THE TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME EXPERIENCE

A CASE STUDY

ON

TEQIP MCEP EFFECTIVENESS & TEQIP IMPACT

DEVELOPED BY

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INDIAN INSTITUTE OF MANAGEMENT TIRUCHIRAPPALLI

In collaboration with the participating case institution

[Section 1 to 3 by case institution; Section 4 to 6 by IIM Trichy Team]

CASE INSTITUTION – JNTU COLLEGE OF ENGINEERING

1. **INTRODUCTION TO INSTITUTE**

The College was established as Nagarjuna Sagar Engineering College in 1965 by the Government of Andhra Pradesh. When the college was under the administrative control of the Department of Technical Education, it was affiliated to Osmania University, Hyderabad. With the formation of Jawaharlal Nehru Technological University on 2nd October 1972, it became a constituent college of the University and was later renamed as JNTU College of Engineering, Hyderabad. From its inception in 1965 to 1984, the College was located at Masab Tank Campus. In 1984, the College was shifted to its permanent location at Kukatpally, about 20 km from the heart of the City, on Bombay National Highway (NH-9).

The activities of the college are supported by the budgetary allocation from the University funds. Specific grants from different funding agencies like UGC, MHRD, AICTE, DST are also sought from time to time for the development of the college. The College has purchased modern and sophisticated equipment worth about 20 crores from the research and development grants received from MHRD, AICTE, DST and TEQIP (A World Bank-aided Project). The college celebrated its Silver Jubilee in 1990.

The infrastructure development in the past two decades in the college has been substantial. After shifting to the new campus in 1984, the Civil and Mechanical Engineering block and Hostel blocks for boys and girls were added. Subsequently Computer Science and Engineering, Metallurgical Engineering, Electrical & Electronics Engineering, separate Civil Engineering, Electronics & Communication Engineering and Library blocks were constructed. The college library consists of nearly 61,414 books, and about 126 Journals and 4000 on-line journals. It also subscribes to 50 Journals every year.

The Industrial Consultancy Unit of the college is very active in offering the expertise of the staff in various fields like Structural Engineering Geotechnical Engineering Survey, Electrical Engineering and Mechanical Engineering. Almost all departments have Computers to carry out Computer Laboratories, Projects, Research and Development work. The systems include Pentiums and work stations. Some departments have very powerful computer systems to carry out special purpose works. A 24x7 Centralized Computer Centre, having biometric entry, has been established which is open to students and staff rounds the clock on all days including holidays. Important softwares of all the departments are housed in it and can be accessed by the students and staff.

The college presently has 5 hostel blocks namely Manjeera & Kinnera (for boys) and Saraswati, Kamala Nehru & Gayathri (for Girls). The college provides hostel facilities for about 820 boys and 725 girls. Other facilities in the campus include a bank, Post office, Hospital, Canteen, play fields along with a pavilion etc. are available. The college has NCC (National Cadet Corps) and NSS (National Service Scheme) units. Almost 100% of our college students are getting employment through campus placements.

VISION

To be recognized as one of the top 10 institutes in the country offering Quality technical education, sustaining and improving its repute of Quality UG programmes, expanding and enhancing need based and quality PG and research programmes with global outlook, synergizing teaching and research for societal relevance.

MISSION

To identify technological advancements and build the right level of skills at the right time contributing to the industrial and national growth To identify and keep abreast with the state of the art technology maintaining its legacy of striving for excellence in higher education. To promote world class research of local relevance to society with a research community of professors, research fellows and research centers, expand the scale, quality and multidisciplinary character of its research activities. With a global outlook strive for collaborations to network with International Universities and National Institutes of Research and Higher Learning.

PROGRAMMES

S. No.	Branch	Name of the course
1	B.Tech. (Regular)	Civil Engineering
2	B.Tech. (Regular)	Electrical & Electronics Engineering
3	B.Tech. (Regular)	Mechanical Engineering
4	B.Tech. (Regular)	Electronics & Communication Engg.
5	B.Tech. (Regular)	Computer Science & Engineering.
6	B.Tech. (Regular)	Metallurgical Engineering
7	B.Tech. (Regular)	Chemical Engineering
8	5 Yrs B.Tech.+M.Tech.(Reg)	Civil Engineering
9	5 Yrs B.Tech.+M.Tech.(Reg)	Electrical & Electronics Engineering
10	5 Yrs B.Tech.+M.Tech.(Reg)	Mechanical Engineering
11	5 Yrs B.Tech.+M.Tech.(Reg)	Electronics & Communication Engg.
12	5 Yrs B.Tech.+M.Tech.(Reg)	Computer Science & Engineering.
13	5 Yrs B.Tech.+M.B.A (Reg)	Civil Engineering
14	5 Yrs B.Tech.+M.B.A (Reg)	Electrical & Electronics Engineering

15	5 Yrs B.Tech.+M.B.A (Reg)	Mechanical Engineering
16	5 Yrs B.Tech.+M.B.A (Reg)	Electronics & Communication Engg.
17	5 Yrs B.Tech.+M.B.A (Reg)	Computer Science & Engineering.
18	IDDMP	Structural Mechanical Engineering
19	IDDMP	Telecommunication Systems
20	IDDMP	Signal Processing
21	IDDMP	Radio Communications
22	IDDMP	Computer Science & Engineering.
23	IDDMP	Software Engg.
24	IIDDMP	Civil Engineering
25	IIDDMP	Electrical & Electronics Engineering
26	IIDDMP	Electronics & Communication Engg.
27	IIDDMP	Computer Science & Engineering.
28	IIDDAPLP	Aviation Engineering
29	M.Tech. (Reg) CIVIL	Structural Engineering
30	M.Tech. (Reg) CIVIL	Transportation Engineering
31	M.Tech. (Reg) CIVIL	Infrastructure Engineering
32	M.Tech. (Reg) CIVIL	Geo-Tech. Engineering
33	M.Tech. (Reg) CIVIL	Urban Transportation Engineering
34	M.Tech. (Reg) EEE	Power Electronis
35	M.Tech. (Reg) EEE	Electrical Power Engineering
36	M.Tech. (Reg) Mech. Engg.	Advanced Manufacturing Systems
37	M.Tech. (Reg) Mech. Engg.	Thermal Engineering
38	M.Tech. (Reg) Mech. Engg.	Engineering Design
39	M.Tech. (Reg) ECE	Digital Systems&Computer Electronics
40	M.Tech. (Reg) ECE	Systems & Signal Processing
41	M.Tech. (Reg) ECE	Embedded Systems

42	M.Tech. (Reg) CSE	Computer Science
43	M.Tech. (Reg) CSE	Computer Science & Information Engg.
44	M.Tech. (Reg) Mett	Metallurgy
45	M.Tech. (Reg)	Energy Systems
46	M.Sc. (Reg) Mathematics	Sys. Theory and Computer Modeling
47	M.Sc. (Reg) Mathematics	Applied Mathematics
48	M.Sc. (Reg) Chemistry)	Organic Chemistry
49	M.Tech.	Mechatronics
50	Computer Science & Engg.	MCA
51	M.Tech. (PTPG) Civil	Structural Engg.
52	M.Tech. (PTPG) Civil	Transportation Engg.
53	M.Tech. (PTPG) EEE	Electrical Power Engg.
54	M.Tech. (PTPG) EEE	PE & ID
55	M.Tech. (PTPG) Mech. Engg.	Advanced Manufacturing Systems
56	M.Tech. (PTPG) Mech. Engg.	Thermal Engg.
57	M.Tech. (PTPG) Mech. Engg.	Engineering Design
58	M.Tech. (PTPG) ECE	Systems & Signal Processing
59	M.Tech. (PTPG) CSE	Computer Science
60	M.Tech. (PTPG) .	Industrial Metallurgy

IDP (B.Tech. + M.Tech. / MBA) - Integrated Dual Degree Programme

IDDMP (B.Tech. + M.Tech. & MS)– Integrated Double Degree Masters Programme in collaboration with BTH, Sweden.

IIDDMP (B.Tech. + M.Tech. & MS)– International Integrated Double Degree Masters Programme in collaboration with AIT, Bangkok.

IIDDAPLP : B. Tech in Aviation Engineering & A.S.S Professional Pilot Degree and FAA certified Pilot Licenses by USA

International students admitted during the academic year 2015-16:

B.Tech.	- 22	
IDP (5 year integrated programme)	- 05	
M.Tech.	- 04	
	Total	31

List of Recent Programmes Introduced in (UG and PG)

S. No	Branch	Name of the course	Year of Introduced
1	Design Engineering	M.Tech. (Regular), Mechanical Engg.	2011
2	Embedded Systems	M.Tech(Regular),ECE Dept	2011
3	Urban Transpentation	M.Tech. (Regular),Civil Engg	2012
4	Material Technology Engineering	M.Tech. (Regular), Metallurgical Engg.	2013
5	Chemical Engineering	B.Tech. (Regular)	2014
6	Computer Science and Information Engineering	M.Tech. (Regular), CSE Dept	2014

STUDENTS

Students List of Students Enrolment in different Programmes (Last Five Years)

S. No.	Branch	Name of the course	2011-12 (5th Yr)	2012-13 (4th Yr)	2013-14 (3rd Yr)	2014-15 (2nd Yr)	2015-16 (1st yr)	Total
1	B.Tech. (Regular)	Civil Engineering	--	62	80	82	64	288
2	B.Tech. (Regular)	Electrical & Electronics Engineering	--	58	73	71	55	257

3	B.Tech. (Regular)	Mechanical Engineering	--	58	73	74	57	262
4	B.Tech. (Regular)	Electronics & Communication Engg.	--	52	75	73	58	258
5	B.Tech. (Regular)	Computer Science & Engineering.	--	54	78	77	61	270
6	B.Tech. (Regular)	Metallurgical Engineering	--	50	62	66	58	236
7	B.Tech. (Regular)	Chemical Engineering	--	0	0	59	53	112
	Total		--	334	441	502	406	1683
8	5 Yrs B.Tech.+M.Tech.(Reg)	Civil Engineering	17	18	18	17	17	87
9	5 Yrs B.Tech.+M.Tech.(Reg)	Electrical & Electronics Engineering	18	18	18	16	15	85
10	5 Yrs B.Tech.+M.Tech.(Reg)	Mechanical Engineering	17	18	19	20	17	91
11	5 Yrs B.Tech.+M.Tech.(Reg)	Electronics & Communication Engg.	20	18	18	19	18	93
12	5 Yrs B.Tech.+M.Tech.(Reg)	Computer Science & Engineering.	18	15	17	20	19	89
	Total		90	87	90	92	86	445
13	5 Yrs B.Tech.+M.B.A (Reg)	Civil Engineering	11	12	12	11	10	56
14	5 Yrs B.Tech.+M.B.A (Reg)	Electrical & Electronics Engineering	11	10	12	9	14	56
15	5 Yrs B.Tech.+M.B.A (Reg)	Mechanical Engineering	12	12	11	11	12	58

16	5 Yrs B.Tech.+M.B.A (Reg)	Electronics & Communication Engg.	13	11	12	12	11	59
17	5 Yrs B.Tech.+M.B.A (Reg)	Computer Science & Engineering.	12	12	11	12	10	57
	Total		59	57	58	55	57	286
18	IDDMP	Structural Mechanical Engineering	19	20	13	0	0	52
19	IDDMP	Telecommunication Systems	20	20	16	0	25	81
20	IDDMP	Signal Processing	10	10	5	0	0	25
21	IDDMP	Radio Communications	9	10	1	0	0	20
22	IDDMP	Computer Science & Engineering.	15	14	11	13	14	67
23	IDDMP	Software Engg.	14	14	11	12	15	66
	Total		87	88	57	25	54	311
24	IIDDMP	Civil Engineering	--	28	37	0	0	65
25	IIDDMP	Electrical & Electronics Engineering	--	6	30	0	0	36
26	IIDDMP	Electronics & Communication Engg.	--	50	42	0	0	92
27	IIDDMP	Computer Science & Engineering.	--	28	42	20	5	95
28	IIDDAPLP	Aviation Engineering	--	6	4	1	0	11
			--	118	155	21	5	299

						2014-15 (2nd Yr)	2015-16 (1st yr)	Total
29	M.Tech. (Reg) CIVIL	Structural Engineering	--	--	--	27	23	50
30	M.Tech. (Reg) CIVIL	Transportation Engineering	--	--	--	27	20	47
31	M.Tech. (Reg) CIVIL	Infrastructure Engineering	--	--	--	23	0	23
32	M.Tech. (Reg) CIVIL	Geo-Tech. Engineering	--	--	--	21	18	39
33	M.Tech. (Reg) CIVIL	Urban Transportation Engineering	--	--	--	24	0	24
34	M.Tech. (Reg) EEE	Power Electronis	--	--	--	25	19	44
35	M.Tech. (Reg) EEE	Electrical Power Engineering	--	--	--	26	20	46
36	M.Tech. (Reg) Mech. Engg.	Advanced Manufacturing Systems	--	--	--	22	21	43
37	M.Tech. (Reg) Mech. Engg.	Thermal Engineering	--	--	--	22	22	44
38	M.Tech. (Reg) Mech. Engg.	Engineering Design	--	--	--	23	20	43
39	M.Tech. (Reg) ECE	Digital Systems&Computer Electronics	--	--	--	23	18	41
40	M.Tech. (Reg) ECE	Systems & Signal Processing	--	--	--	19	18	37
41	M.Tech. (Reg) ECE	Embedded Systems	--	--	--	25	23	48
42	M.Tech. (Reg) CSE	Computer Science	--	--	--	25	18	43
43	M.Tech. (Reg) CSE	Computer Science & Information Engg.	--	--	--	18	17	35

No	Program	Specialization			2013-14 (3rd Yr)	2014-15 (2nd Yr)	2015-16 (1st yr)	Total
44	M.Tech. (Reg) Mett	Metallurgy	--	--	--	19	19	38
45	M.Tech. (Reg)	Energy Systems	--	--	--	20	17	37
	Total		--	--	--	389	293	682
46	M.Sc. (Reg) Mathematics	Sys. Theory and Computer Modeling	--	--	--	15	0	15
47	M.Sc. (Reg) Mathematics	Applied Mathematics	--	--	--	0	13	13
48	M.Sc. (Reg) Chemistry)	Organic Chemistry	--	--	--	21	0	21
	Total		--	--	--	36	13	49
49	M.Tech.	Mechatronics	--	--	--	32	11	43
50	Computer Science & Engg.	MCA	--	--	30	23	24	77
51	M.Tech. (PTPG) Civil	Structural Engg.	--	--	30	30	30	90
52	M.Tech. (PTPG) Civil	Transportation Engg.	--	--	26	0	0	26
53	M.Tech. (PTPG) EEE	Electrical Power Engg.	--	--	19	22	23	64
54	M.Tech. (PTPG) EEE	PE & ID	--	--	18	0	0	18
55	M.Tech. (PTPG) Mech. Engg.	Advanced Manufacturing Systems	--	--	0	0	15	15
56	M.Tech. (PTPG) Mech. Engg.	Thermal Engg.	--	--	30	0	0	30
57	M.Tech. (PTPG) Mech. Engg.	Engineering Design	--	--	30	30	19	79

58	M.Tech. (PTPG) ECE	Systems & Signal Processing	--	--	29	0	0	29
59	M.Tech. (PTPG) CSE	Computer Science	--	--	21	0	17	38
60	M.Tech. (PTPG) .	Industrial Metallurgy	--	--	0	0	15	15
	Total		--	--	203	82	119	404
c.	Total Students		236	684	1034	1257	1068	4279
Grand Total Students :Four Thousand Two Hundred Seventy Nine Only			4279					

Ph.D Full time Scholars

Sl. No	Department	Day Time		
		I Year	II Year	Total
1	Civil Engineering	02	01	03
2	Electrical & Electronics Engineering	04	02	06
3	Mechanical Engineering	02	01	03
4	Electronics & Communication Engineering	04	02	06
5	Computer Science and Engineering	02	01	03
6	Metallurgical Engineering	01	--	01
7	Mathematics	01		01
		16	07	23

FACULTY

Table shows details of faculty in various departments and status of Ph.D

Department	Completed Ph.D	Pursuing Ph.D	Total
CIVIL DEPARTMENT	18	5	23
METTALLURGY DEPARTMENT	4	1	5
EEE DEPARTMENT	13	3	16
MECHANCIAL DEPARTMENT	22	-	22
ECE DEPARTMENT	7	6	13

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CSE DEPARTMENT	16	4	20
MATHEMATICS DEPARTMENT	6		6
PHYSICS DEPARTMENT	5		5
CHEMISTRY DEPARTMENT	5	1	6
HUMANITIES DEPARTMENT	3		3
PHYSICAL EDUCATION DEPARTMENT	1		1

INDUSTRY INTERFACE

MoU is entered with Nine Organizations & Industries

Sl.No	Name of the Company	Year
1	BTH SWEDEN	2009
2	TI	2011
3	AIT BANKOK	2011
4	CITD	2011
5	CDAC	2012
6	NETCRACKERS	2013
7	CII	2013
8	KITE	2014
9	Neetha Innovative Technology Manufacturers (NITEM), Hyderabad	2015

COMMUNITY RELATIONSHIPS

S.No	Name of the Programme	Name of the Coordinator	Duration of the programme	Category	Amount Sanctioned	Head
1	Two week programme on automobile Technology	Mr.M.Manzoor Hussain Dept.of Mechanical Engg	11th-23rd Sep-2006	Community Services	69,784/-	Community
2	Training on power tools	Sri.G.Krishna Mohan Rao	28-29oct'06	Community Services	31,308/-	Organized
3	Three day community service Program on LINUEX INTERNAILS	Dr.L.Pratap Reddy Dept.of ECE	21-23 December'06	Community Services	57,224/-	Organized
4	Two day community service Program on Refrigiration&Air Conditioning	Dr.Ashok Kumar Dept.of Mech	28-29 December'06	Community Services	18,632/-	Community
5	One week personality development program for ST/SC candidates	Dr.G.Poshal co-ordinator EDC		Community Services	46,540/-	Community
6	A Training on Masonry consruction	Smt.P.Srilaxmi	27-29 Dec'06	Community Services	36,351/-	Unorganized
7	personality development program &Skill enhancement for non Teaching staff	Dr.K.Eshwara Prasad	27-29 Dec'06	Community Services	1,58,200/-	Organized
8	Community Service program on advanced computer Awareness for Housewives	Sri.M.Srinivasa Rao	20-26 November'06	Community Services	1,85,090/-	Community
9	Community Service program on Research Methodology	Dr.K.Eshwara Prasad	11-13th Dec'06	Community Services	35,310/-	Community
10	Community Service program on computer Awareness for school teachers	M. Srinivasa Rao	27-29 Dec'06	Community Services	35,320/-	Organized
11	Consruction of a House Concern & Issues	Dr.N.V.Ramana Rao	16-17 April'07	Community Services	53,886/-	Community

2. **TEQIP EXPERIENCE AT THE INSTITUTE**

The college has been identified as the lead institution by the world bank for the Technical Education Quality Improvement Programme (TEQIP) with a financial aid of Rs.143.135 million aiming at improving the research activity, building infrastructural facilities and establishing PG and research laboratories. An amount of Rs.40 million was sanctioned during 2004-05 and the entire sanctioned grant was successfully spent for the said purpose. An amount of Rs.67.5 million was sanctioned and the entire grant was spent on various developmental activities of the institution.

