conducted after signing MOU d. Industrial visits and tours are undertaken during 3 <sup>rd</sup> year Semester Break. e. Several students were assisted for internships at BHEL, Microsoft etc.
3.	To create better infrastructural facilities in the campus	a. Improve the library with latest resources b. Special effort will be made to e-sourcing c. Modernize the existing laboratories. d. Removal of obsolescence e. Augment latest equipment	a. Students are encouraged to use e-learning resources b. Rs.44.00 lakhs of subscriptions made by CBIT for e-Journal and e-Magazines c. A total Rs.120.00 lakhs of Software procured in different departments.
4.	To offer market driven P.G. programmes	Proposed new PG programs 1. M.E. in Thermal Engg 2. M.E. in Earthquake Engg., 3. M.E. in Embedded & VLSI Design 4. M.Tech in Biotechnology	Following 4 new P.G. programmes were started 1. M.E. in Thermal Engg 2. M.E. in Earthquake Engg., 3. M.E. in Embedded & VLSI Design 4. M.Tech (CSE) additional section started with an intake of 18 students in place of M.Tech in Biotechnology  In addition to the above 4 M.E./M.Tech programs, M.Tech (CNIT) was also started an intake of 18 students

5.	To strengthen the research activities in the campus	<ul style="list-style-type: none"> <li>a. Encourage faculty to enroll for Doctoral degrees.</li> <li>b. Offer minor research projects to faculty.</li> <li>c. Facilitate the faculty to submit as many research projects as possible in advanced fields.</li> <li>d. To strengthen R&amp;D cell.</li> <li>e. Offer special incentives and other facilities to the faculty to do research.</li> </ul>	<ul style="list-style-type: none"> <li>a. 30 faculty pursuing their research to obtain Ph.D.</li> <li>b. An amount of Rs.40,000/- per proposal will be provided as assistance as per the of R &amp; D Committee recommendations.</li> <li>c. 10 faculty submitted research projects in advanced fields for obtaining Ph.D</li> <li>d. Rs.100.00 lakhs budget allocated to strengthen R&amp;D cell.</li> <li>e. Institute has developed a separate document on R &amp; D Activities.</li> </ul>
6.	To offer equitable opportunities and better facilities to the less privileged sections of the students	<ul style="list-style-type: none"> <li>a. Offer remedial lectures to weak Students.</li> <li>b. Appoint mentors to improve the weak students' performance</li> <li>c. Career, planning and counseling.</li> </ul>	<ul style="list-style-type: none"> <li>a. Remedial classes were conducted to weak students after diagnostic test/ MID Semester examinations in every semester.</li> <li>b. Mentoring the students as and when required.</li> <li>c. Training and Placement cell established for Career planning and counseling.</li> </ul>
7.	To offer value added courses from time to time	<ul style="list-style-type: none"> <li>a. Offer short term courses based on the needs of the market</li> <li>b. Offer Multidisciplinary courses to have overall development of the students.</li> </ul>	<ul style="list-style-type: none"> <li>a. Value added courses are added with the curriculum and Lab course on Communication &amp; Employability Enhancement skill introduced in the curriculum.</li> <li>b. Multidisciplinary training Program is been conducted to every student before the campus placement drive.</li> </ul>

**To realize the above stated objectives Action Plan is prepared for the following seven important activities:**

Sl. No.	Activities	Action proposed as per IDP submitted in 2010	Achievement As on 31 <sup>st</sup> March'2015
1.	To train students in language skills	Establish language labs	English proficiency Course has been conducted to 1/4 BE/B.Tech year rural background students
2.	To develop communication skills	Regular classes on communication skills	Communication and Employability skills lab course introduced in the curriculum and mandatory for every student
3.	To develop technical skills	Offer practical orientation on domain knowledge	Infosys Campus Connect programme enables students to hone their soft skills to meet the industry needs
4.	Offer remedial classes	Conduct regular classes for weak students	Academic Support to Weak Students activities also extended to 2nd, 3rd and 4th year students.



5.	Regular guest lectures	Expert lectures on the changes related to academics	Apart from lectures organized by the departments, 15 expert lectures are organized with eminent industrialists.
6.	Establish number of clubs to give various dimensions in learning	Encourage the students to participate in various clubs of the institute	Various clubs are active in the campus 1. Communicando 2. Robotics 3. Toast Master 4. Cultural activities 5. Innovation club 6. SAE/ASME/IEEE

a) **Increased learning outcomes of the students:** By implementing new and additional courses, the students will be able to grasp latest developments in their respective fields. With the help of no. of activities proposed in improving employability of the students, it is sure to have the following learning outcomes for the institute

S.No.	Learning outcomes of the students
1.	Better placements with higher packages
2.	Better quality output
3.	Comprehensive Technical knowledge of the respective fields
4.	Suitable to the changing demands of the society
5.	Better understanding of the society

b) **Obtaining autonomous institution status within 2 years:**

S.No.	Objectives	Action Plan (As per IDP submitted in 2010)	Achievement As on 31 <sup>st</sup> March'2015
1.	To initiate steps to get autonomous status	<ul style="list-style-type: none"> <li>As the first step, the Institute is proposed to get No Objection Certificate from O.U. to go for Autonomous Status.</li> <li>The first step is already achieved. Now the revised application is being submitted to UGC for Autonomous Status.</li> <li>The Institute is confident to get Autonomous Status within 18 months.</li> </ul>	<b>Autonomous status granted by UGC for a period of 6 years i.e., From 2013-14 to 2018-19</b>  <b>Vide</b> <b>File No. 22-1/2013(AC) dated 22/05/2013</b>

**c. Achieving the target of 60% of the eligible UG and PG programs:**

Status as on March'2015 :Institute has achieved the above target

**d. Implementation of academic and non-academic reforms:**

<b>Academic Reforms</b>			
<b>S.No.</b>	<b>Activities</b>	<b>Action Plan (As per IDP submitted in 2010)</b>	<b>Achievement As on 31<sup>st</sup> March'2015</b>
1.	Admission of students based on merit as per State/GoI Admission Policy (as applicable) on common entrance examination, counseling, and reservation	Presently following State Admission Policy for 70% (Category A) seats.  Remaining 30% (Category B) seats filled on merit basis	Same student Admission Policy(as applicable) is being followed (Based on State Govt./GoI Rules.
2.	Determine own curricula, course content, curricula implementation and methods of training	Once the institute gets autonomy, curriculum and contents will be developed suitable to the market.	Syllabus for 1/4 and 2/4 B.E/B.Tech and M.E/M.Tech is framed and 3/4 B.E/B.Tech syllabus is under preparation by Department-wise BoS committees Under Autonomous Status.
3.	Introduce flexibility in the curriculum with choice of electives	Flexibility in curriculum will be followed with offering of electives based on choice.	It is Proposed to include Four (04) electives for B.E/B.Tech
4.	Evolve new methods of summative evaluation and their frequency, conducting examinations and declaring results	Continuous evaluation will be followed.	Slip Tests are introduced to evaluate student performance
5.	Develop new methods of formative and internal evaluation as per advice from Experts	Internal evaluation systems being followed. Henceforth, experts opinion will be considered to follow internal evaluation system,	Grading system is adopted as per UGC/AICTE guidelines.
6.	Add value addition courses as per market demand	Added value course Personality development, Communication skills, Language labs to develop foreign languages etc.	“Communication & Employability enhancement skills”, is made mandatory for every student. English Language labs are also

			added in the curriculum
7.	Develop an effective system for faculty evaluation by students	360 degrees evaluation system will be evolved and followed.	Grading system is adopted
8.	Start new courses, new programmes and re-orient, restructure or delete existing programmes (these actions, if undertaken under the Project, will need to observe project directives as given in the main text of PIP)	Market driven programmes will be offered	New courses were started as stated in the earlier IDP
9.	Introduce innovations in teaching/learning processes through controlled experimentation.	Teaching learning process will be followed through micro teaching methodology.	Innovative Teaching Methodologies are adopted.
10.	Depute faculty for academic advancement	Every semester it is decided to depute 22 faculty members will be deputed to various training programmes.	51 faculty members were deputed to various training programmes/short term courses
11.	Develop faculty training needs assessment scheme in line with academic requirements and institutional objectives	To grant 10 research fellowships to faculty to improve their research capabilities. To depute 22 faculty to QIPs	30 faculty carrying out their research to obtain Ph.D.  QIP will be active from this year 2015-2016
12.	Inviting experts including Industry experts for special lectures	As decided, every semester, there will be 4 guest lectures in every department.	15 Guest lectures by eminent Industrial personalities were conducted after signing MoU with SPFU
13.	Promotion policy	The institute has laid down procedures as per AICTE norms	Same procedures are in force.