IMPROVEMENTS IN PROGRAMMES AND LEARNING INNOVATIONS DURING TEQIP PERIOD

The following Faculty have attended Workshops, Seminars, Conferences at various reputed organizations in their field of interest. After attending this program they could improve the domain knowledge

Sl.No	Programme	Initiative/ Activity	Whether Intended outcome Achieved Moderately/ Achieved well
1.	Three-Day Course on Wind Energy Technology IIT Bombay	Workshop	Achieved well
2.	Two Day International Conference on RACE'07 Rajasthan	Conference	Achieved well
3.	One Day Workshop On Green Building Hyderabad	Workshop	Achieved well
4.	One –day Seminar on "Recent Developments in facts technology" at Hyderabad	Seminar	Achieved well
5.	One –day Seminar on "Recent Developments in facts technology" at Hyderabad	Seminar	Achieved well
6.	Training Program on 'IT fore intelligent and green Buliding design" at IIT Hyderabad	Faculty training	Achieved well

7.	Training Program on Management capacity Development at ERC Bangalore	Faculty training	Achieved well
8.	International workshop on "Case studies and export presentation on Non destructive Testing at Delhi	workshop	Achieved well
9.	Seminar on "Digital Broad Casting (Emerging Scenario Regn foc.	Seminar	Achieved well
10.	Workshop on 'Cold formed steel Structures' at IIT Madras	workshop	Achieved well
11.	Workshop on 'Integrating IPR culture with R&D' at ITR Bangalore	workshop	Achieved well
12.	National Conference on "Design foe product life cycle"	Conference	Achieved well
13.	National Seminar on "Energy Conservation and Environmental Management for Sustainable Development Process Industries at Bislapur	Seminar	Achieved well
14.	International Workshop on International Congress on Fly Ash Concrete"	Workshop	Achieved well
15.	Workshop on Integrated IPR culture with R&D at IPR Bangalore	Workshop	Achieved well
16.	International Seminar" Power Transmission – Research Interests and Challenges" at Bangalore	Seminar	Achieved well
17.	International Seminar on " Power Transmission – Research Interests and Challenges" at Bangalore	Seminar	Achieved well
18.	Workshop on ICORF -06 by International Solar Society at Madhapur Hitex	Workshop	Achieved well
19.	Training on ICORF -06 by International Solar Society at Madhapur Hitex	Faculty training	Achieved well

20.	National Conference on "Emerging Trends in Electronics Technologies – NCETET-2006 at Jammu	Conference	Achieved well
21.	National Workshop on "Design for Product life cycle ' at BITS Pilani	Workshop	Achieved well
22.	National Conference organized ASCE, USA	Conference	Achieved well
23	Workshop on "Program Financing" at Triupathi	Workshop	Achieved well
24.	Training program on Management Capacity Development program at Puri , Orissa	Faculty training	Achieved well
25.	IV/IV B.Tech Project for final Year students	Workshop	Achieved well
26.	Three day workshop on Intelligent methods to power systems and Problems	Workshop	Achieved well
27.	National Seminar on "Energy Conservation and environmental Management"	Seminar	Achieved well
28	Two day workshop on "Attera Design tools" at IIIT Hyderabad	workshop	Achieved well
29.	Two day workshop on "Attera Design tools" at IIIT Hyderabad	workshop	Achieved well
30.	Two day workshop on "Attera Design tools" at IIIT Hyderabad	workshop	Achieved well
31.	Short term course on "Genetic algorithm for Engineering Optimization at IIT Kanpur	Faculty training	Achieved well
32.	Short term course on "Genetic algorithm for Engineering Optimization at IIT Kanpur	Faculty training	Achieved well
33.	One day Training Program on "Software accuamatization Program on CFD at HYD	Faculty training	Achieved well

34.	One day Training Program on "Software accuamatization Program on CFD at HYD	Faculty training	Achieved well
35.	Two day training Program on INDO – US – FDUSAT Networking and training at coimbatore	Faculty training	Achieved well
36.	Guest lecture on Personality Development at JNTUCEH	Faculty training	Achieved well
37.	Shorterm Course on "Embedded Systems & Technology at IIT Kanpur	Faculty training	Achieved well
38.	National Workshop on concepts at Kakinada	Workshop	Achieved well
39.	National Workshop on concepts at Kakinada	Workshop	Achieved well
40.	Short term course on Speech Processing & communication at IIT Kharagpur	Workshop	Achieved well
41.	Training on Renewable energy for Engg. Education , Chennai	Faculty training	Achieved well
42	Short term course on Design for Testability, Hyderabad	Faculty training	Achieved well
43	Short term course on Design for Testability , Hyderabad	Faculty training	Achieved well
44	1 day Seminar on Recent trends Nano Materials Science , Hyderabad	Seminar	Achieved well
45	1 day Seminar on Recent trends Nano Materials Science , Hyderabad	Seminar	Achieved well
46	International Conference on Developing Software , IIT Karaghpur.	Conference	Achieved well
47	Training on Energy applications in design and analysis of thermal systems, Kolkatta	Faculty training	Achieved well

48	Training on Solar Thermal Systems for Engineers , Bangalore	Faculty training	Achieved well
49	Training on Photovoltaic Systems for Engineers , Bangalore	Faculty training	Achieved well
50	ICC Silver Jubilee on Unambiguous structure …….. Benzimidazole, at Maharastra	Conference	Achieved well
51	National Conference on CFD Analysis , B.H.E.L	Conference	Achieved well
52	National Conference on IGC-2006 , at Chennai	Conference	Achieved well
53	National Conference on Indian Geotechnical Conference Network , IIT Chennai	Conference	Achieved well
54	2day workshop on Ultrasonic Testing for NDE , HYD	workshop	Achieved well
55	National Conference on Indian Geotechnical Conference Network, IIT Chennai	Conference	Achieved well
56	3 day workshop on power system operation and control	workshop	Achieved well
57	Workshop on NDE -2006, IST HYD	workshop	Achieved well
58	Workshop on NDE -2006, IST HYD	workshop	Achieved well
59	Workshop on NDE -2006, IST HYD	workshop	Achieved well
60	Workshop on NDE -2006, IST HYD	workshop	Achieved well
61	Course on Advances in System Administration , Hyderabad	Faculty training	Achieved well

62	2day National Level Workshop on Failure Analysis , DRML, HYD.	Workshop	Achieved well
63	8th International Conference on Optoelectronics fiber optics & Photonics HCU HYD	Conference	Achieved well
64	International Conference Nonlinear systems Modeling simulation & Application Maharastra	Conference	Achieved well
65	National Conference on one& two Dimensional NMR Spectroscopy, Madhurai	Conference	Achieved well
66	International Course on Computational Geotechnics Chennai	Faculty training	Achieved well
67	International Course on Computational Geotechnics Chennai	Faculty training	Achieved well
68	CII Conference on Telecom & Broad Band, HYD	Conference	Achieved well
69	CII Conference on Telecom & Broad Band, HYD	Conference	Achieved well
70	International Conference on Signal Processing, Communication & Networking , MIT Chennai	Conference	Achieved well
71	2 day Workshop on Digital Controls, Manipal institute of Technology	Workshop	Achieved well
72	International Conference on Semantic Web & Digital Libraries, Bangalore	Conference	Achieved well
73	2 day Workshop on Digital Controls, Manipal institute of Technology	Workshop	Achieved well

74	Short term course on power system operation techniques in the presence of facts Devices , Au College Vishakapatnam	Faculty training	Achieved well
75	Training on PSCAD/EMTDC , Mumbai	Faculty training	Achieved well
76	2 Day Seminar on Adaptive and Intelligent Control Power System Stabilizer	Seminar	Achieved well
77	National Conference on State of the art Technology in Mechanical Engg.	Conference	Achieved well
78	2 Day Seminar on Adaptive and Intelligent Control Power System Stabilizer	Seminar	Achieved well
79	International Conference on Free Software for Education & E – Governance , IIM Bangalore	Conference	Achieved well
80	International Conference on Advances in Mechanical Engg. , Punjab	Conference	Achieved well
81	International Conference ANM-2007, IIT Bombay	Conference	Achieved well
82	Two Day National workshop as "Digital Control", Manipal Institute of Technology	workshop	Achieved well
83	Two Day National workshop as "Digital Control", Manipal Institute of Technology	workshop	Achieved well
84	Two Day Short Term Course on Power system Optimization, Vishakhapatnam	workshop	Achieved well

85	Two Day Conference On NSNFC , Hyderabad	Conference	Achieved well
86	International Conference on ICSCN'07, IIT Cheenai	Conference	Achieved well
81	Three Day Taining Program on PSCAD EMTDC , Navy Mumbai	Faculty training	Achieved well
88	Two Day Workshop on Composite Materials, Hyderabad	workshop	Achieved well
89	Two Day Workshop on Composite Materials Hyderabad	workshop	Achieved well
90	Two Day Workshop on Composite Materials Hyderabad	workshop	Achieved well
91	Work Shop on CFD JNTUCEA	workshop	Achieved well
92	Two Day Workshop on Research Challenges in Wireless and Optical Communication Network Chennai	workshop	Achieved well
93	Two Day Workshop on Research Challenges in Wireless and Optical Communication Network Chennai	workshop	Achieved well
94	One Day Workshop On Green Building Hyderabad	Workshop	Achieved well
95	Six– Day Short Term Course on "Wireless communication And Networks", Kharagpur	Workshop	Achieved well

Table presents details of Programme improvements through TEQIP II

The following Faculty have attended Workshops, Seminars, and Conferences at various reputed organizations in their field of interest. After attending this program they could improve their domain knowledge.

Table presents details of Attended Programme improvements through TEQIP

Sl.No	Programme	Initiative/ Activity	Whether Intended outcome Achieved Moderately/ Achieved well
1.	"Decision Support System support for Water Resources Planning at Hyderabad	Seminar	Achieved well
2.	One-day workshop on "Fluid Dynamics' and Boundary layer Concepts. At	workshop	Achieved well
3.	One –day Seminar on "Recent Developments in facts technology" at Hyderabad	Seminar	Achieved well
4.	One –day Seminar on "Recent Developments in facts technology" at Hyderabad	Seminar	Achieved well
5.	One –day Seminar on "Recent Developments in facts technology" at Hyderabad	Seminar	Achieved well
6.	Training Program on 'IT fore intelligent and green Buliding design" at IIT Hyderabad	Faculty training	Achieved well
7.	Training Program on Management capacity Development at ERC Bangalore	Faculty training	Achieved well
8.	International workshop on "Case studies and export presentation on Nondestructive Testing at Delhi	workshop	Achieved well
9.	Seminar on "Digital Broad Casting Emerging Scenario"	Seminar	Achieved well
10.	Workshop on 'Cold formed steel Structures' at IIT Madras	workshop	Achieved well

11.	Workshop on 'Integrating IPR culture with R&D' at ITR Bangalore	workshop	Achieved well
12.	National Conference on "Design foe product life cycle"	Conference	Achieved well
13.	National Seminar on "Energy Conservation and Environmental Management for Sustainable Development Process Industries at Bislapur	Seminar	Achieved well
14.	International Workshop on International Congress on Fly Ash Concrete"	Workshop	Achieved well
15.	Workshop on Integrated IPR culture with R&D at IPR Bangalore	Workshop	Achieved well
16.	International Seminar" Power Transmission – Research Interests and Challenges" at Bangalore	Seminar	Achieved well
17.	International Seminar on " Power Transmission – Research Interests and Challenges" at Bangalore	Seminar	Achieved well
18.	Workshop on ICORF -06 by International Solar Society at Madhapur Hitex	Workshop	Achieved well
19.	Training on ICORF -06 by International Solar Society at Madhapur Hitex	Faculty training	Achieved well
20.	National Conference on "Emerging Trends in Electronics Technologies – NCETET-2006 at Jammu	Conference	Achieved well
21.	National Workshop on "Design for Product life cycle ' at BITS Pilani	Workshop	Achieved well
22.	National Conference organized ASCE, USA	Conference	Achieved well
23	Workshop on "Program Financing" at Triupathi	Workshop	Achieved well
24.	Training program on Management Capacity Development program at Puri , Orissa	Faculty training	Achieved well

25.	IV/IV B.Tech Project for final Year students	Workshop	Achieved well
26.	Three day workshop on Intelligent methods to power systems and Problems	Workshop	Achieved well
27.	National Seminar on "Energy Conservation and environmental Management"	Seminar	Achieved well
28	Two day workshop on "Attera Design tools" at IIIT Hyderabad	Workshop	Achieved well
29.	Two day workshop on "Attera Design tools" at IIIT Hyderabad	Workshop	Achieved well
30.	Two day workshop on "Attera Design tools" at IIIT Hyderabad	Workshop	Achieved well
31.	Short term course on "Genetic algorithm for Engineering Optimization at IIT Kanpur	Workshop	Achieved well
32.	Short term course on "Genetic algorithm for Engineering Optimization at IIT Kanpur	Faculty training	Achieved well
33.	One day Training Program on "Software accuamatization Program on CFD at HYD	Faculty training	Achieved well
34.	One day Training Program on "Software accuamatization Program on CFD at HYD	Faculty training	Achieved well
35.	Two day training Program on INDO – US – FDUSAT Networking and training at coimbatore	Faculty training	Achieved well
36.	Guest lecture on Personality Development at JNTUCEH	Guest lecture	Achieved well
37.	Shorterm Course on "Embedded Systems & Technology at IIT Kanpur	Faculty training	Achieved well
38.	National Workshop on concepts at Kakinada	Workshop	Achieved well
39.	National Workshop on concepts at Kakinada	Workshop	Achieved well

40.	Short term course on Speech Processing & communication at IIT Kharagpur	Faculty training	Achieved well
41.	Training on Renewable energy for Engg. Education , Chennai	Faculty training	Achieved well
42	Short term course on Design for Testability, Hyderabad	Faculty training	Achieved well
43	Short term course on Design for Testability , Hyderabad	Faculty training	Achieved well
44	1 day Seminar on Recent trends Nano Materials Science , Hyderabad	Seminar	Achieved well
45	1 day Seminar on Recent trends Nano Materials Science , Hyderabad	Seminar	Achieved well
46	International Conference on Developing Software , IIT Karaghpur.	Conference	Achieved well
47	Training on Energy applications in design and analysis of thermal systems, Kolkatta	Faculty training	Achieved well
48	Training on Solar Thermal Systems for Engineers , Bangalore	Faculty training	Achieved well
49	Training on Photovoltaic Systems for Engineers , Bangalore	Faculty training	Achieved well
50	ICC Silver Jubilee on Unambiguous structure …….. Benzimidazole, at Maharastra	Faculty training	Achieved well
51	National Conference on CFD Analysis , B.H.E.L	Conference	Achieved well
52	National Conference on IGC-2006 , at Chennai	Conference	Achieved well
53	National Conference on Indian Geotechnical Conference Network , IIT Chennai	Conference	Achieved well
54	2day workshop on Ultrasonic Testing for NDE , HYD	workshop	Achieved well

55	National Conference on Indian Geotechnical Conference Network, IIT Chennai	Conference	Achieved well
56	3 day workshop on power system operation and control	workshop	Achieved well
57	Workshop on NDE -2006, IST HYD	workshop	Achieved well
58	Workshop on NDE -2006, IST HYD	workshop	Achieved well
59	Workshop on NDE -2006, IST HYD	workshop	Achieved well
60	Workshop on NDE -2006, IST HYD	workshop	Achieved well
61	Course on Advances in System Administration , Hyderabad	Faculty training	Achieved well
62	2day National Level Workshop on Failure Analysis , DRML, HYD.	workshop	Achieved well
63	8th International Conference on Optoelectronics fiber optics & Photonics HCU HYD	Conference	Achieved well
64	International Conference Nonlinear systems Modeling simulation & Application Maharastra	Conference	Achieved well
65	National Conference on one& two Dimensional NMR Spectroscopy, Madhurai	Conference	Achieved well
66	International Course on Computational Geotechnics Chennai	Faculty training	Achieved well
67	International Course on Computational Geotechnics	Faculty training	Achieved well

	Chennai		
68	CII Conference on Telecom & Broad Band, HYD	Conference	Achieved well
69	CII Conference on Telecom & Broad Band, HYD	Conference	Achieved well
70	International Conference on Signal Processing, Communication & Networking , MIT Chennai	Conference	Achieved well
71	2 day Workshop on Digital Controls, Manipal institute of Technology	Workshop	Achieved well
72	International Conference on Semantic Web & Digital Libraries, Bangalore	Conference	Achieved well
73	2 day Workshop on Digital Controls, Manipal institute of Technology	Workshop	Achieved well
74	Short term course on power system operation techniques in the presence of facts Devices , Au College Vishakapatnam	Faculty training	Achieved well
75	Training on PSCAD/EMTDC , Mumbai	Faculty training	Achieved well
76	2 Day Seminar on Adaptive and Intelligent Control Power System Stabilizer	Seminar	Achieved well
77	National Conference on State of the art Technology in Mechanical Engg.	Conference	Achieved well
78	2 Day Seminar on Adaptive and Intelligent Control Power System Stabilizer	Seminar	Achieved well
79	International Conference on Free Software for Education & E –Governance , IIM Bangalore	Conference	Achieved well
80	International Conference on Advances in Mechanical Engg. , Punjab	Conference	Achieved well

81	International Conference ANM-2007, IIT Bombay	Conference	Achieved well
82	Two Day National workshop as "Digital Control", Manipal Institute of Technology	workshop	Achieved well
83	Two Day National workshop as "Digital Control", Manipal Institute of Technology	workshop	Achieved well
84	Two Day Short Term Course on Power system Optimization, Vishakhapatnam	workshop	Achieved well
85	Two Day Conference On NSNFC , Hyderabad	Conference	Achieved well
86	International Conference on ICSCN'07, IIT Cheenai	Conference	Achieved well
81	Three Day Taining Program on PSCAD EMTDC , Navy Mumbai	Faculty training	Achieved well
88	Two Day Workshop on Composite Materials, Hyderabad	Workshop	Achieved well
89	Two Day Workshop on Composite Materials Hyderabad	Workshop	Achieved well
90	Two Day Workshop on Composite Materials Hyderabad	Workshop	Achieved well
91	Work Shop on CFD JNTUCEA	Workshop	Achieved well
92	Two Day Workshop on Research Challenges in Wireless and Optical Communication Network Chennai	Workshop	Achieved well
93	Two Day Workshop on Research Challenges in Wireless and Optical Communication NetworkChennai	Workshop	Achieved well
94	Three-Day Course on Wind Energy Technology IIT Bombay	Workshop	Achieved well
95	Two Day International Conference on RACE'07 Rajasthan	Conference	Achieved well

96	One Day Workshop On Green Building Hyderabad	Workshop	Achieved well
97	One Day Workshop On Green Building Hyderabad	Workshop	Achieved well
98	Six– Day Short Term Course on "Wireless communication And Networks", Kharagpur	Workshop	Achieved well
99	Short Term Course on WIND ENERGY TECHNOLOGY, IIT MUMBAI.	Faculty training	Achieved well
100	Training on "Seismic Analysis of Reinforced Soil Structures",) IIT Bombay.	Faculty training	Achieved well
101	"Embedded Systems and Technology" " at Indian Institute of Technology, Kharagpur.	Workshop	Achieved well
102	"Embedded Systems and Technology" at Indian Institute of Technology, Kharagpur	Workshop	Achieved well
103.	"Two-day Workshop on Power Quality" at University College of Engineering(Autonomous) at Osmania University	Workshop	Achieved well
104.	"Two-day Workshop on Power Quality" at University College of Engineering(Autonomous) at Osmania University	Workshop	Achieved well
105.	International Conference Structural Engineers World Congress (SEWC-2007) held at Bangalore.	Conference	Achieved well
106.	Workshop on "Opportunities of Government Funded R&D Projects for Engineering Educational Institutes" held at IISC, Bangalore.	Workshop	Achieved well

Table presents Faculty International conferences attended

S. No	Name of the Faculty	Dept.	Conference/ Study Tour	Name of the Conference and Venue	Dates of the Conference
1	Prof. M. V. Seshagiri Rao	Civil Engg	International Conference	8th RILEM Symposium on Fibre Reinforced Concrete Portugal	19-21 September 2012
2	Dr. M. Janardhan	Civil Engg	International Conference	8th RILEM Symposium on Fibre Reinforced Concrete Portugal	19-21 September 2012
3	Dr. G.K.Viswanadh	Civil Engg.	International Conference	XiX International Conference on Computational methods in water Resources USA	17-21 June 2012
4	Dr.G.Krishna Mohana Rao	Mech engg	International Conference	Mechanical and Robotics Engineering (MREN'13) ATHENS, GREECE	14-16 May 2013
5	Dr. V. Kamakshi Prasad	Comp. Sc. Engg	International Conference	"GMM based Language Identification Using Robust Features", in the 15th International Conference on Speech and Computer, PLZEN, CZECH, REPUBLIC	1-5, September 2013
6	Prof. Rameswara Rao	Vice Chancellor	Study and Network tour	(NAFSA) USA	26th-31 May 2013
7	Dr.M.Janardhana	Civil Dept	International Conference	3rd International Conference on Sustainable Construction Materials and Technologies(SCMT3) KYOTO JAPAN	18th to 22nd August 2013

8	Dr.M.T.Naik	Mech Engg Dept	International Conference	3rd International Conference on"Design and Performance Analysis of Acrylic Coated Small Scale Passive Solar Air Heater"Las Vegas USA	2-4 December 2013
9	Dr.T.Satya Savithri	ECE Dept	International Conference	International Conference WCECS San Francisco,USA	23-25 October 2013
10	Dr.G.N.Srinivas	EEE Dept	International Conference	International Conference on"SPICE Modelling for Evaluation of Distribution System Reliability Indices" Melbourne,Australia	16-17,December 2013
11	Dr.Manzoor Hussain	Mechanical Dept	International Study Mission	Cologne,Germany	2-6,December 2013
12	Dr.K.P.Supreethi	CSE	International Conference	International Conference onÏnternet Technologies&Society 2013" Malaysia	29th November2013 to 1st Decem ber 2013
13	Dr. B. Sudheer Prem Kumar Professor	MED	International Conference	"ASME-2014on Energy Sustainability" at Boston	30th- 2nd Jan, 2014
14	Dr. S.Srinivasulu	Civil Engg.	International Conference	9th International Symposium on Lowland Technology 2014 Saga university JAPAN	29th Sep to 1st Oct-2014
15	Dr. Tulasiram	EEE	International Conference	International Conference on Genetic and Evolutionary Methods Las Vegas	21st to 24th July – 2014
16	Dr. G.N.Srinivas	EEE	International Conference	International Conference on Electrical Engineering Theory and Application Singapur	5th to 6th July – 2014

17	Dr. C. H. Venkata Ramana Reddy	Chemistry	International Conference & Study Tour	248th American Chemical Society National Meeting & Exposition and visit to other Universities, San Francisco, California USA	10th to 14th August-2014 and 17th – 26th August-2014
18	Dr. A. Vinaya Babu,	CSE	International Workshop cum Seminar	International Workshop cum Seminar on "Technology Upgrades and Capacity Building for Excellence Centers for Quality Higher Education" at Bangkok, Thailand	22nd -26th June ,2014
19	Dr. E.Sai Baba Reddy	Civil Engg.	International Workshop cum Seminar	International Workshop cum Seminar on "Technology Upgrades and Capacity Building for Excellence Centers for Quality Higher Education" at Bangkok, Thailand	22nd -26th June ,2014
20	Mr. Kanna Bhaskar, Asst Prof.	EEE Dept	International Conference	on IEEE Power & Energy Society General Meeting 2014 at Washington DC, USA,	27th - 31st July, 2014
21	Dr. T.Kishen Kumar Reddy Professor	MED	International Conference and Study Tour	10th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics-HEFAT-2014" to be held in Orlando, Florida, USA.	14-16th July, 2014
22	Dr. A.V.S.S. Kumara Swami Gupta, Professor	MED	International Conference	International Conference on 10th International Conference on "Heat Transfer, Fluid Mechanics & Thermodynamics" Orland, Florida, USA.	14-16th July, 2014

23	Dr.K.P.Supreethi	CSE Dept.,	International Conference	"Advanced Engineering Computing & Applications in Sciences – ADVCOMP 2014" Rome, ITALY	24-28 August, 2014
24	N.V. Ramana Rao	Civil Engg.,	3rd International Conference	"Earth Science & Climate Change being , San Francisco, California USA	28-30, July 2014

25	Dr.Ch. Venkata Ramana Reddy	Chemistry	International Conference	250th American Chemical Society National Meeting & Exposition at Boston, MA, USA	August 16-20, 2015
26	Dr. M. Madhavilatha	ECE	International Conference	Electrical, Electronics and instrumentation Engineering 9ICEEI Aug 2015), Colombo, Sri lanka	20-22, August 2015
27	Dr. Maganti Janardhana (Interim approval is taken)	Civil Engg.,	12th North American Masonry conference	A comparative study on the properties of stabilized compressed earth blocks stabilized with pozzolanic cements	May 17-20, 2015
28	Dr.S. Tara Kalyani	EEE	International Conference	Emerging trends in Electrical, Electrical & Instrumentation Engineering, UAE, Dubai	24-25, April 2015
29	Dr. M. Madhavilatha	ECE Engg., Dept	International Conference	International Conference (ICEEI August 2015), Colombo, Sri Lanka	During 20-22, August, 2015
30	Dr. K.Eswaraprasad	Mechanical Engineering	International Conference	WASET' ICMET 2015 17th International Conference on Materials Engineering and	December 13-14, 2015

				Technology Melbourne, Australia	
31	Dr.M.T.Naik	Mechanical Engineering	International Conference	International Conference on Applied Sciences Fukuoka, Japan	February, 1-3, 2016
32	Dr.B.Anjaneya Prasad,	Mechanical Engineering	International Conference	International Conference on Applied Sciences at Fukuoka, Japan	February 1-3, 2016
33	Dr.G.Krishna Mohana Rao,	Mech engg	International Conference	International Conference on Applied Sciences at Fukuoka, Japan	February 1-3, 2016
34	Dr.V.Venkateswara Reddy, Professor of Civil Engg., Department.	Mech., Engg	International Conference	International Conference on Applied Sciences at Fukuoka, Japan	February 1-3, 2016
35	Dr.P. Madhusudana Rao ,	Physics Department.,	18th International Conference on Materials Engineering & Technology,	Materials Engineering & Technology,, 2016, Melbourne, Australia	February 4-5, 2016
36	Dr.T.Kishen Kumar Reddy	Mechanical Engineering	International Conference	ICMMSE" JEJU Island, South Korea,	March 18-20, 2016
37	Dr.G.K.Viswanadh	Civil Engg	International Conference	World Environmental & Water Resources congress 2016, West Palm Beach, Florida	May 22nd -26th 2016
38	Dr.V.Kamakshiprasad,	CSE Dept.,	International Conference	IEEE-SYSCON-2016 Orlando, Florida, USA,	April 18-21, 2016

39	Dr.P.Madhusudan a Rao	Physi cs Dept.,	International Conference	8th International Conference on Latest Trends in engineering and Technology (ICLTET 2016) Dubai (UAE)	May 5-6, 2016
40	Dr.M.Surya Kalavathi	Electr ical &Elec tronic s Engin eering	International Conference	World Congress on Engineering(WCE2016) at London UK	During 29th June to 1st July 2016
41	Dr.S.Tara Kalyani	Electr ical &Elec tronic s Engin eering	International Conference	World Congress on Engineering(WCE2016) at London UK	During 29 June to 1st July 2016
42	Dr.K.Vijaya Kumar Reddy	Mech. , Engg	International Conference	ASME Power & Energy Conference & Exhibition, North Caroline, USA	During 26-30, June 2016
43	Dr.B.Sudheer Premkumar	Mech. , Engg	International Conference	ASME Power & Energy Conference & Exhibition North Caroline, USA	During 26-30, June 2016
44	Dr.B.Rama Devi	Chem istry Dept.,	International Conference	International Conference on Pure & Applied Chemistry (ICPAC -16) Maritues	During 18-22, July 2016
45	Dr.P.Srinivasa Rao	Civil Engg., Dept.,	International Conference	International Conference 2016 on Environment, Efficient & economical challenges for concrete, Scotland	During 4-6, July 2016
46	Dr.P.Sravana	Civil Engg., Dept	International Conference	International Conference 2016 on Environment, Efficient & economical	During 4-6, July 2016

			challenges for concrete, Scotland.	

The enlisted Faculty had attended International conferences at various reputed institutions within and out of India in their field of interest. After attending these programs their domain knowledge is improved. They could gain knowledge in advanced fields and this is being used for guiding the research students in latest fields.

Establishment of labs

Sl.No	Programme	Initiative/ Activity	Whether Intended outcome Achieved Moderately/ Achieved well
1	Advanced Communications & Networking lab in ECE Dept	Establishment of labs	Achieved well
2	Ad-hoc & Sensor networks lab	Establishment of labs	Achieved well
3	Physical Mett. Lab in Mett. Engg Dept.	Establishment of labs	Achieved well
4	Wireless & Mobile communications lab in CSE Dept	Establishment of labs	Achieved well
5	Power System Lab in EEE Dept	Establishment of labs	Achieved well
6	Kinematics & Dynamatics Mechanical Engg Dept	Establishment of labs	Achieved well
7	Non Destructive Testing lab in Civil Engg.Dept	Establishment of labs	Achieved well
8	Thermal Engineering lab Mechanical in Dept	Establishment of labs	Achieved well
9	Mobile Computing lab in CSE Dept	Establishment of labs	Achieved well
10	Computation lab in Mechanical Dept,	Establishment of labs	Achieved well
11	Data mining lab in CSE Dept	Establishment of labs	Achieved well

IMPROVEMENTS IN FACULTY DEVELOPMENT & RESEARCH DURING TEQIP PERIOD

Table presents details of Faculty Development & Research during TEQIP

Departments	Before TEQIP	After TEQIP
No. of faculty pursuing Doctoral research through TEQIP grants	4	1
No. of Conferences attended nationally	22	106
No. of Conferences attended internationally	6	28
No. of conferences / workshops / Symposium organized in Institute	8	39
No. of Publications	36	194
No. of Patents	0	0
No. of projects undertaken	2	8
Any other		

Table presents details of Faculty Development & Research during TEQIP II

Departments	Before TEQIP	Through TEQIP
No. of faculty pursuing Doctoral research through TEQIP grants	---	18
No. of Conferences attended nationally	8	62
No. of Conferences attended internationally	6	31
No. of conferences / workshops / Symposium organized in Institute	65	120
No. of Publications	314	1515
No. of Patents	0	4
No. of projects undertaken	10	20
Any other		

List of Faculty Organized Workshops/Conferences/Seminars under TEQIP-II

Sl. No	Name of the Faculty	Department	Title of Programme	Date of Programme
1	Dr.N. Yadaiah Professor & Principal JNTUHCEH	EEE	38th National System Conference 2014	5th to 7th November-2014

2	Dr. V. Kamakshi Prasad Professor & Head & coordinator of TEQIP-II	CSE	1st International Conference on "Rough sets and knowledge Technologies 2014	9th to 11th November-2014
3	Dr. P. BharamaraAssoct Professor	Mechanical	International Conference on Environment & Energy	18th to 20th December – 2014
4	Dr. T. Tarakalayani	EEE	NBA workshop	NBA workshop 12th December-2014
5	Dr. V. Kamakshi Prasad	CSE	SOA & Cloud computing & recommended systems	28th to 29th November-2014
6	Dr. K. Anitha Sheela, Associate Professor	ECE	meetings for three days to finalize the pyralat structure & the research Proposals to ITRA at ECE Department	
7	K. H. Phanisree Assistant Professor	EEE	Three Day National Workshop on Computer Applications to Power Systems using Mipower"	26th to 28th February-2015
8	Dr. K. P. Supreethi, & Smt. E. Hemalatha Assistant Professors	CSE	Three Day Faculty Development Program on Architectural Design using UML"	26th to 28th February-2015
9	Mr. D.Kirankumar Assistant Professor of	EEE	conduct two day National Workshop on the topic of ''Real time implementation of power Electronicconntrolled drives using LABVIEW''	16th to 17th April-2015
10	Dr. K. Anitha Sheela	ECE	CXO/CEO Speak session	6th November -2014
11	Dr. M. Asha Rani	ECE	a lecture and interact with scholars and student in the area of Nano Electronics	16th December -2014
12	Dr. S. Tara Kalyani Professor &Head of	EEE	Guest lecture for B. Tech Final year & M. Tech students on HVDC Transmission and LAB VIEW"	21st February-2015

13	Dr. M. Asha Rani Professor &Head	ECE	Guest lecture on "EMI / EMC and Antennas" for students & Scholars	27th January-2015
14	Dr. S. Tara Kalyani Professor &Head	EEE	Guest lecture on "PWM Techniques suitable for DC-DC Converter and its Hardware Implementation	7th March-2015
15	Dr. S. Tara Kalyani Professor &Head	EEE	Guest lecture for B. Tech Final year & M. Tech (Regular) students on "Applications of PSO in Phase re-phasing in Distribution Systems"	19th March -2015
16	Dr.J.Suresh Kumar Professor	Mechanical	with Dr. G. L.Samuel Associate Professor, Department of Mechanical Engineering IIT Madras, on "Advanced Micromachining Systems"	3rd October-2015
17	Dr.J.Suresh Kumar Professor	Mechanical	Dr. J. Ramkumar Associate Professor, Department of Mechanical Engineering IIT Kanpur, on "Advanced Research in Mechanical Engineering	13th November-2015
18	Dr. K. P. Supreethi, & Smt. E. Hemalatha Assistant Professors	CSE	Three Day Faculty Development Program on Architectural Design using UML"	26th to 28th February-2015
19	Dr.B.Rama Mohan Assosiate Professor	CSE	Faculty Development Program"	during 1stth to 6th June-2015
20	Dr. B. N .Bhandari Professor	ECE	Wireless Sensor Networks and its Application"	during 04th to 09th May-2015
21	Mrs .A. Rajani Assistant Professor	ECE	Wireless Sensor Networks and its Application"	during 27th July to 01st August-2015
22	Dr.M.SuryaKalavathi Professor	EEE	Two Day National Conference''	during 19th to 20th June-2015
23	Dr. A. Ramakrishna Prasad Professor	Mathematics	two day National Workshop	during 24th to 25th July-2015

24	Dr. M. Surya Kalavathi Professor	EEE	Guest lecture on "Power Electronics	08-12-2015 at 10.30 to 1.30
25	Dr.V.Kamakshi Prasad Professor & Head	CSE	Emerging Trends in Cloud Computing	21st December-2015
26	Dr.KAnitha Sheela Associate Professor	ECE	Guest lecture in the area of "Internet of things (IOT)"	19th December-2015
27	Dr. S. Devaki Rani Professor & Head	Metallurgy	Guest lecture on " Heat Treatment of Steels	6th January, 2016
28	Dr. S. Tara Kalyani Professor & Head	EEE	Guest lecture on "Career &Reasearch" and "Maximum Power Point Tracking	21st December-2015
29	Dr.V.Kamakshi Prasad Professor & Head	CSE	Industry Advisory Committee (IAC) meeting	02/01/2016 at 11A.M
30	Dr. V. Kamakshi Prasad, Professor &HeadDr. B. Padmaja Rani, Professo	CSE	1st International Conference on Computational and Intelligence and Informatics	28th to 30th May-2016
31	Dr. B. SudheerPrem Kumar Professor	Mechanical	Faculty Development Program on "Computational Fluid Dynamics & it's Applications in Engineering	19th to 21st January-2016
32	Dr. S. Devaki Rani, Professor & Head	Metallurgy	Guest lecture on "Mechanisms of Creep Deformation and Fracture	22nd January-2016
33	Dr.BhramaraPanitapu, Associate Professor	Mechanical	National Conference on Recent Trends in Mechanical Engineering NCRTME 2016"	during 28 and 29th-April-2016
34	Dr. V. Parvathi, Professor	English department	Gender Sensitization	12th Febrauary-2016
35	Dr. B. Rama Devi Professor & Head	Chemistry,	"International Congress on advances in Chemistry and Chemical Engineering"-ICRACACE-2016	11th to 13th July-2016
36	Dr. B. N. Bhandari, Professor Mrs.N. Mangalagouri,	ECE,	Three day National level Workshop on	26th to 28th May-2016

	Associate professor Mrs. Rajani, Assistant professor		"Simulation of Wireless Networks using NS2	

IMPROVEMENTS IN INDUSTRY PARTNERSHIPS DURING TEQIP PERIOD

Table presents details of Industry projects and joint initiatives with companies through TEQIP

Title of project/ contribution to company	Name of company	Any intended outcomes
Student real time projects	BHEL,NRSA,DRDO,RCI, HAL,ECIL etc…	Mini Projects, Major Projects, UG & PG Projects and Internship Projects
Faculty industry projects	DRDO,BHEL,DRDL and RCI etc…	To improve the Industry institute interaction and carryout R & D Projects
Any other	------	-----

Table presents details of Faculty Industry projects and joint initiatives with companies through TEQIP II

S.No	Name of the project	Name of company	Any intended outcomes
1	Analysis of Crypto System using Information Theoretic Approach with the help of Spurious keys (CSITS)	RCI	To improve the Industry institute interaction and carryout R & D Projects
2	Centre of Excellence in Disaster Management	MHRD	To improve the Industry institute interaction and carryout R & D Projects
3	Scram Jet Combustion	DRDO	To improve the Industry institute interaction and carryout R & D Projects
4	Research Consultancy Project	NMDC	To improve the Industry institute interaction and carryout R & D Projects
5	Analysis of Crypto System using Information Theoretic Approach with the help of Spurious Keys (CSITS)	RCI	To improve the Industry institute interaction and carryout R & D Projects
6	Design, Construction & Analysis of Comprehensive Dataset for Emotion Detection using Multiple Biometrics	UGC	To improve the Industry institute interaction and carryout R & D Projects

IMPROVEMENTS IN COMMUNITY INITIATIVES DURING TEQIP PERIOD

Table presents details of Community initiatives/projects through TEQIP

Type of initiative/ Programme	Number and type of beneficiaries	Any intended outcomes
Two week EDC Programme (28 Programees conducted)	2200	To Motive the students to become entrepreneurship
Any other		

Table presents details of Community initiatives/ projects through TEQIP II

Type of initiative/ Programme	Number and type of beneficiaries	Any intended outcomes
Two weeks EDC Programme (Two Weeks Program, 30-05-2016 to 14-06-2016)	52	To Motive the students to become entrepreneurship
Any other		

3. STATUS OF MANAGEMENT CAPACITY ENHANCEMENT PROGRAMMES AND OTHER TRAINING PROGRAMMES

I. MANAGEMENT CAPACITY ENHANCEMENT PROGRAMMES FOR FACULTY

Table presents Institute level Data on Faculty who have attended MCEPs

Department	Year	No. of Faculty
ECE	2013	02
CSE	2014	03
EEE	2014	02
CIVIL	2014	01
MECHANICAL Engg.	2014	01
CSE	2015	03
EEE	2015	04
ECE	2015	01
CIVIL	2015	01

The following Faculty have attended Management Capacity Enhancement Programmes at various reputed organization in their field of interest. After attending these programs their administrative skills are improved.