<b>Non-academic reforms</b>			
<b>S.No.</b>	<b>Activities</b>	<b>Action Plan (As per IDP submitted in 2010)</b>	<b>Achievement As on 31<sup>st</sup> March'2015</b>
1.	Administrative reforms a. Administrative autonomy of the Principal b. Autonomy of the Heads	Principal is authorized to carryout the continuing educational programmes in consultation with the GB  Heads of the various departments are authorized to recommend the faculty to depute to various technical programmes	GB resolved and authorized to carryout the following by Principal: Apply and Renew of Accreditations, Affiliation for offered courses, Obtaining Autonomous status setting up new courses etc. HODs are authorized to recommend to faculty to attend various FDP events and Conduct in-house Faculty and staff development programs.
2.	Financial autonomy	The GB has unanimously passed a resolution to give financial powers upto Rs.50.00 lakhs to the principal as a single purchase order	It is in force
3.	Establishment of funds	The GB passed a resolution to have  Corpus fund Faculty Development Fund Equipment Replacement Fund and Maintenance Fund.	It resolved in GB Meeting held on 25.04.2011 to Establish Four Fund Accounts in Andhra Bank, Kokapet Branch and the present Balance in these fund Accounts are given below: a. Corpus fund : Rs.21.97 Lakhs b. Faculty Development Fund Rs.22.47 Lakhs c. Equipment Replacement Fund Rs.21.97 Lakhs d. Maintenance Fund. Rs.21.97 Lakhs
4.	Managerial autonomy	The GB has authorized the principal to manage the affairs of the institute with sufficient freedom and set procedures for every activity to have accountability.  To Assist the Head of the institution, various committees have been set up wherein faculty, students and other stakeholders meet regularly to suggest.	GB Meeting held on 25.04.2011 it is resolved the PRINCIPAL is authorized to manage the affairs and set procedures.  GB authorized the Principal to constitute/recast various committees in the meeting held on 25.04.2011
5.	Depute faculty to industry	Depute 8 faculty members every year to various industries	Faculty of Coredepartments are deputed as per Nomination Basis with the concern HOD recommendations.

f) **Improving interaction with industry:**

<b>S.No.</b>	<b>Objectives</b>	<b>Action plan (As per IDP submitted in 2010)</b>	<b>Achievement As on 31<sup>st</sup> March'2015</b>
1.	To identify and conduct interactive lectures with the faculty and the students.	4 guest lectures in a subject in each semester in each department. Total 120 guest lectures will be organized	15 Guest lectures were organized with eminent Industrial personalities.
2.	To invite industry experts to interact with the students	Nearly 8 student interaction sessions with the industry experts. 60 staff members will visit industry to have practical exposure 9 Experts from industry will be involved in curriculum development to update the same.	CII Andhra Pradesh organized Industrial visits for Faculty & Staff Visits upon signing MoU with State Govt. Departmental BOS committees are constituted with 2 experts from industry
3.	To organize industrial visits and Tours.	Once in a semester, 1 industrial visit will be organized. Every department will conduct one industrial tour in a year.	Department wise industrial visits/tours are conducted in the semester break by concerned HODs.
4.	To identify and appoint industry experts as visiting faculty	Appoint at least one industry expert as visiting faculty in each department in each semester. Conduct review of curriculum once in a semester to incorporate in the existing curriculum.	Department BOS committees constituted with 1 or 2 experts from industry

**g) Enhancement of research and consultancy activities:**

<b>S.No.</b>	<b>Objectives</b>	<b>Action plan (As per IDP submitted in 2010)</b>	<b>Achievement As on 31<sup>st</sup> March'2015</b>
1.	Establish separate R&D centre with fund allocation	Separate R&D Building  Research fund is created to allocate to the minor research projects.  Separate coordinator is appointed to monitor the research activities.	A Separate R&D Building is under Construction Rs.100.00 Lakhs Budget allocated by GB. To monitor the research activities Dean, R & D is appointed
2.	Modernize the existing labs	Proposals will be invited from the respective departments to acquire new equipment for removal of obsolescence	Rs.120.00 lakhs of Software procured through PMSS
3.	Identify and prepare the institute to offer consultancy services	Separate Consultancy cell is being established.  Priorities have been identified ex. mechanical, civil and electronics.	Efforts are made to establish Separate Consultancy cell  Mechanical, CSE and ECE departments were recognized as Research centers.
4.	Establish new labs	Four new labs will be established to strengthen the academic programmes.	New PG Labs are established and strengthened with latest application software.
5.	Motivate P.G students to associate with research projects	Senior faculty members are advised to take the P.G students to associate in research activities.	Professors and Assoc. Professors are guiding PG students in innovative projects and to publish & Present Papers in International/National Journals and conferences