Table presents details of Faculty who have attended MCEPs through TEQIP II

Sl. No	Name of the Faculty	Department	Title of Programme	Organising institute and venue	Date of Programme
1	Dr.D.Sreenivasa Rao,	ECE Dept.	Management capacity Enhancement for Administrator	IIM,Kozhikode	March 12th -22nd -2013
2	Dr. P.V.D. Someshekar Rao,	ECE Dept.	Management capacity Enhancement for Administrator	IIM,Kozhikode	March 12th -22nd -2013
3	Dr.N. Yadaiah	EEE	Good Governance Programme	ASCI, Hyderabad	May5th-7th 2014
4	Dr.M. Indira Rani	Mechanical	Management capacity Enhancement for Administrator	Bangalore	August 18th-22nd 2014
5	Dr.V. Kamakshi Prasad	CSE	Student, Faculty & Staff Satisfaction Survey	Bangalore	23rd September 2014
6	K.P. Supreethi	CSE	Student, Faculty & Staff Satisfaction Survey	Bangalore	23rd September 2014
7	Dr.N. Yadaiah	EEE	Good Governance Leadership Programme	New Delhi	October 12th 13th 2014
8	Dr. A. Vinaya Babu	CSE	Capacity Building for excellence in Higher Education	Thailand, Bangkok	June 22nd-26th 2014

9	Dr.E. Saibaba Reddy	CIVIL	Capacity Building for excellence in Higher Education	Thailand, Bangkok	June 22nd-26th 2014
10	Ms.K. Neeraja	CSE	Management Enhancement Program	Lucknow, Noida	25-29, May 2015
11	Ms. M. Nagaratna	CSE	Management Enhancement Program	Lucknow, Noida	25-29, May 2015
12	Satya savithri	ECE	Management Enhancement Program	IIM. Lucknow, Noida Campus.	(24th to 28th August 2015) at
13	Padmaja Rani	CSE	Management Enhancement Program	IIM. Lucknow, Noida Campus.	(24th to 28th August 2015) at
14	Dr.B.Dean Kumar	CIVIL	Management Enhancement Program	IIM. Lucknow, Noida Campus	5th -9th October 2015
15	Dr. S. Tara Kalyani	EEE	Management capacityenhancement Program	IIM Trichy(Chennai Campus)	18th to 22nd January 2015
16	DR. S. S. Tulasi Ram	EEE	Management capacity enhancement Program	IIM Trichy(Chennai Campus)	18th to 22nd January 2015
17	Sri P. Venkata Narayana	EEE	Management capacity enhancement Program	IIM Trichy(Chennai Campus)	18th to 22nd January 2015
18	Dr. P. Bhaskar	EEE	Management capacity enhancement Program	IIM Trichy(Chennai Campus	18th to 22nd January 2015

II. OTHER TRAINING PROGRAMMES FOR FACULTY

The following Faculty have attended Workshops, Conferences, Seminars and Faculty Training Programmes at various reputed organization in their field of interest.

Table presents details of Faculty who have attended various Training programmes through TEQIP II

Sl. No	Name of the Faculty	Department	Title of Programme	Organising institute and venue	Date of Programme
1	Dr.S.Vidyavthi	Civil	Geo spatial Technology and Applications	Tamil Nadu	3rd June to23rd august-2013
2	Mrs. P. Sri Lakshmi	Civil	A short Course on Condition Asesment and Strengthening of concrete structures"	IIT, Hyderabad	4th to 5th July-2013
3	Mrs. T. Madura Vani	Civil	mind Management for Management for Managerial Excellence"	ESCI, Hyderabad	16thy to 18thjuly -2013
4	Dr.MangatiJanardhana	Civil	Sustainable Construction Materials and Technologies(SCMT3)	Gwalior,	18th to 21st August-2013
5	Dr.K.M.Lakshmana Rao	Civil	Management development training	ISB, Hyderabad	2nd to 3rd september-2013
6	Dr.E Sai Baba Reddy	Civil	Session at Indian Geotechnical Conference 2013 at	IIT Roorkee	22nd 24th december2013
7	Dr M Seshagiri Rao	Civil	8th RILEM International Symposium On "Fibre reinforced Concrete"	Portugal	19th to 21st september2013
8	Dr.M. Janardhana	Civil	8th RILEM International Symposium On "Fibre reinforced Concrete"	Portugal	19th to 21st19th to 21st September 2013
9	Dr.M.Janaardhana	Civil	"Compatibility of Modified lingo naphthalene melamine sulphonate based superplasticizer with site blended Portal and pozzilana cements"	VNR VJIET, Hyd,	6-8th january2014
10	Dr. N. Yadaiah	EEE Dept.	"Industry- Academia Collaboration "	IIT, KARGHPUR	24th to 25th may-2013
11	Dr.M.Sushama	EEE Dept.	"Power Systems Economics"	IIT, KANPUR	26th to 30th July 2014

1 2	Dr.N.Yadaiah	EEE Dept.	"IEEE Multi Conference on Systems And Control"	IIT, Hyderabad	28th to 30th August-2013
1 3	Dr.N.Yadaiah	EEE Dept.	Managing Excellence in academic institutions"	ASCI, HYDERABAD	30thseptember to4th octomber-2014
1 4	Dr.G.N.Srinivas	EEE Dept.	SPICE Modelling for Evaluation of Distribution System Reliability Indices"	Australia	16th to 17th December-2013
1 5	Mr..PVenkata Narayana	EEE Dept.	2nd Btch of pedagogical training on Basic Module Schedule	CHANDIGAR H	28th to 1st November-2013
1 6	Mr.Kiran Kumar	EEE Dept.	2nd Btch of pedagogical training on Basic Module Schedule	Chandigarh,Hy derabad	28th to 1st November-2013
1 7	M.SuryaKalavath i	EEE Dept.	Recent Trends In Power Control and Instrumentation Engineering	Hyderabad	8th to 9th November2013
1 8	Dr.N.Yadaiah	EEE Dept.	Session in the National Conference"	IIT, JODHPUR	5th to 7th December2013
1 9	Dr.G.N.Srinivas	EEE Dept.	"Performance Analysis of partially parallel of partially parallel Embedded Source inverter with reduced Switches fed IM Drivers"	Noorul Islam University,Tami l Nadu	20-21st March2014
2 0	Mr.P.Venkata Narayana	EEE Dept.	"Smart Grid Technology and Applications"	CPRI, Bangalore	10-14th march2014
2 1	Dr.B. Rama Mohana	CSE Dept.,	"Design for Six Sigma Green Belt"	ROORKEE	12th to 16th March-2013
2 2	Dr.B. Rama Mohana	CSE Dept.,	"Multi Variate Data Analysis"	Khargpur	3rd to 8th june-2013
2 3	Dr V. Kamaksh Prasad	CSE Dept.,	"Industry- Academia Collabration "	Iit, khargpur	24th to 25th may-2013
2 4	B.Rama Mohan	CSE Dept.,	Short term course on Advances in Biometric security"	Nit rourkela	29th novenber to 7thdecember - 2013
2 5	Dr.B Ramesh Chandra	Metallurg ic	"Advances in X-Ray powder Diffractometry and Scanning Electron Microscopy"	RGUKT,Hyder abad	15th to 17th July -2013
2 6	Dr.K.Srinivasa Vadayar	Metallurg ic	"Advances in X-Ray powder Diffractometry and Scanning Electron Microscopy"	RGUKT,Hyder abad	15th to 17th July -2013
2 7	Prof.K. Srinivas Vadayar	Metallurg ic	"Pedagogical Training Program on Basic Module"	CHANDIGAR H	25th to 29th November2013
2 8	Dr.R.Markandey a	Metallurg ic	"fatigue , Fracture & life Extension"	DMRI, Hyderabad	29th to 31st January 2013

2 9	R .Rama Devi	Metallurg ic	Fatigue, Fracture & life Extension"	DMRI, Hyderabad	29th to 31st January 2013
3 0	Dr.S. Devaki Rani	Metallurg ic	fatigue , Fracture & life Extension"	DMRI, Hyderabad	29th to 31st January 2013
3 1	DR .M. Sreenivasa Rao	Mechnica l	"Recent Advances in Machining" Which is sponsored by ISTE SRM	UDUPI	10th to 15th june -2013
3 2	Dr. K. Srinivasa Vadayar	Mett	Exhibition and Automotive & Engg, Industries	Pune	7-9, February, 2013
3 3	G.Devendar	Mechnica l	"Compututational Research Techniques"	NIT,Warangal	7th to 11th August 2013
3 4	G.Ravi	Mechnica l	Compututational Research Techniques"	NIT,Warangal	7th to 11th August 2013
3 5	B.Kishen	Mechnica l	Compututational Research Techniques"	NIT,Warangal	7th to 11th August 2013
3 6	DR .M. Sreenivasa Rao	Mechnica l	"Advanced Engineering Optimization through Intelligent Techniques	Surat,Gujarat	23rd to 27th September-2013
3 7	Dr.k.Vijay Kumar Reddy	Mechnica l	"Management development training	ISB Hyderabad"	2nd to 3rd september2013
3 8	Dr.B.Sudheer premkumar	Mechnica l	Managing Excellence in academic institutions	ISB Hyderabad"	30thseptember to4th octomber2014
3 9	Dr.G Satish Babu	Mechnica l	Padagogical training program on Basic Module"	Chandigarh	30thseptember to4th octomber-2014
4 0	Dr.M Indira Rani	Mechnica l	"Advanced Engineering Optimization through Intelligent Techniques	SVNIT,Surat,G ujarat	27-31st January 2014
4 1	Mrs. RajaniAsst professor	ECE Dept.	"Multidisciplinary faculty Summit - 2014	Madhapur, Hyderabad	1st februry2014
4 2	Dr.m Asha Rani	ECE Dept.	hands on Trining in VLSI systems Design using Candence	coimbatore	21st to 23rdfebruary - 2013
4 3	Dr T. Satya savitri	ECE Dept.	hands on Trining in VLSI systems Design using Candence	coimbatore	21st to 23rdfebruary - 2013
4 4	Dr.M Asha Rani	ECE Dept.	Reliability and Fault Tolerance"	Bangalore	26th to 27th July-2013
4 5	Dr. N MangalaGouri	ECE Dept.	Reliability and Fault Tolerance"	Bangalore	26th to 27th July-2013
4 6	M Kanka Chary	ECE Dept.	"Advances in VLSI"Advances in VLSI Signal Processing Conducting byIITKharaghpur"	IIT,Khargpur	10th to 15th november-2013

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4 7	P.Udhayprakash	ECE Dept.	Advanced wirelessCommunication an research faculty Summit 2013	IIIT,Hyderabad	13th to 14th december2013
4 8	Dr.P. Madhusudana Rao Professor	Physics	Expo & Summit 2014	Hyderabad	23rd November 2014
4 9	Mr. B. Rama Mohan	CSE.,	Three day National workshop on "Software Quality Assurance'	Rourkela	July 25th to 26th
5 0	Dr. M. Asha Rani Professor	ECE	Good Governance & Transparency through RTI conducted by National Productivity Council, Ministry of Commerce & Industry, Government of India	Darjling,West Bengal	during 15th to 19th June-- 2015 at
5 1	Dr.T.MadhaviKu mari Associate Professor	ECE	"Good Governance & Transparency through RTI conducted by National Productivity Council, Ministry of Commerce & Industry, Government of India	Darjeeling,West Bengal	during 15th to 19th June-- 2015 at
5 2	Mr. P. Venkata Narayana Assistant Professor	EEE J	One week short term training program on "Advance engineering optimization through intelligent techniques",	Surat Gujarat	during 22nd to 26th June-2015
5 3	Mr. P. Venkata Narayana Assistant Professor	EEE J	One week short term training program on "Advance engineering optimization through intelligent techniques",	Surat Gujarat	during 22nd to 26th June-2015
5 4	Mr. B. Rama Mohan Associate professor	CSE	short term course on "Hands on Experience in Big Data Analytics using HADOOP" organized by The Maulana Azad National Institute of Technology,	NIT,Bhopal	22nd to 26th June-2015 at
5 5	Dr. P. Sravana-Professor & Coordinator, CTE-	Civil Engineeri ng	"National Workshop on NBA Accreditation"	ESCI	during 28th to 30th August-2015
5 6	Dr. M. Asha Rani Professor & Head	ECE	Faculty Development Program on ARM CORTEX, Organized by Texas Instruments under TI University Program at	Coimbatore	28th& 29th September-2015at

			Department of Electronics and Instrumentation Engineering,		
5 7	Dr.T.SatyaSavith ri Professor	ECE	Faculty Development Program on ARM CORTEX, Organized by Texas Instruments under TI University Program at Department of Electronics and Instrumentation Engineering,	Coimbatore	28th& 29th September-2015at
5 8	Dr .B.Dean Kumar, COE, JNTUHCEH	Civil	16th Management Capacity Enhancement Program	IIM Lucknow (Noida Campus)	during 5th to 9th October
5 9	Dr. K. Anitha Sheela Associate Professor,	ECE	tutorial session on the topic "Learning to Super-Resolve Images from Self-Similarities"		22nd September-2015
6 0	Dr. L. Pratap Reddy Professor	ECE	Department of Science and Technology Cofnitive Science Research Initiative(DST-CSRI), as Principal investigator, with the title "Out of the Box Paradigm for Social Cognitive Approach in Engineering Education"	Goa	10th October-2015 at
6 1	Dr. S. Vidyavathi Associate Professor	ECE	Training Program on Satellite Image Processing for Civil Engineering Applications	VIT University, Vellore	during 27th to 28th March – 2015
6 2	Dr. P. Sravana-Professor & Coordinator, CTE-	Civil	Three day work shop on Sponsored Research Programs (Opportunities, Procedures and Best Practices)	Chennai, TamilNadu	during 10th to 12th September-2015
6 3	Dr .B.Dean Kumar, Professor & Coordinator, COE, JNTUHCEH	Civil	16th Management Capacity Enhancement Program	IIM Lucknow (Noida Campus)	during 5th to 9th October IIM Lucknow (Noida Campus)
6 4	Dr. P. Sravana Professor	Civil	Development in Pavement Design, Evaluation and Material Characterisation"	IIT Kharagpur	during15th to 17th November - 2015
6 5	Dr. M. Indira Rani Professor	Civil	Two-Day Workshop on Non-Traditional Engineering Optimization Techniques"	Engineering Staff College, Hyderabad	25th to 26th February – 2015

6 6	V. Devender, lecturer	Mechanic al	Solar Water Distillation Using Three Different Phase Change Material" in "4th International Conference on Materials Processing and Characterization -2015	GRIET Hyderabad	during 14th to 15th March – 2015
6 7	G. Devendar Lecturer	Mechanic al	A Review on Solar Water Distillation using Sensible and Latent Heat" in " International Conference on Global Challenges, Policy Framework & Sustainable Development for Mining of Mineral and Fossil Energy Recourses: 2015-20	NIT Karnataka	17th to 18th April - 2015.
6 8	Mr. G. Ravi lecturer	Mechanic al	workshop on 'Quality Initiatives in Technical & Higher Educational Institutions	Engineering Staff College of India at Hyderabad	26th to 28th May-2015.
6 9	Mr. B. Rama Mohan Associate professor	CSE	short term course on "Hands on Experience in Big Data Analytics using HADOOP" organized by The Maulana Azad National Institute of Technology	NIT,BHOPAL	22-26, June. 2015 NIT,BHOPAL
7 0	Dr. B. Dr. B. Padmaja Rani- Professor	CSE	"15th Management Capacity Enhancement Program	IIM, Noida,Lucknow	24th to 28th August
7 1	Mr. B. Rama Mohan Associate professor	CSE	Short term course	NIT Rourkela	21-24, December 2015 NIT, RUrkela
7 2	Dr. M. Asha Rani Professor	ECE	Good Governance & Transparency through RTI conducted by National Productivity Council, Ministry of Commerce & Industry, Government of India	Darjeeling,West Bengal	during 15th to 19th June-- 2015 at
7 3	Dr.T.MadhaviKu mari Associate Professor	ECE	Good Governance & Transparency through RTI conducted by National Productivity Council, Ministry of Commerce & Industry, Government of India	Darjeeling,West Bengal	during 15th to 19th June-- 2015 at
7 4	Dr. M. Asha Rani Professor & Head	ECE	Faculty Development Program on ARM CORTEX,	IIM, Lucknow Noida Campus.	28th& 29th September-

			Organized by Texas Instruments under TI University Program at Department of Electronics		2015at Coimbatore
7 5	Dr.T.SatyaSavith ri Professor	ECE	Faculty Development Program on ARM CORTEX, Organized by Texas Instruments under TI University Program at Department of Electronics and Instrumentation Engineering,	IIM, Lucknow Noida Campus	28th & 29th September- 2015at Coimbatore
7 6	Dr. K. Anitha Sheela Associate Professor,	ECE	tutorial session on the topic "Learning to Super-Resolve Images from Self-Similarities"	Research Centre Imarat, (RCI), Midhani,Hydera bad.	22nd September-2015
7 7	Dr. L. Pratap Reddy Professor in ECEdepartment	ECE	Principal investigator, with the title "Out of the Box Paradigm for Social Cognitive Approach in Engineering Education"	Malkolak Institute of Marine Science, Dona paula, Goa.	10th October-2015
7 8	Mr. P. Venkata Narayana Assistant Professor	EEE	One week short term training program on "Advance engineering optimization through intelligent techniques",	Surat Gujarat	during 22nd to 26th June-2015
7 9	Dr. S. Tara Kalyani Professor & Head	EEE	Two-day workshop on "Smart Grid and Renewable Energy"	Bangalore	26th to 27th November- 2015 at Bangalore
8 0	Dr.K.H.PhaniSre e Assistant Professor	EEE	Two-day workshop on "Smart Grid and Renewable Energy	angalore	26th to 27th November- 2015 at Bangalore
8 1	Sri. P. Venkata Narayana Assistant Professor	EEE	Two-day workshop on "Smart Grid and Renewable Energy	Bangalore	26th to 27th November- 2015 at Bangalore
8 2	Dr. B.V. Sanker Ram Professor	EEE	Two-day workshop on "Smart Grid and Renewable Energy	Bangalore	26th to 27th November- 2015 at Bangalore
8 3	Dr. K. Bhaskar Assistant Professor	EEE	Smart Grid and Renewable Energy	Bangalore	26th to 27th November- 2015 at Bangalore
8 4	Dr.S.TaraKalyani Professor& Head	EEE	Quality Initiative in Technical & Higher Educational Institutions"	Engineering Staff College of India, Hyderabad.	during 16th to 18th December-2015

8 5	Mr. K. Ranjith Kumar Full-time Research scholar	EEE	Renewable Enenrgy, Smart Grid and Micro grid	G. Pullareddy Engineering College(Autono mous) Kurnool, Andhra Pradesh	11th December-2015
8 6	Dr. M. Surya Kalavathi Professor	EEE	Renewable Enenrgy, Smart Grid and Micro grid	G.Pulla Reddy Engineering College (Autonomous) Kurnool, Andhra Pradesh	11th December-2015
8 7	Dr. K. Bhaskar Assistant Professor	EEE	Smart Grid and Renewable Energy	Bangalore	26th to 27th November- 2015
8 8	Mr. B. Rama Mohan Associate professor	CSE	Short Term Course on "Time Series Modeling and Forecasting using E-Views package	NIT Rourkela	27th to 30th January-2016
8 9	Dr. P. Prasanna Assistant Professor	Mechanic al	Two-day workshop on "Advanced Cognitive And Other Optimization Techniques ACOOT2016"	JNTUH College of Engineering, Hyderabad	during 8th to 9th January-2016
9 0	Dr. G. Satish Babu Professor	Mechanic al	Two-day workshop on "Advanced Cognitive And Other Optimization Techniques ACOOT2016"	JNTUH College of Engineering, Hyderabad	during 8th to 9th January-2016
9 1	Dr. V. Kamakshi Prasad Professor & Head	CSE	Two-day workshop on "Advanced Cognitive And Other Optimization Techniques ACOOT2016	JNTUH College of Engineering, Hyderabad	during 8th to 9th January-2016
9 2	Dr. S. Tara Kalyani, Professor & Head	EEE	Two-day workshop on "Advanced Cognitive And Other Optimization Techniques ACOOT2016	JNTUH College of Engineering, Hyderabad	during 8th to 9th January-2016
9 3	Mrs. A. Kavitha, Assistant Professor	CSE	Faculty Development Program, (FDP) on "Mobile Application Development for Android"	NIT, Warangal	during 1st to 12th February-2016
9 4	A. Jaya laxmi Professor	EEE	Short term course on "Advance Control Techniques in Electrical and Electronics Engineering	IIT Roorkee, Uttarakhand,	during 22nd to 26th February-2016
9 5	Mr. B. Rama Mohan Associate Professor	CSE	Three day workshop on "Recent Trends in Software Testing	National Institute of	during 16th to 18th May-2016