Provide an action plan for organizing a Finishing School and for improving the academic performance of SC/ST/OBC/academically weak students through innovative methods, such as remedial and skill development

ntclassesforincreasingthe transition rateandpassratewiththeobjectiveof improving theiremployability

S.No.	Activities	Action Plans (As per IDP submitted in 2010)	Achievement As on 31 <sup>st</sup> March'2015
1.	Identification of weak students	a. The following criteria will be followed to identify weak students and generate opinion for their plight. b. Identify the failure rate, reasons, actions. c. Low percentage of marks, reasons and opinions. d. Low involvement in learning process and reasons.	a. Conducting slip tests after 3 weeks of instruction in each subject in each semester and on immediate evaluation students who secured less than 50% are considered as weak students. b. Assessing the attitude of the student through counseling and mentoring. c. Analyzing previous academic performance of student. d. Continuous monitoring of the attendance of every student.
2.	Identification of steps to improve the performance	1 <sup>st</sup> year-general orientation. 2 <sup>nd</sup> year-language skills, communications skills 3 <sup>rd</sup> year-career plans with face to face interaction. 4 <sup>th</sup> year- Prepare the student for placements.	Conducting Orientation Program at the time of 1 <sup>st</sup> year admissions. Communication skills & Employability enhancement skill are made mandatory for every student. English Language labs are added in the curriculum
3.	Career planning and placements	Motivational training in career planning and placements.  Semester-wise improvements.  Special focus on language problems of students from rural areas	Training and Placement cell is established for Career planning and training the students for placements. Performance of every student in each subject was measured while analyzing previous academic results. English Proficiency Programs are conducted to overcome language problems of students who are from rural background.
4.	Monitoring academic progress	Semester-wise academic monitoring. Identify the weaknesses and take steps to overcome them. Remedial orientations will be followed.	Semester-wise academic monitoring is carried outwithfrequent meetings of attendance committee Slip tests are conductedafter 3 weeks of instruction in each subject in every semester and on immediate evaluation of students who secured less than 50% are considered as weak students. Remedial classes will be conducted before the end exams.
5.	Face to face interaction with the students	Regular interaction at individual level at the end of every semester.	Students are liberal to interact with their course coordinator and Head of the department and student progress report posted to their parents.
6.	Appointing mentors	One mentor is identified for every 8 weak students	Student mentoring process was already adopted and it is continuing

**Other achievements of the project**

S.No.	Activities	Outcome of the projects	Achievement
-------	------------	-------------------------	-------------

		(As per IDP submitted in 2010)	As on 31 <sup>st</sup> March'2015
1.	At the end of the project, faculty will get trained in their respective areas of specialization. This will benefit the faculty as well as the institute in terms of quality teaching.	A. 120 assistant professors will get trained in orientation, refreshing their knowledge B. 54 Associate professors will get special training either in the domain knowledge or in research areas. C. Senior professors will also get better exposure in administration and management.	A. 24 Faculty were deputed to orientation/refresher courses and 103 Faculty were deputed to Workshops, Seminars and Conferences B. 49 In-house Conferences, FDP/Workshops were conducted for faculty. C. 16 Senior Professors were deputed for Management Capacity Enhancement Programs
2.	Staff will get trained in various fields and in turn help the institute to impart better technical knowledge.	At the end of the project, all technical, administrative and supporting staff will get trained in their respective fields. This will enhance the quality of learning outcome.	4 programs conducted for Technical Staff and 4 Programs conducted for administrative and general Staff. 7 staff members assisted for Short term courses/Workshop.
3.	The students employability	Better employable students with a higher pay package in renowned organizations. Students will become responsible members in the society. Sustainable personality development centre	Infosys Campus Connect programme enables students to hone their soft skills to meet the industry needs
4.	Effective industry-institution interaction	40 industry institute interaction programmes  The quality of curriculum will become more industry oriented.  Link between industry & institution will become very effective.	CII-Hyderabad organized Industrial visits for Faculty & Staff Visits upon signing MoU with State Govt. 2 workshops have been organized in Association with DRDO.  Department BOS committees are constituted with 1 or 2 experts from industry as members.



5.	Organize seminars/workshops/conferences etc.	In a period of 4 years the institute will be able to organize 70 Conferences, seminars/workshops	49 In-house FDP/Workshop events were conducted for faculty which also includes 4 programs conducted for Technical Staff and 4 programs for administrative and General staff.
6.	Higher qualification of the staff.	In 4 years time, atleast 24 faculty will become Post Graduates and 20 candidates will get Ph.D degrees.	As of now out of 246 faculty 89 faculty are Ph.D holders and 153 faculty are M.Tech Qualified.
7.	Management capacity of Board of Governors	GB members will enhance their knowledge with national and international exposure. At least 10 GB members will get trained in running the institute with better administrative skills.	8 GB members have attended training program/Workshop on Good Governance.
8.	The institute will be able to start market driven programmes	4 New programmes. M.Tech courses in Electronics, Mechanical, Earth Quake Engineering, and Biotechnology.	Following 4 new P.G. programmes were started 1. M.E. in Thermal Engg 2. M.E. in Earthquake Engg., 3. M.E. in Embedded & VLSI Design 4. M.Tech (CSE) additional section started with an intake of 18 students in place of M.Tech in Biotechnology In addition to the above 4 M.E./M.Tech programs M.Tech (CNIT) was also started with an intake of 18 students

**Improvement in faculty qualifications:**

<b>S.No.</b>	<b>Activities</b>	<b>Action Plan (As per IDP submitted in 2010)</b>	<b>Achievement As on 31<sup>st</sup> March'2015</b>
1	Depute faculty	At least 6 candidates will be deputed to various P.G programmes every year.	4 faculty deputed to PG Programs
2.	Improvement in Research qualifications	Every year atleast 5 faculty members will be given opportunity to enhance their Doctoral qualification by giving financial and non-financial assistance.	Course fee reimbursed for 30 faculty for Ph.D admission. For 10 faculty, assistance was given for Thesis submission.

**Improving research capabilities:**

<b>S.No.</b>	<b>Activities</b>	<b>Action Plans (As per IDP submitted in 2010)</b>	<b>Achievement As on 31<sup>st</sup> March'2015</b>
1.	Doctoral qualifications	At least 5 faculty members will be allowed to get registered for Ph.Ds	Course fee reimbursed for 30 faculty for Ph.D admission.
2.	Recognition for research guidance	Efforts are already being made to recognize the faculty of the institute as research guides.	14 faculty are recognized as research supervisors by Osmania University.
3.	MOUs with institutions	To improve the research activities in the institute, efforts will be made to improve the MOUs with various national and international research organizations and laboratories.	32 MoUs' signed with various International & National Institutes, MNCs and Laboratories

**Training Domains for Various Categories of Staff:** The institute is having three categories of non-teaching staff. They are Administrative staff who are actively involved in facilitating faculty as well as non-teaching staff-appointments, admissions, accounts, services conditions, examinations etc. Second category is Technical staff working with the respective departments in labs who are directly involved in interacting with the students. The third category is basic staff who are the facilitators like attenders and other maintenance staff. They need different kinds of training for smooth functioning of the Institute.

<b>S.No</b>	<b>Nature of staff</b>	<b>Action Plan (As per IDP submitted in 2010)</b>	<b>Achievement As on 31<sup>st</sup> March'2015</b>
1.	Administrative staff	General personality development, interpersonal skills, motivational lectures, improving skills in conducting examinations, improvement in accounting practices etc.	4 Training Programs/ workshops conducted for administrative staff and 5 staff are deputed for training Programs/ Workshop/ Short term Courses.
2.	Technical Staff	Overall personality development, domain knowledge, demonstrative skills, latest developments in their respective labs and laboratories, Advanced learning in their relevant occupational areas, other felt-needs.	4 Training Programs/ workshop conducted for Technical Staff and 7 Staff attended Training programs/short term courses, workshops etc.,

**2.9 Describe the relevance and coherence of Institutional Development Proposal with State's/National (incaseofCFIs)Industrial / EconomicDevelopmentPlan:**

-Not applicable-