				Technology, Rourkela	
96	Dr. K. Eshwara Prasad, Professor	Mechanical	Quality Initiatives in Technical & Higher Educational Institutions (In Compliance with NBA & NAAC Accreditation)"	ESCI Campus, Hyderabad	during 3rd to 5th May-2016
97	Dr. P. Sravana Professor	Civil	Faculty Development Programme	H.P State Center, Engineers Bhawan, Nigam Vihar, Shimla	during 25th to 27th May-2016
98	Dr. P. Srinivasa Rao	Civil	Faculty Development Programme	H.P State Center, Engineers Bhawan, Nigam Vihar, Shimla	during 25th to 27th May-2016
99	Dr. A. Kavitha, Assistant Professor	CSE	Faculty Development Program, (FDP) on Advanced Web Technologies	NIT, Warangal	during18th to 27th May-2016,
100	Dr. P. Prasanna, Assistant Professor	Mechanical	Three Day National Conference on "Advancements in Aeromechanical Materials for Manufacturing, ICAAMM-2016	JNTUH College of Engineering, Hyderabad	during 7th to 9th July-2016
101	Mr. B. Rama Mohan Associate Professor	CSE	Five day Short term training Program on "Big Data Analytics	SardarVallabhbhai National Institute of Technology, Surat	during 27th June to 01st July-2016

III. OVERVIEW OF TRAINING PROGRAMMES FOR STAFF

Table presents details of Staff who have attended various Training programmes through TEQIP II

Sl. No	Name of the Faculty	Department	Title of Programme	Organising institute and venue	Date of Programme
1	A.Srinivas	Assistant Registrar	Capacity Building TrainingPorgramme	Bangalore	September 2014

2	B.Kishan	Superindent	Capacity Building Training orgramme	Bangalore	September 2014
3	Smt.J.Sudha Madhuri	Deputy Registrar	Capacity Building Training Porgramme	Bangalore	September 2014
4	Sri. P. Domodar Reddy	Senior Assistant	Capacity Building Training orgramme	Bangalore	September 2014
5	Smt., Padmavathi	Assistant Registrar	Capacity Building Training Porgramme	Bangalore	September 2014
6	A. Goverdhan	Junior Assistant	Capacity Building Training Porgramme	Bangalore	September 2014

The following non-teaching staff have attended Management Capacity Enhancement Programmes in various reputed institutions in their field of interest. After attending these programs their skills are improved in their field of interest.

4. CONSOLIDATION OF INTERVIEW RESPONSES

I. INTERVIEW WITH PRINCIPAL, BOG MEMBERS AND TEQIP COORDINATORS

The Principal of JNTU college of Engineering shared that this institution had been started in 1965 renamed as JNTU College of Engineering in 1972 and had been granted academic autonomy in 2011.

i. BENEFITS FROM TEQIP

The principal shared that TEQIP I was a wonderful program which provided the funds for the infrastructural development and various laboratory equipment in the institution. They were able to establish the state of the art laboratories through the funding and many of the laboratories have been renovated. Further, new equipment has been procured and good laboratories have been created for the benefit of the students, faculty members and also for research scholars. According to him, the main benefit of TEQIP has been encouragement of a research culture among the faculty members and also among the students. Several conferences have been organized by the faculty members and lot of participation has happened from the faculty fraternity at the national and also at the international level. Many of the research scholars including many of our faculty members who are also research scholars keep publishing their research output. In many of the cases when TEQIP was not yet introduced, many of the scholars used to publish papers in journals but there was less participation in international conferences due to high amounts to be incurred towards travel and the registration fees. However, after

TEQIP was introduced, it has really helped all the researchers to get themselves facilitated in terms of travel grant and also registration fee with which they were in a position to improve their presentations and publications also in terms of the numbers and in terms of the quality. Based on the experiences of the TEQIP I & II, the observation and the experience is that it has really given the opportunity to all the faculty members to grow themselves in terms of the capacity building in terms of the enhancing their skill set especially related to the research culture.

The BOG members shared that as a faculty member academic administration programs are regularly organised using academic staff colleges. These programmes focus on academic administration and are conducted regularly every year for faculty members and the institute also opens it for the faculty members of the affiliated colleges. These have been useful in understanding management skills related to students, non- teaching staff and many other different stakeholders.

Two Board of Governance members also shared their views. It was learnt from the interviews that TEQIP I & II have led to a lot of developments in both infrastructure and faculty. There is a marked improvement in the quality of student intake. To some extent this could be attributed to the new equipment added at both under graduate level and post graduate levels. There has been an increase in faculty recruitment due to equipment purchased for the research purposes. The university is able to offer scholarships to Post graduate students from TEQIP funds, which is also one reason for improvement in quality of students. The institute is offering Postgraduate programs in different disciplines supported through TEQIP funds. Due to this drastic changes have been taking place in the university academic parameters across the college. The college could introduce the latest laboratories for the students and in addition many of our faculty went abroad to different universities and as a part of their lab presentations and have attended many small programs using the funds from TEQIP I & II.

According to them, TEQIP has supported in improving academics and as well as research by providing the financial support for the faculty as well as in other students who attend the conferences to present their papers. The BOG members also shared an instance when a faculty (professor) could purchase a recently developed equipment for the lab through which there was a consequent change in the curriculum which tried to address the current requirement of the nation in terms of updated technology. Due to sanctioned availability of funds, the Principal as a representative of the BOG is able to quickly make decisions on the approval for financial grants for various activities because the BOG has delegated some powers to this role. The decision making time has been considerably reduced. Additionally, in certain instances, the BOG members have been able to apply their mind and reallocate the spending from TEQIP funds based on the prioritization of the institute.

Once the performance indicators were satisfied in TEQIP I, ensured funds enabled faculty to attend international level conferences and seminars. The BOG committee scrutinizes various proposals and approves the fund for the faculty. The BOG is able to approve of grants for international travel for conference paper presentation, R& D activity and projects.This facility of BOG approvals, rather than NPIU, or SPFU approvals were possible because the college was able to meet the performance indicators.

ii.   BENEFITS FROM MCEPS

The Principal opined that when faculty are exposed to different kinds of higher level institutions and higher levels of learning, it helps them to raise their levels of capability. Whenever a faculty member or a team goes to some other places for faculty development programs or various kinds of programs they are encouraged to arrange similar kind of programs at the institute so that the knowledge gained, gets transferred to other faculty who have not yet been in a position to attend those programmes. Faculty members from other institutes under the university are also invited to these programmes.

On benefits from TEQIP, the TEQIP coordinator shared that there was an increased outcomes in research and consultancy in the institute after the TEQIP intervention. The TEQIP coordinator shared that in TEQIP I, the college was able to get around fourteen crores which was used for procurement of a lot of equipment and establishing new laboratories particularly for the Undergraduate programs and all the exiting laboratories have been renovated and new sophisticated equipment which had also increased consultancy work. In certain deparments like civil engineering, the earnings from consultancy has increased from about 30 lakhs to more than a crore.

The Post graduate students who do not get the GATE scholarships have been able to get the TEQIP benefit. Nearly twenty to thirty students have been benefited. They are assigned 8 hours per week to work in the laboratories.

The TEQIP coordinator also shared that In TEQIP II, many faculty have attended the Faculty development programmes, as well as conferences and workshops outside the country. Those who attended have interacted and have been giving feedback to other faculty members within the departments. Those who attended have given some internal workshops and have given feedback on the things that they learned and shared the course materials. This has led to an initiative along with School of Management studies within the university and they have conducted similar programs in-house. Feedback was also provided to the State Project Facilitation Unit which arranged for many programmes through the Engineering staff college.

iii.   SUGGESTIONS FOR FUTURE

The Principal expressed that although many TEQIP programs are being held across the country in various institutions, many of the faculty members may not be in position to participate though there is an opportunity because of the simultaneous schedules and teaching engagements.

 The BOG members felt that instead of sending all the faculty members to programmes by faculty from outside, faculty members from IIMs can be deputed to spend some time at the University Centre which can benefit both faculty within the university as well as those from affiliating colleges. This model of in house training getting faculty from outside will be one where more faculty can get benefited. If resource persons come from other institutes and train many people internally, they in turn can support training other affiliated colleges and departments.

Regarding suggestions from the TEQIP coordinator, if the programmes are organized in the vacation period in the month of May or June, many people can attend and get benefited. If programmes are

conducted within the campus through bringing resource persons from outside, many of the affiliated colleges can also participate and get benefited. More focus needs to be given in learning to improve industry interaction and collaboration. In the college, many advisory committees have been formed in each department and we are meeting and trying to improve many skills. However, more things need to be learnt, especially industry interaction. For TEQIP III MCEPs, this could be one important area of focus.

II.   INTERVIEW WITH TRAINED FACULTY

i. BENEFITS FROM MCEPS

The faculty perceive various types of benefits from these programmes based on individual programme experience. It was felt that these programmes are useful for those who want to go for some administrative positions. These were viewed as very helpful especially for the administrator cum managers who will actually will be taking up administrative positions in the future.

Topics that they have found particularly useful are the following –

- Applying for patents and importance of patents and IPR
- Effective allocation of budgets mainly form a university macro and micro levels
- Importance of goals and aim of an institution
- Over all structure of the organization and financial structure of the organization
- Managing people in the organization
- Outcome based teaching & learning
- Roles of the administration
- People and their roles in the administration
- Brand building
- Developing research culture in organization
- Understanding self
- Psychology with the bosses and subordinates
- Micro economics demand and supplies curves seen as not very relevant by a few faculty
- Website management

The interactive sessions were very interesting. One of the faculty shared that he is trying to implement outcome based and goal based framework in his teaching and is looking for a thematic area and problems which bring together institution and industry. This was an outcome of the MCEP training. He added that this should be helpful for undergraduate students. Another faculty shared that he was working on brand building in his laboratory which is doing lot of research and consultancy. Some of them have been able to initiate industry interaction industry institute interaction cell in the department including alumni into the team, which was based on an insight they gathered from the MCEPs. As a Head of the department, one faculty feels that this programme has helped him a lot to improve the coordination among the people including faculty, staff and students. He could put more efforts on how to improve research culture in the department and how to utilize the research effectively.

ii.   SUGGESTIONS FOR FUTURE

It would be better to group institutions of similar features and train them based upon their context. The content delivered across is not standardized the MCEPs from all IIMs. That can be attempted.

III.   INTERVIEW WITH UNTRAINED FACULTY
i. BENEFITS FROM MCEPS

One of those who did not attend any MCEP observed a change in the colleague who had been trained in the MCEP, on the overall approach towards adapting to the requirement of the present day conditions. Some others felt that they observed lot of change in the trained faculty in their approach regarding interpersonal management and how they are handling the student and the class.

One major point identified by an untrained faculty is that today's academic environment is changing. One needs to learn administration and management. In the changing scenario, there is a need for a lot of changes that are to be implemented in the college level. For example, it could be about managing different cross section of students who are having varied skill sets and varied aspirations and how need to be synergized and handled inside and outside the classroom. As an institution, there are multiple committees who are coming and trying to evaluate the college performance. In that context, one of them expressed that learning of management helps to showcase the huge amount of work being done by faculty and the student in the college and project it to the rest of the world.

ii. SUGGESTIONS FOR FUTURE
No particular suggestions were offered by untrained faculty.

IV.   INTERVIEW WITH STAFF

i.   BENEFITS FROM MCEPS
Some of the staff whom the interviewers were able to meet shared that when they attended the program we are getting more knowledge and in work place and how to manage time and capacity to work. There was improvement in lab management.

ii.   SUGGESTIONS FOR FUTURE
There were no suggestions offered by the staff.

V. INTERVIEW WITH STUDENTS
i.   BENEFITS FROM TEQIP

The interviewers got an opportunity to speak to a few undergraduate, postgraduate and doctoral students at JNTU college of Engineering. The undergraduate students shared that they do get sponsorship to do some projects through TEQIP funds. The M.tech students shared that it is a great privilege provided by the university from which they get funded in many ways; like attending many workshops, seminars and

also international seminars in the college with the help of the TEQIP. Workshops on recent topics has helped to update knowledge. They get opportunities to attend such seminars like cloud computing and virtualization big data and are very happy to interact with eminent professors from outside.

They get opportunities to undertake projects in TEQIP sponsored labs which are very well constructed with the latest equipment and processes. These labs are very useful to undertake experimental lab based projects. The Post graduate students have been able to support the undergraduate students by sharing this knowledge with them. These students are given the opportunity to teach undergraduate students who are juniors to and this has been a good platform to improve on their teaching skills.

The PhD scholars get a stipend which helps them in self-sustenance and TEQIP also offers various types of sponsorships to attend management related and technical workshops. Interactions through TEQIP sponsored workshops by renowned faculty from outside is greatly appreciated by the students. They shared that they have purchased many equipments and have conducted many experiments and have published some papers in conferences and journals and all this has been possible to a great extent through TEQIP grants. TEQIP grants help the students to attend different programmes in other colleges and this has increased their exposure. Some of the students expressed that the TEQIP stipend was a great source of support to them as they were from poor socio-economic backgrounds.

ii.   SUGGESTIONS FOR FUTURE

Sponsorships to attend international universities will be helpful for better exposure.

5. CONSOLIDATION OF RESPONSES FROM QUESTIONNAIRES

There were two questionnaires that were sent by the NPIU. These were used to measure the perceptions and benefits from the programme.

Additionally, the IIM Trichy team created a ten item questionnaire to assess views on institution building covering five areas – Programmes, faculty development, Research, Community and Industry interface. These have been emphasized in the Strategic Implementation project that the participants take up during the MCEP programmes of IIM Tiruchirappalli.

The rationale for collecting this data from the faculty who had undergone training as well as those who had not, was to compare their viewpoints on these dimensions; to check whether the Management capacity enhancement programmes had created a change in outlook. The results are presented in four sections.

- Qualitative responses from trained faculty
- Analysis of quantitative responses from trained faculty
- Analysis of quantitative responses from untrained faculty

- Comparison of quantitative responses from trained and untrained faculty on views on institutional growth

I. QUALITATIVE RESPONSES FROM TRAINED FACULTY ON MCEPS

TABLES 5.1.1 PRESENTS BEST ASPECTS OF MCEP TRAINING

S.No	Name of Participant	Name of the IIMs where participated	1. What were the BEST ASPECTS of the training?
1	Dr.B.Dean Kumar	IIM Lucknow (Noida Campus)	1.The sessions on Branding building, understanding self and right to information and academic institutions were good sessions
2	Smt. Pamavathi	Capacity Building Training Bangalore	1. Lectures given by eminent speakers in different subjects visit 2.Time management, communication skills group discussions 3.Management of office and house and behaviour with colleagues discipline and punctuality which are useful for personality development
3	Dr.D.Sreenivasa Rao	IIM Kozhikode	1.Session are handled regularly and maintained punctuality 2.Lecture sequence is property arranged 3.Content delivery is good
4	Dr.Satya Savithri	IIM Lucknow (Noida Campus)	1.Stratigic planning and implementation 2.Real life case discussion 3.Experience sharing 4.Stress management and legal aspects
5	Dr.S. Tara Kalyani	IIM Trichy	1.Content delivery 2.System in place(all aspects including travel, hospitality and so on in additions to course content) 3.Senior experienced talented resource persons
6	P.ventata narayana	IIM Trichy	1.Motivating and guiding the faculty to know the innate aspects of improving an academic institution
7	K.P. Supreethi	IIM Bangalore	1.Venue arrangements were good 2.Lab practical hand on was ok
8	Dr.M. Indira Rani	IIM Bangalore	_____

9	Ms.K.Neeraja	IIM Lucknow (Noida Campus)	1.The topic which are best 1.Critical thinking 2.Brand name
10	Padmaja Rani	IIM Lucknow (Noida Campus)	1.Administration
11	Ms.M.Nagaratna	IIM Lucknow (Noida Campus)	1.The topic which are best 1.Critical thinking 2.Brand name
12	Dr. K Bhaskar	IIM Trichy	1. Importance of Goal & AIM of institutions in teaching and learning 2.Managing the people in the organization 3.IPR students of institute and financial standard
13	Dr.S.S Tulasi Ram	IIM Trichy	1.Training is informative and knowledgeable

TABLES 5.1.2 PRESENTS THREE CHANGES AS A RESULT OF MCEP TRAINING

S.No	Name of Participant	Name of the IIMs where participated	2. Three changes in your practices as a result of this training that you are using in your institute?
1	Dr.B.Dean Kumar	IIM Lucknow (Noida Campus)	1. Effective participation of students for effective teaching 2.Estimating the psychology of the individuals for effective corporation
2	Smt. Pamavathi	Capacity Building Training Bangalore	1.Punctuality 3.Improvement in quality work 3.Good behaviour among colleagues
3	Dr.D.Sreenivasa Rao	IIM Kozhikode	1.Making use of resources effectively 3.Providing better coordination among people 2.Providing and developing research culture
4	Dr.Satya Savithri	IIM Lucknow (Noida Campus)	1.Writing project reports in comprehensive analytical manner 2.Managing overlapping responsibilities 3.Doing project related to local community
5	Dr.S. Tara Kalyani	IIM Trichy	1. Providing stay within the campus can save lot of time. 2.NPTEL visit was not helpful

			instead visit to any relevant labs will be helpful
6	P.ventata narayana	IIM Trichy	1. Started interacting with students the development of alumni 2.Industry institute interaction.
7	K.P. Supreethi	IIM Bangalore	1.No changes
8	Dr.M. Indira Rani	IIM Bangalore	1.Usage of website 2.Assignements and check to plagiarism in assignments 3.Project allotment
9	Ms.K.Neeraja	IIM Lucknow (Noida Campus)	1.I applied critical thinking concepts to solve small problems 2.Brand name: To improve the quality of teaching I have conducted 1 weak faculty development program with the resource persons form IITs, Nits and IIITs
10	Padmaja Rani	IIM Lucknow (Noida Campus)	_____
11	Ms.M.Nagaratna	IIM Lucknow (Noida Campus)	1 I applied critical thinking concepts to solve small problem 2.Brand name: To improve the quality to teaching I have conducted 1 week faculty development programme with the research personal from IITs and NITs and IITs
12	Dr. K Bhaskar	IIM Trichy	1.Outcome of goal based teaching 2.Looking for problems which bring together institute and industry 3.To take up & PG projects for community welfare
13	Dr.S.S Tulasi Ram	IIM Trichy	1.Planning of task and executing it has been highlighted 2.Mutual interactive sessions/brain storing 3.Interacting with various sections of people in the community

TABLES 5.1.3 PRESENTS THREE SUGGESTIONS TO ENHANCE EFFECTIVENESS OF MCEP TRAINING

S.No	Name of Participant	Name of the IIMs where participated	3. Three suggestions for enhancing effectiveness of training?
1	Dr.B.Dean Kumar	IIM Lucknow (Noida Campus)	1. Session on understanding self should be increased 2. Three days sessions in tow spells in a span of 6 months 3.The class size should be limited
2	Smt. Pamavathi	Capacity Building Training Bangalore	1.In my view as participant there are no more suggestions for enhancing effectiveness of training over all the programme has given very good suggesting in each and every aspect
3	Dr.D.Sreenivasa Rao	IIM Kozhikode	1.More practice sessions is required 2.More focus towards the objective of training is needed
4	Dr.Satya Savithri	IIM Lucknow (Noida Campus)	1.Management methods suitable for technical colleges has to be taught 2.Analytical examples written engineering education do and sent written university education 3.More legal aspects with respect to universities are needed
5	Dr.S. Tara Kalyani	IIM Trichy	1.Change in dealing day to day issues in administration following win - win logic to possible extent 2.Adopted some industry interaction goal setting and in house projects
6	P.ventata narayana	IIM Trichy	1.First know the level of participants and administrative experience 2.Their expectation through course 3.Dont take faculty NPTEL and NIC
7	K.P. Supreethi	IIM Bangalore	-----------
8	Dr.M. Indira Rani	IIM Bangalore	1.Practice session to be included 2.College institutions wise training to be given 3.Post training support to be extended
9	Ms.K.Neeraja	IIM Lucknow (Noida Campus)	1.over all the program is very good 2.I suggest to add the management aspects specific to head of the institutions in government institutions
10	Padmaja Rani	IIM Lucknow	1.Need to be more relevant

		(Noida Campus)	
11	Ms.M.Nagaratna	IIM Lucknow (Noida Campus)	1.Over all the programme is very good 2.I suggest to add the management aspects specific to head of the institutions in the government institutions
12	Dr. K Bhaskar	IIM Trichy	1.I suggest to group institution of similar features and train them.(Do not mix all) 2.The tanining should vary based on the receiving capability of the institution
13	Dr.S.S Tulasi Ram	IIM Trichy	1.Duration of full one week may be still useful 2.Visits to NPTEL and NIC have not really thrown light on specific issues 3.Participants are in similar level institutes may be selected for training

II.   QUANTITATIVE RESPONSES FROM TRAINED FACULTY ON MCEPS

FIGURE 5.2.1 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF TRAINED FACULTY ON COVERAGE OF OBJECTIVES, TOPICS AND DELIVERY OF TRAINING

JNTU College of Engineering,Hyderabad
Coverage of objectives, topics and delivery of the training during MCEP

Strongly Disagree 0%

Disagree 0%

Strongly agree 8%

Neither Agree nor disagree 0%

Agree 92%
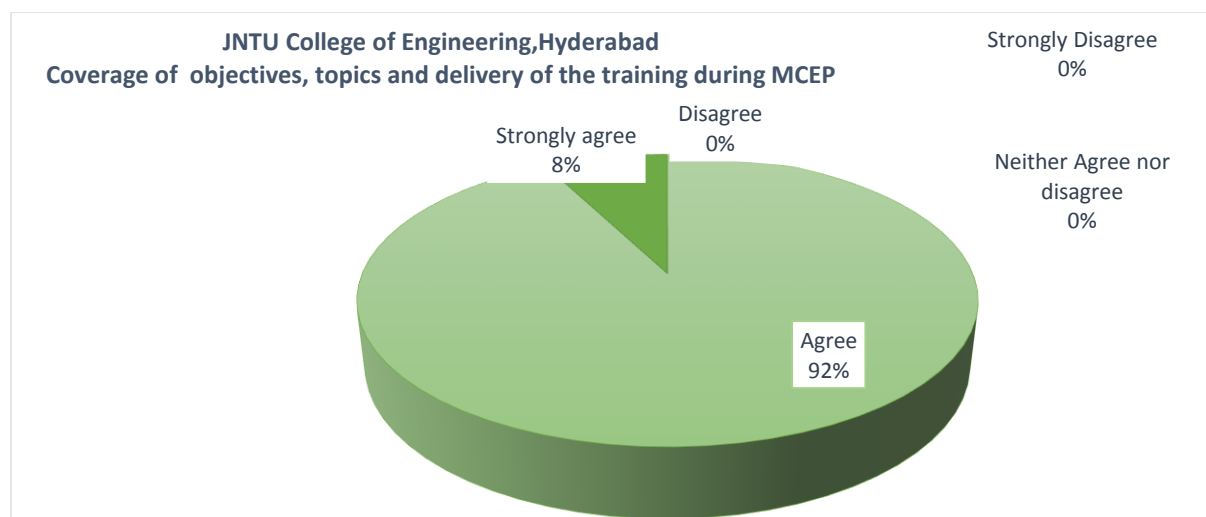
There is 100% agreement and satisfaction on the coverage of objectives, topics and delivery of the training during MCEP. All the faculty trained have liked the programme. 92% agree and the rest 8% strongly agree on the aptness of the coverage, objectives and delivery during the MCEPs.

FIGURES 5.2.2 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF TRAINED FACULTY ON USEFULNESS OF LEARNING AND INFORMATION FROM MCEPS

JNTU College of Engineering,Hyderabad
Useful learning and information during MCEP

- Strongly Disagree 0%
- Disagree 0%
- Neither Agree nor disagree 23%
- Strongly agree 15%
- Agree 62%
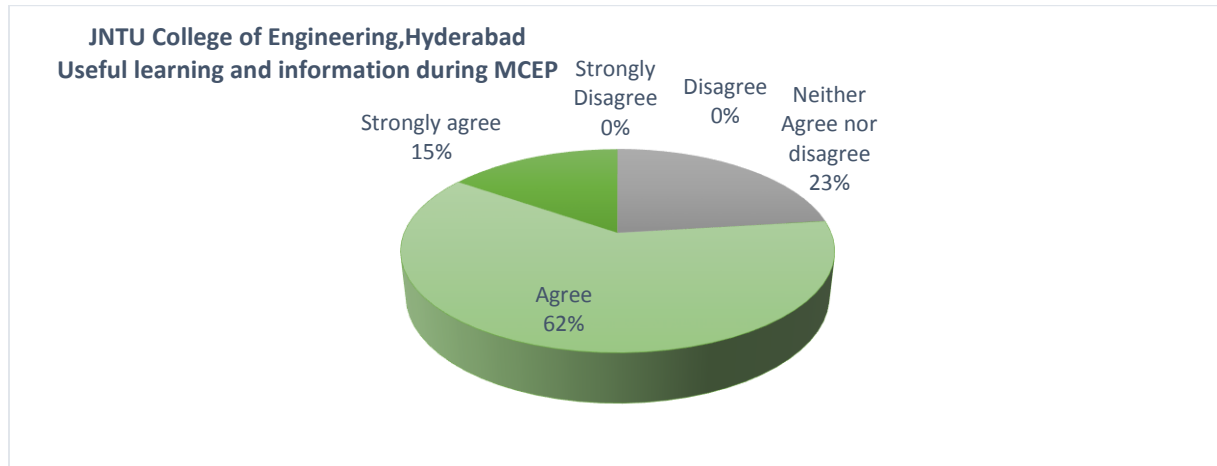
The perception of utility of the learning and information gained from the MCEPs has been satisfactory. The agreement on this is held by 77% of the respondents, of which 15% strongly agree while 62% agree to the same. Around 23% maintain a neutral stance, while there is absolutely no disagreement on the utility from the learning and information gained during the MCEPs.

FIGURES 5.2.3 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF TRAINED FACULTY ON RELEVANCE OF TRAINING TO CURRENT WORK FUNCTION

JNTU College of Engineering,Hyderabad
Relevance to current work for function

- Strongly Disagree 8%
- Disagree 8%
- Strongly agree 15%
- Agree 23%
- Neither Agree nor disagree 46%
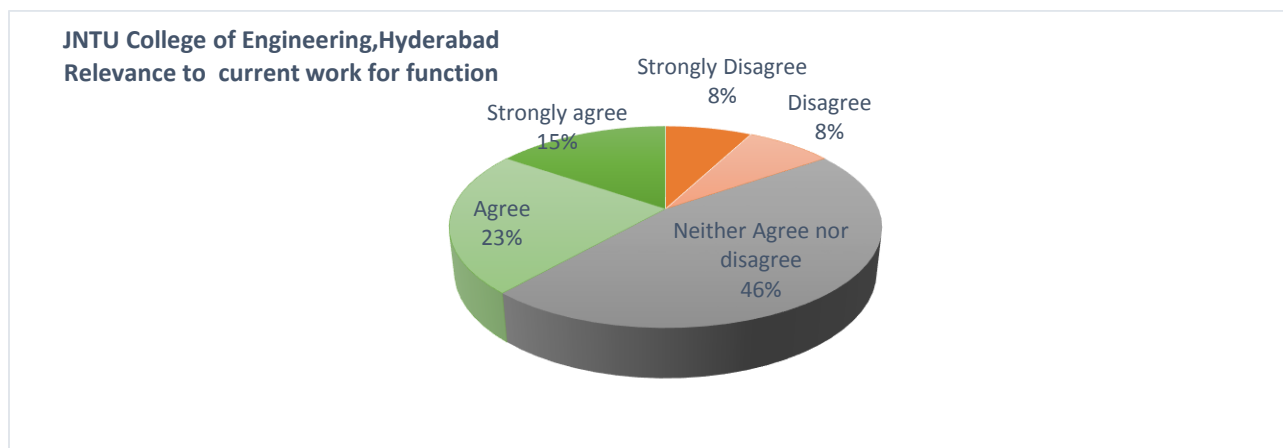
Only around 38% of the trained faculty agree that the training is relevant to the current work and function. This dimension is not seen as completely satisfactory to all in this institution. About 46%, nearly half, have no opinion whatsoever and take a neutral stance and a small percentage of 16% disagree that the training seems to be relevant to the current work and function.   There is only 38% agreement of the relevance of the training to current work. From the interviews, one point that emerged evident
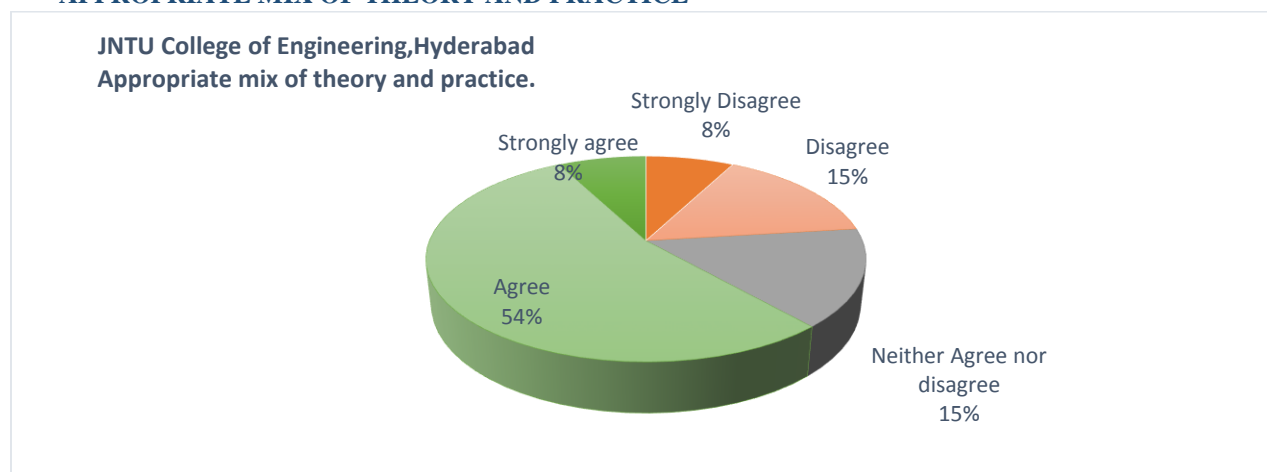
was on coverage on topics like micro economics which were perceived by a few to be irrelevant to their work, sometimes, when it did not involve any administration. That can be a basis to interpret this.

FIGURES 5.2.4 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF TRAINED FACULTY ON EXPLANATION ON EXPECTATIONS ON PROGRAMME PROVIDED BY TRAINERS

JNTU College of Engineering,Hyderabad
Explanation by training providers(IIMs) on expectations from training event

Strongly agree 15%
Disagree 8%
Neither Agree nor disagree 15%
Strongly Disagree 0%
Agree 62%
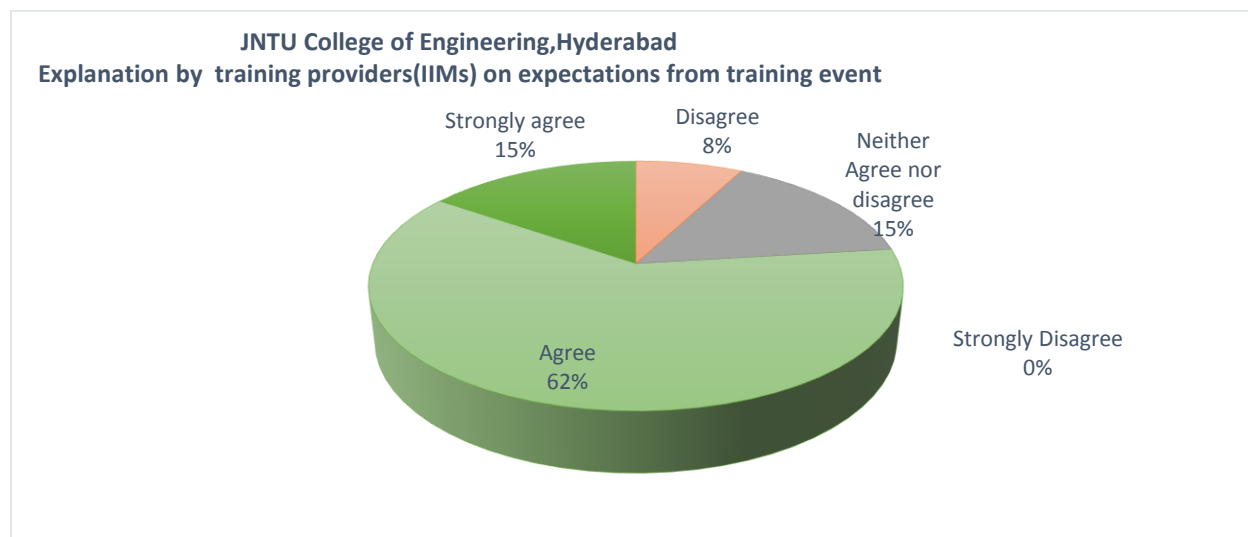
This pie chart reflects that the faculty are quite satisfied with the explanations provided by the trainers. There is 15% strong agreement and 62% agreement which is a total of 77% which is a majority. Most of the faculty agree that the expectations on the training had been set up and explained by the training faculty. Around 8% moderately disagree on this while 15% take a neutral stance.

FIGURES 5.2.5 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF TRAINED FACULTY ON APPROPRIATE MIX OF THEORY AND PRACTICE

JNTU College of Engineering,Hyderabad
Appropriate mix of theory and practice.

Strongly Disagree 8%
Strongly agree 8%
Disagree 15%
Agree 54%
Neither Agree nor disagree 15%

This pie chart reflects that though the faculty are quite satisfied with the mix of theory and practice during training, which is seen from an agreement percentage of 62%, a lower percentage of around 23% do not agree; 15% disagree and an additional 8% strongly disagree that there has been an appropriate mix of theory and practice. The majority agree on the mix of theory and practice in the learning rendered to them through MCEPs. Around 15% maintain a neutral stance.

FIGURES 5.2.6 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF TRAINED FACULTY ON USEFULNESS OF LEARNING TO ADMINISTRATIVE MANAGEMENT
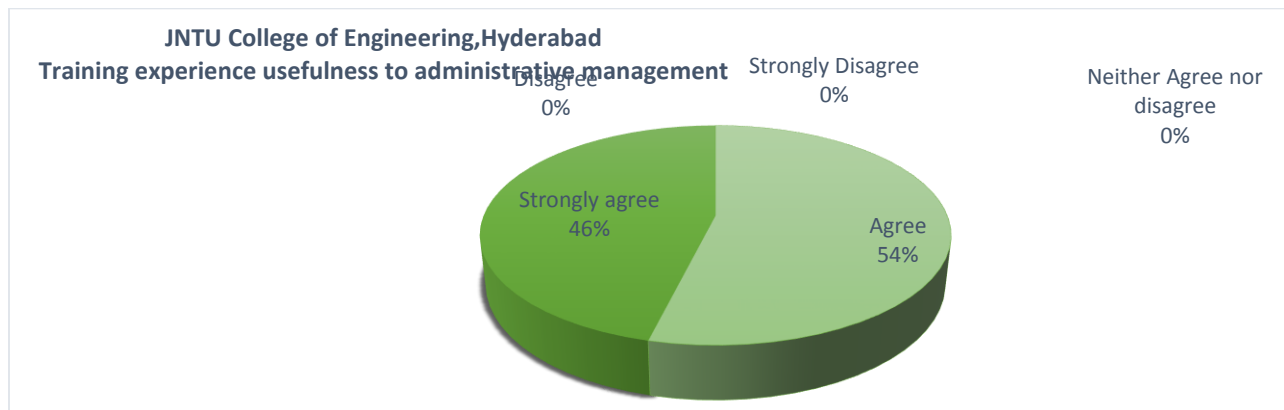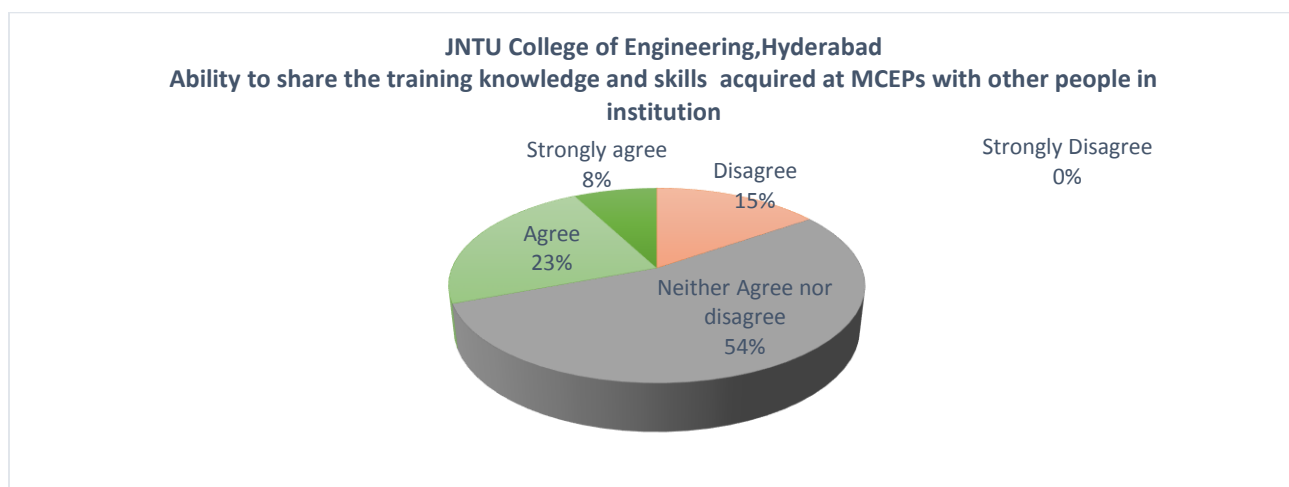

This pie chart reflects that the faculty are quite satisfied that the training experience and find it useful for administrative management. 46% strongly agree to this, and additionally 54% agree to this. There is no disagreement whatsoever on this dimension. It is interesting to note that although there have been disagreements on the MCEPs relevance to current work and functioning, almost all agree on the utility of these programmes to administrative management.

FIGURES 5.2.7 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF TRAINED FACULTY ON ACTIVE USE OF KNOWLEDGE AND SKILLS ACQUIRED IN CURRENT WORK
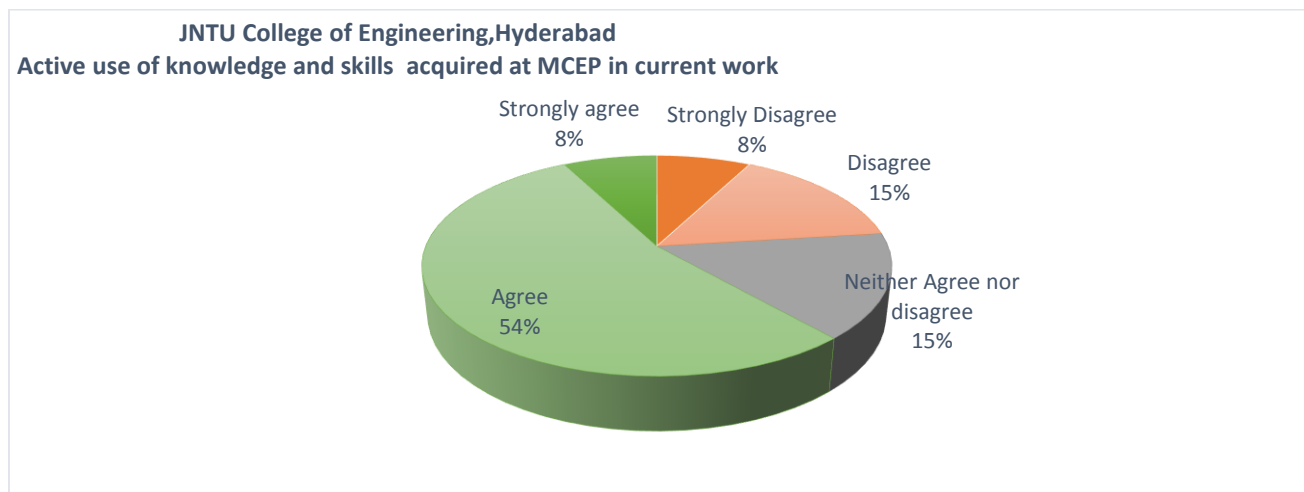
The percentage of agreement of the active use of knowledge and skills acquired at MCEPs in current work is 62% which is on the moderately higher side. Around 15% of faculty maintain a neutral stance on this. This could be because they have not yet assumed any administrative responsibility. 23%, roughly one-fourth indicate disagreement on this dimension.

FIGURES 5.2.8 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF TRAINED FACULTY ON ABILITY TO SHARE KNOWLEDGE AND SKILLS WITH OTHER PEOPLE AT INSTITUTE


JNTU College of Engineering,Hyderabad
Ability to share the training knowledge and skills acquired at MCEPs with other people in institution

- Strongly agree 8%
- Disagree 15%
- Strongly Disagree 0%
- Agree 23%
- Neither Agree nor disagree 54%

Only 31% of trained faculty agree on their being able to share the knowledge and skills acquired at MCEPs with the other people in the institution, in which 8% strongly agree and 23% agree. Around 54% maintain a neutral stance and 15% disagree. Since this is a university set up with a large campus and physically distributed departments, this may be a reason as to why sharing of knowledge is not taking place at a higher level.

FIGURES 5.2.9 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF TRAINED FACULTY ON WANTING OTHERS FROM INSTITUTE TO ATTEND TRAINING

JNTU College of Engineering,Hyderabad
Should others from institution attend MCEP

- Neither Agree nor disagree 0%
- Disagree 0%
- Strongly agree 23%
- Agree 77%
- Strongly Disagree 0%
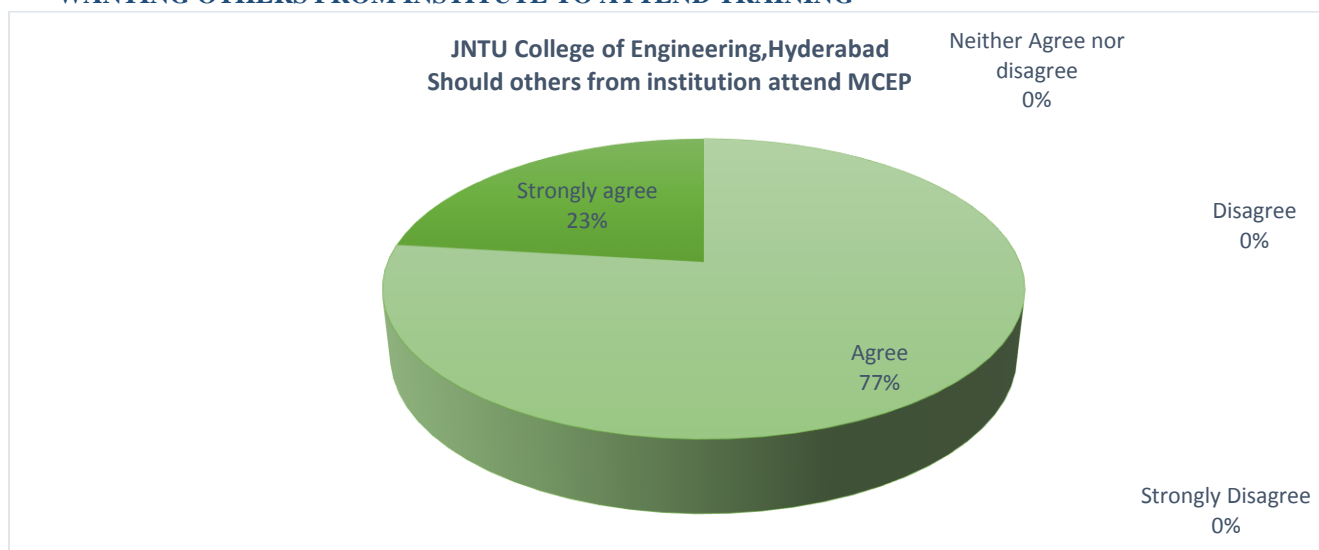
There is 100% agreement on views on recommending other faculty and colleagues to attend the MCEPs. 77% agree while 23% strongly agree. There is a high level of interest in MCEPs. The trained faculty seem to understand that their colleagues will also greatly benefit from the MCEPs.

FIGURES 5.2.10 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF TRAINED FACULTY ON OVERALL RATING OF MCEP EFFECTIVENESS
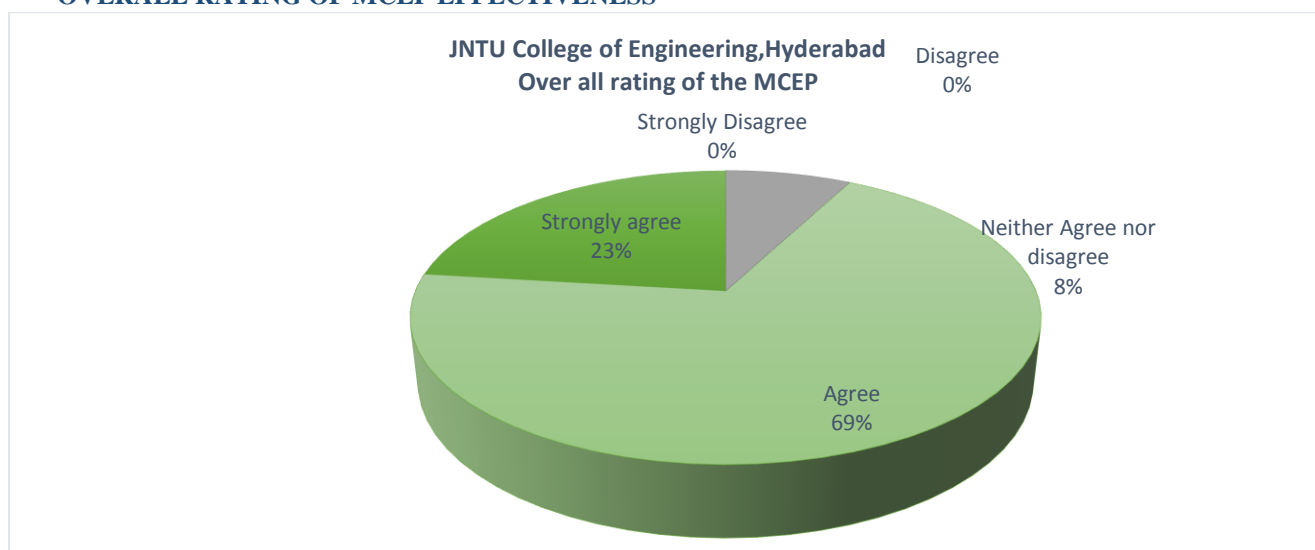
There is 92% agreement on views on the overall rating of the MCEPs. 69% agree while 23% strongly agree. There is a high level of interest in MCEPs. Around 8% maintain a neutral stance. There is no disagreement whatsoever. There is an overall very favourable response to MCEPs.

### III.   QUANTITATIVE RESPONSES FROM UNTRAINED FACULTY ON MCEPS

FIGURES 5.3.1 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF UNTRAINED FACULTY ON BEING INVITED, BUT NOT BEING ABLE TO ATTEND
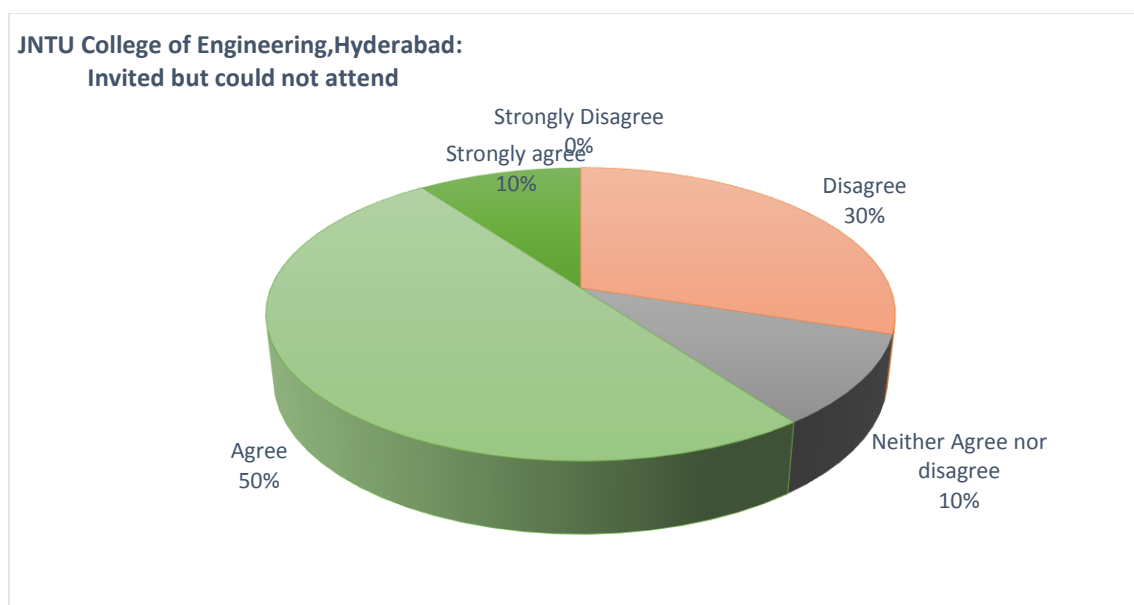
Around 10% of untrained faculty maintain a neutral stance, which means they do not have any comments. We see a highly motivated set, around 60%, among which 50% agree and 10% strongly agree on being invited, but have not been able to attend due to prior commitments or other pressing
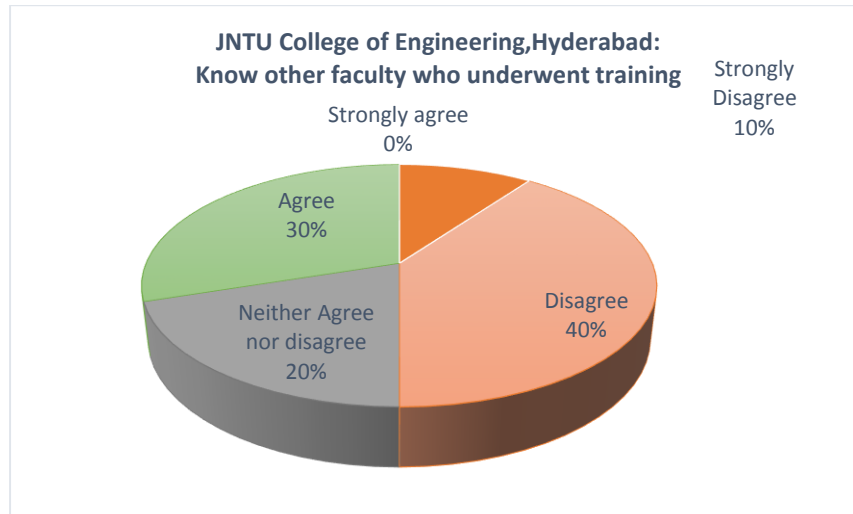
institutional work that could have probably arisen which have come in their way of attending the programme. The percentage of people indicating disagreement is around 30% which can be interpreted that that they may not have been invited or even known about the programmes. As seen from the interviews, the finding reveals that even among the untrained, there is a lot of enthusiasm to attend these programmes, so it could have been inability to attend due to various reasons like short notice announcements.

FIGURES 5.3.2 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF UNTRAINED FACULTY ON BEING INTERESTED BUT NOT INVITED
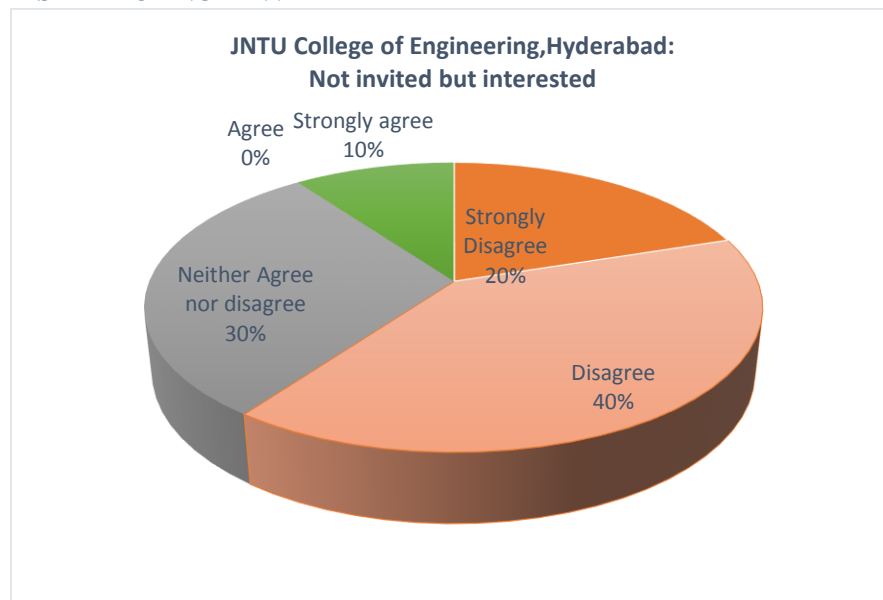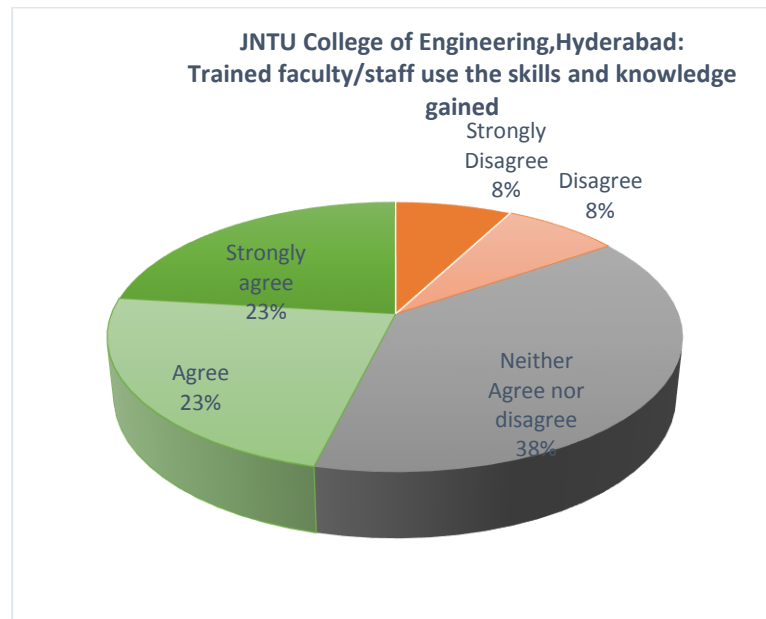

Around 60 % of the faculty disagree that they were not invited, but are interested. This can be interpreted that the faculty of the institute have not been interested though they have not missed out on the information and invitation. It could also mean that they are just not interested. From the qualitative inputs gathered during the interviews, we find that the motivation to attend MCEPs is high. Hence, the former interpretation could hold good. The rest, around 30% maintain a neutral stance from which nothing can be inferred. 10% indicate agreement which could mean they felt they were not invited or that they did not get the information, but are interested.

FIGURES 5.3.3 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF UNTRAINED FACULTY ON KNOWING OTHER FACULTY WHO UNDERWENT TRAINING

JNTU College of Engineering,Hyderabad: Know other faculty who underwent training

Strongly agree 0%
Strongly Disagree 10%
Agree 30%
Disagree 40%
Neither Agree nor disagree 20%

Only 30% of the faculty agree that they know other faculty who has undergone training. Around 40% disagree on this and another 10% strongly disagree to this. 20% maintain a neutral stance about which it is hard to interpret. The disagreement of around 50% could be interpreted in terms of less familiarity between departments as this is a university operating at a larger scale with exclusive departments spread over a bigger campus. Physical distance within the university maybe playing a role in this.

FIGURES 5.3.4 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF UNTRAINED FACULTY ON THE USE OF SKILLS AND KNOWLEDGE BY TRAINED FACULTY

JNTU College of Engineering,Hyderabad: Trained faculty/staff use the skills and knowledge gained

Strongly Disagree 8%
Disagree 8%
Strongly agree 23%
Agree 23%
Neither Agree nor disagree 38%

46% of the untrained faculty feel that those trained are able to make use of the knowledge and skills from the programme among which 23% moderately feel so and another 23% strongly feel so. Interestingly, about 38% maintain a neutral stance about which nothing can be interpreted. Around 16% disagree on this. Being a large university, spread over a larger physical distance, it maybe that people

are less aware of the specific ways in which many other faculty members make use of the knowledge from MCEPs and therefore have less to comment.

FIGURES 5.3.5 15 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF UNTRAINED FACULTY ON TRANSFER OF SKILLS FROM TRAINED FACULTY
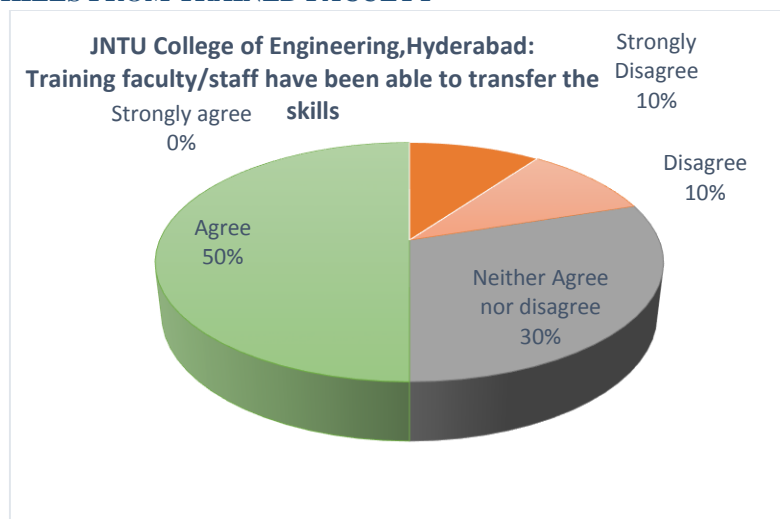
There is 50% agreement on the transfer of skills from trained faculty, as perceived by untrained faculty. Around 30% neither agree nor disagree. Around 20% indicate disagreement on this, of which 10% strongly disagree. Untrained faculty seem to have an equally divided opinion on the transfer of knowledge and skills from trained faculty.

FIGURES 5.3.6 SHOWS AGGREGATE ANALYSIS OF RESPONSES OF UNTRAINED FACULTY ON ENCOURAGING WORK ENVIRONMENT TO APPLY LEARNING FROM MCEPS
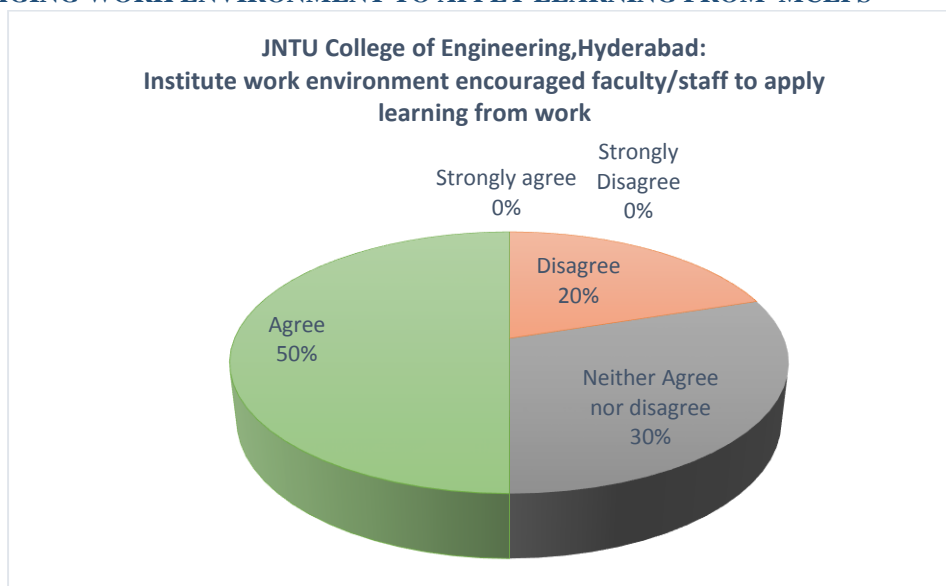
There is 50% agreement on the institute's facilitation and encouragement of faculty to apply learning from the MCEPs at work. Around 30% neither agree nor disagree. Around 20% indicate disagreement on this. In this also, there is an equally divided opinion. Faculty across the university must be having varied experiences.

IV. COMPARISON OF TRAINED AND UNTRAINED FACULTY ON VIEWS ON INSTITUTIONAL GROWTH

There were ten dimensions that were compared between trained and untrained faculty on views on institutional growth in the areas of programmes, faculty development, research, industry interface and community. The table presents the mean differences on the team items that were measured. We can view the findings on the significant differences from the next table.

TABLE 5.4.1 PRESENTS THE MEAN AND STANDARD DEVIATION OF THE TRAINED AND UNTRAINED FACULTY ON THE TEN VIEWS ON INSTITUTIONAL GROWTH

Group Statistics					
Dimensions	Trained = 2 Nontrained=1	N	Mean	Std. Deviation	Std. Error Mean
Importance of starting new programmes	1	10	3.00	1.764	.558
	2	13	4.08	1.115	.309
Goals and indicators for programme improvement	1	10	3.90	1.449	.458
	2	13	3.92	1.038	.288
Importance by faculty to attend seminars and conferences	1	10	4.40	.699	.221
	2	13	4.08	1.441	.400
Importance of Research publications for faculty appraisal and performance	1	10	4.10	1.197	.379
	2	13	3.92	1.441	.400
Importance for institutional grants to attend conferences and seminars	1	10	3.80	1.549	.490
	2	13	3.62	1.502	.417
Importance for faculty taking up engagements and projects with industry	1	10	4.40	.699	.221
	2	13	4.31	1.377	.382
Importance by faculty to establish relationship with companies and industry	1	10	4.60	.516	.163
	2	13	4.77	.439	.122
Need for Institute involvement with the community	1	10	4.00	1.155	.365
	2	13	3.54	1.761	.489
Value of student projects to community	1	10	3.70	1.567	.496
	2	13	3.23	1.922	.533
Importance to be given to Institute support for local entrepreneurs	1	10	4.00	.667	.211
	2	13	4.08	.862	.239

TABLES 5.4.2 PRESENTS THE RESULTS OF THE T TEST COMPARING TRAINED AND UNTRAINED FACULTY MEASURED ON THE TEN ITEMS ON VIEWS ON INSTITUTIONAL GROWTH SHOWING T VALUES AND THE SIGNIFICANCE LEVELS

Independent Samples Test									
Dimensions	Levene's Test for Equality of Variances		t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower	Upper
Importance of starting new programmes	2.567	.124	-1.791	21	.088	-1.077	.601	-2.328	.174
			-1.689	14.367	.113	-1.077	.638	-2.442	.288
Goals and indicators for programme improvement	.014	.908	-.045	21	.965	-.023	.518	-1.100	1.054
			-.043	15.672	.967	-.023	.541	-1.172	1.126
Importance by faculty to attend seminars and conferences	1.432	.245	.650	21	.523	.323	.497	-.711	1.357
			.707	18.196	.488	.323	.457	-.636	1.282
Importance of Research publications for faculty appraisal and performance	.125	.727	.313	21	.757	.177	.564	-.997	1.351
			.321	20.833	.751	.177	.551	-.969	1.322
Importance for institutional grants to attend conferences and seminars	.004	.952	.288	21	.776	.185	.640	-1.147	1.516
			.287	19.195	.777	.185	.643	-1.160	1.530
Importance for faculty taking up engagements and projects with industry	.534	.473	.193	21	.849	.092	.478	-.903	1.087
			.209	18.602	.837	.092	.441	-.833	1.018
Importance by faculty to establish relationship with companies and industry	2.423	.135	-.850	21	.405	-.169	.199	-.583	.245
			-.831	17.675	.417	-.169	.204	-.598	.259
Need for Institute involvement with the community	1.639	.214	.717	21	.481	.462	.644	-.878	1.801
			.757	20.586	.458	.462	.610	-.808	1.731

Value of student projects to community	.969	.336	.627	21	.537	.469	.748	-1.086	2.025
			.645	20.895	.526	.469	.728	-1.045	1.983
Importance to be given to Institute support for local entrepreneurs	2.393	.137	-.233	21	.818	-.077	.330	-.763	.609
			-.241	20.994	.812	-.077	.319	-.740	.586

From the table that shows the results of the t test, it can be seen that the faculty who have been trained through MCEPs are significantly different in the perception of the importance of starting new programmes as contributing to institutional growth (sig (0.088). The mean scores of the MCEP trained group is higher than that of the untrained group, which implies that MCEPs seem to have had an impact on this.

6. DISCUSSION, CONCLUSION AND RECOMMENDATIONS

The institute perceives a lot of benefits from TEQIP as shared by the principal, the BOG members and the TEQIP coordinator. The same holds true for MCEPs as well. They see a lot of change in the faculty, who are able to manage responsibilities better, which is important, as the institute has acquired autonomous status. Participation in the MCEPs has given the faculty more exposure and an awareness of how to build a system. They are more proactive in suggesting a lot initiatives for the institute.

Regarding the satisfaction of the trained faculty, more than 90% are satisfied with the coverage of objectives, topics and delivery of the programme as well as the information and learning gained. They are satisfied with the expectations set by the trainers. More than 85% feel that the knowledge and skills are useful to work and that the system encourages using those skills. Regarding transfer of knowledge and skills, there is a formal system built in the system. Sharing also happens informally, to extent that many untrained faculty are enthusiastic on what they could get from the training when they will be able to attend. The untrained see a lot of change in the trained faculty which is another strong source of motivation for them to attend. A comparison on views on institutional growth revealed significant differences between trained and untrained faculty on importance of goals and indicators to measure improvements in programmes. The MCEPs seems to have built some insight into the critical importance of research, which starts with conferences and matures into publication, as well as on clear indicators to measure growth and improvements in programmes. One recommendation that came through strongly is to evolve a design where more faculty could attend the programme, which can happen either based on an on-line model or through inviting faculty in-house.

Faculty are quite satisfied about the coverage of topics. However, they have also offered some suggestions to include more topics. Staff are also equally enthusiastic about being trained and have found a lot of value.

7. **APPENDIX**

JNTUH COLLEGE OF ENGINEERING HYDERABAD (AUTONOMOUS)

KUKATPALLY, HYDERABAD – 500 085 Telangana State

STATUS & ROAD MAP

(2015 – 2020)

JNTUH-CEH – STATEMENTS OF PURPOSE, VISION and MISSION for ROAD-MAP 2015-2020

The Vision and Mission Statements of JNTUH-CEH follow the successful previous Vision-Mission Statements of the unified JNTU and the present JNTUH, and are coherent with the requirements and priorities for the development of technological education in the state. The features of Vision and Values are consistent with the traditional development, industry needs, research and placement aspirations, technological growth and ambitions of the University.

The Mission and the College Identity Parameters underline the commitment of CEH to produce innovative and compatible engineers and researchers, and to make the JNTUH-CEH a Student-centric, Education-centric, Quality-centric and Research-centric Technological Institution, maintaining academic excellence, professional standards and humanitarian values.

STATEMENT OF PURPOSE

JNTUH-CEH has a phenomenal existence and wishes to play a continuous pivotal role in fostering technological education and research in identified areas of engineering, technology, sciences and management, by providing state of the art programmes leading to UG, PG and Ph.D. Degrees, and by maintaining right blends for Industry-University Interactions, compatibilities, and career placements.

VISION - 2020

JNTUH-CEH aims to be recognized as an Institution of Higher Learning in Technological Education and Research, with Global Accreditation and International Compatibility, that can provide quality teaching, learning environment and progressive research in diversified fields, infusing competence and commitment with academic freedom and professional integrity in the pursuit of knowledge, and addressing societal needs.

MISSION - 2020

To be identified as a Leading Technological University College, that is dedicated to provide a competitive learning environment for excellence in teaching and research programmes, and committed to produce highly creative and innovative engineers and scientists with a professional

outlook, who can successfully address the national and global problems, and to earn recognition as a Premier Institute of Technological Education and Research.

VALUES

JNTUH-CEH is committed to its Statements of Vision and Mission, with a defined set of Goals and Objectives, that ensure value based professional education in diversified areas, addressing the national interests and global concerns, ensuring - Equal Opportunity, Quality and Integrity, Transparency and Accountability, acknowledging the Traditional Outreach, Societal Needs and Healthy Criticisms. Resourcefulness, Mutual Respect for Accomplishments, Humanitarian Approach, Engagement of Faculty in Community Service shall be assured in all its actions and commitments.

OBJECTIVES

To establish a strong academic base for sustaining the growth and advancement of technological education in the State of Telangana.

To provide a motivating, enabling and competing environment for higher education in engineering/ sciences/ technology/ management, with relevant technical and professional skills in conventional and accelerated time formats.

To supplement the conventional teaching methods with design based methodologies, problem solving approach, on-line course contents, video/web conferences, e-books and other e-learning practices, ensuring global acceptability.

To create a scintillating and stimulating atmosphere for advancement of research, and knowledge acquirement in identified thrust areas and interdisciplinary fields, based on individual aspirations and proficiency.

To implement a comprehensive curriculum as per international norms, that emphasizes creativity, innovativeness, industry compatibility, application specific projects and research orientation.

To create a performance oriented platform for regular and integrated dual-degree programs in engineering/ sciences/ management, with enhanced standards ensuring adaptability to changing technologies.

To meet the growing demands of Academic Institutes, Industry Units and Organizations, for qualified and competent manpower.

To establish Research Labs. With state of the art equipment, licensed software and hardware components, and develop Centres for Excellence in Thrust Areas to promote College-Industry-R&D Organization Interaction.

To create a smoothly functioning administrative set up, ensuring transparency, accountability, resourcefulness and e-governance.

GOALS

Establishment of an educational base with sufficient infrastructure and development facilities, that can attract meritorious students to carry out UG/ PG/ Ph.D. Programs in conventional disciplines as well as inter-disciplinary areas.

Aligning resources and providing challenging avenues for exceptional students who are highly motivated and who have a desire to work on research oriented problems in a focused manner, in addition to addressing the needs of average and needy students.

Creation of multiple opportunities for all inquisitive and aspiring students, adding flexibility and keenness to acquire specialized knowledge and professional skills, to take up careers in research, teaching and industry.

Providing strong career/professional advancement features, with UG, PG, Ph.D. qualifications in continuity, within an optimized time format through Integrated Dual Degree Programs.

Establishing meaningful professional links with other Higher Institutes of Learning, R&D Organizations and Industries, and allow a continual infuse of frontier technologies in the engineering curriculum.

Attaining academic excellence and professional standards to take the lead role, and to attain the status of a National University for Technology and Science in the State of Telangana.

VISION – 2020 :: STRATEGIES

With the rich academic strength, research potential and professional competence gained through the governance of erstwhile JNTU-CEH and the present JNTUH-CEH, the University College has a strategic set of themes and road map for a comprehensive and cogent VISION – 2020 for the future, where JNTUH-CEH aspires to be recognized as a Temple of Learning for Technological Education and Research in India, known for its quality, professionalism, teaching and research. To attain such a coveted status, the University College has to establish several milestones in its path of success; and action plans are being implemented through (and some more are in the pipeline for)

Setting up of standards for higher education in engineering, technology, science and management with right priorities and societal commitments.

Modernizing the Teaching-Learning Processes with interactive sessions and on-line academic contents, effectively supplemented with teleconferencing, webinars, satellite based lessons and e-journal access.

Making the engineering education student centric as well as teacher centric, offering modular courses in interdisciplinary areas/specializations, implementing continuous evaluation through on-line examinations.

Curriculum restructuring to provide scope for parallel experimentation with non-listed exercises, software/hardware co-designs, simulation and synthesis procedures.

Implementation of choice based credit system with multiple options in identified groups/fields, as per international norms and accreditation standards.

Maintaining University Credibility with assured Academic Excellence and Research Competence through regular assessments, industry internships, execution of application specific projects of multidisciplinary nature, professional society partnerships and conduct of co-/extra- curricular activities.

Procuring state of the art equipment's for all departments and ensuring 24x7 access in all labs. with bio-metric access.

Ensuring availability of Advanced Licensed Software with high end systems, front-end/back-end tools for Image/Signal Processing Exercises, Computer Aided Design and System Modeling.

Establishing Incubation Centres and Centres for Excellence in Emerging Areas, and encouraging prototype fabrication and product testing, System on Chip and ASIC Developments, adaptation of cutting-edge technological processes for promoting industry-department interactions.

Enabling the entire JNTUH campus to have broad-band connectivity with wired and wireless accesses and providing 24x7 free access for all the campus students, faculty and staff.

Maintaining social responsibilities, cultural linkages and regional practices and engaging all faculty and students in community development programmes and technology transfer issues to the rural and semi-urban folk.

Continuing technical relationships with other established Institutes/Organizations for Higher Learning for collaborative research, and coordinating efforts for transfer of cutting-edge technologies in a cost effective way.

Mobilizing resources and grants, identifying financial priorities, maintaining undisturbed and unrestricted channels between academic circles – research domains –organizational goals, and planning for allocation of funds and budgetary provisions for sustained growth in all sectors.

Conducting periodic reviews, quality control checks and incorporating internal/external assessment measures for performance monitoring, career advancements and futuristic planning.

Establishing a firm R&D base in all constituent academic units of JNTUH, through continuous upgradations, advancements and accomplishments [JNTUH has already acquired various R&D Projects worth Rs.2.66 Crore in different areas of Engg., Science and Technology. A strong research base is thus being ensured for continuous contacts and interactions with all reputed agencies – UGC, AICTE, DST, DAE, and DRDO etc.]

JRF/ SRF/ UGC Fellowships are being encouraged on a 'priority basis', and scholars are being provided with financial incentives in terms of subsidized tuition fee.

VISION – 2020: Systems & Procedures ~

To be in conformity with the third decade requirements of 21st Century, JNTUH-CEH envisages the establishments of …

E-Class Rooms and Virtual Class Rooms

Online disposal of all matters pertaining to students/staff/administration

Institute information access through website

1:1 broadband connectivity and GB internet access with secure information through Net/ Web.

Availability of e-Journals, e-Books and on-line exercises/on-line submissions.

Complete student information availability through e-media.

Fully transparent Online Registration/Counselling/Admission Procedures.

24 x 7 access to all systems, labs. Libraries and R&D Centers.

100% Industry compatible course structure and curriculum designs, with special focus on inter-disciplinary areas.

Industry linked live projects, sponsored works and Industry Attachment Programmes.

Modular and Transferrable Credit oriented Course, with need based curricular.

Certifications and International Accreditations to all UG/PG Programmes, with an eye on GATS Acceptance, WTO Policies and Washington Accord.

In-house Research on Application Specific Projects and Global Assignments.

Fully Autonomous Status to All Academic Units to schedule, plan, programme and conduct courses of their choice.

Career Development Plans for Faculty, linked with Incentives and Awards.

Modern, Rugged yet Flexible Infrastructural Facilities, in tune with the present day requirements.

Establishment of Industry Chairs in each Department/Branch of Engineering and Science, and ensuring implementation of projects in all identified areas of specializations.

Thorough Feedback Mechanism for the ready and meaningful evaluation of the Courses, Faculty and Administrators.

A multi-fold improvement in all student amenities; enabling hostels with GB level Wi-Fi access.

Special Incentives to meritorious students.

Enhanced collaborations with National/International Universities, Industries and R&D Organizations.

Acknowledged Chairs for Placement, Training and Consultancy/Extension Activities.

Target oriented improvements to ensure adequate soft skills for students.

Personality Improvement and Image Building Activities.

Improve the institutional governance with full accountability and transparency.

Answer to the need for 'Reforms in Technological Education' with 'Access to Technologies'.

Allow extended campus access to all Educational Testing Services like, TOEFL, GRE, GMAT, CAT, GATE, NET, SLET etc. ensuring year round availability and universal acceptability.

Encourage Student/ Faculty Exchange Programmes with all like-minded Institutions, and enhance the present exchange potentials.

Epilogue

Quality based technological education is a definite requirement and is vital for the progress of the country.

Knowledge Initiative, Knowledge Resources, Knowledge Sharing and Knowledge Transfer are the foundation parameters for building a Knowledge Society with International Outlook. Marked changes (or perhaps deteriorations) in the standards and quality of technical education, which were experienced at various levels in the previous decades must be carefully studied, and remedial measures in tune with the present needs and future requirements must be successfully attempted. The gaps in standards, quality and assurance between national level and global level must be bridged; flexible and relevant courses with highest possible standards and benchmarks must be offered to all (at affordable cost), so that their Degrees will command respect in any country, and the Universities/Colleges can get proper recognition and appreciations.

The challenges are many, but avenues are also equally plenty. Effective implementation of strategies, creative use of ICTs, result/demand oriented R&D sectors, and collaborated efforts to achieve self-sufficiency and global acceptance – are the orders of the decade to ensure a balanced and sustained growth in technological educational sector, that can make JNTUH-CEH – a Premier Technological Institution of India, and a Knowledge Centered Research Institution.