

# **STAKEHOLDER FEEDBACK REPORT**

# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY



Ibrahimpattam - 501 510, Hyderabad.

CRITERIA-1: 1.4. FEEDBACK SYSTEM

CRITERIA-1: 1.4.1. FEEDBACKS COLLECTED

S. No.	Stakeholders	Year	No. of feedback responses collected
1	Students	2018-19	362
		2017-18	299
		2016-17	238
		2015-16	235
		2014-15	225
2	Teachers	2018-19	147
		2017-18	123
		2016-17	108
		2015-16	85
		2014-15	73
3	Alumni	2018-19	214
		2017-18	204
		2016-17	201
		2015-16	213
		2014-15	204
4	Employers	2018-19	40
		2017-18	28
		2016-17	22
		2015-16	16
		2014-15	14

*V. Ram Babu*

Principal

Bharat Institute of Engg. and Tech  
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

S. No.	Stakeholders	Year	No. of feedback responses collected
1	Students	2018-19	122
		2017-18	88
		2016-17	57
		2015-16	53
		2014-15	52
2	Teachers	2018-19	28
		2017-18	26
		2016-17	26
		2015-16	25
		2014-15	18
3	Alumni	2018-19	60
		2017-18	44
		2016-17	21
		2015-16	40
		2014-15	40

*Veldi Ramesh*

Principal  
Bharat Institute of Engg. and Tech  
Mangalpally(V), Ibrahimpattam(M)  
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**DEPARTMENT OF INFORMATION TECHNOLOGY**

S. No.	Stakeholders	Year	No. of feedback responses collected
1	Students	2018-19	31
		2017-18	24
		2016-17	0
		2015-16	14
		2014-15	32
2	Teachers	2018-19	9
		2017-18	5
		2016-17	5
		2015-16	1
		2014-15	4
3	Alumni	2018-19	24
		2017-18	20
		2016-17	0
		2015-16	20
		2014-15	20

*V. K. Ram Babu*

Principal  
Bharat Institute of Engg. and Tech  
Mangalpally(V), Ibrahimpattam  
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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

S. No.	Stakeholders	Year	No. of feedback responses collected
1	Students	2018-19	100
		2017-18	85
		2016-17	60
		2015-16	52
		2014-15	40
2	Teachers	2018-19	25
		2017-18	25
		2016-17	29
		2015-16	20
		2014-15	20
3	Alumni	2018-19	50
		2017-18	55
		2016-17	58
		2015-16	50
		2014-15	50

*V. Lakshmi*

**Principal**  
Bharat Institute of Engg. and Tech  
Mangalpally(V), Ibrahimpattam, M.,  
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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

S. No.	Stakeholders	Year	No. of feedback responses collected
1	Students	2018-19	78
		2017-18	45
		2016-17	55
		2015-16	47
		2014-15	50
2	Teachers	2018-19	18
		2017-18	17
		2016-17	15
		2015-16	15
		2014-15	16
3	Alumni	2018-19	36
		2017-18	38
		2016-17	64
		2015-16	29
		2014-15	35

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**DEPARTMENT OF CIVIL ENGINEERING**

S. No.	Stakeholders	Year	No. of feedback responses collected
1	Students	2018-19	58
		2017-18	33
		2016-17	47
		2015-16	49
		2014-15	51
2	Teachers	2018-19	14
		2017-18	16
		2016-17	10
		2015-16	8
		2014-15	5
3	Alumni	2018-19	43
		2017-18	27
		2016-17	38
		2015-16	53
		2014-15	61

*V. K. Ram Babu*

**Principal**

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**DEPARTMENT OF MECHANICAL ENGINEERING**

S. No.	Stakeholders	Year	No. of feedback responses collected
1	Students	2018-19	10
		2017-18	20
		2016-17	20
		2015-16	20
		2014-15	10
2	Teachers	2018-19	13
		2017-18	10
		2016-17	10
		2015-16	10
		2014-15	10
3	Alumni	2018-19	10
		2017-18	20
		2016-17	20
		2015-16	20
		2014-15	10

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## DEPARTMENT OF SCIENCE AND HUMANITIES

S. No.	Stakeholders	Year	No. of feedback responses collected
1	Students	2018-19	0
		2017-18	0
		2016-17	0
		2015-16	0
		2014-15	0
2	Teachers	2018-19	23
		2017-18	17
		2016-17	14
		2015-16	16
		2014-15	10
3	Alumni	2018-19	0
		2017-18	0
		2016-17	0
		2015-16	0
		2014-15	0

*Valkun Bahy*

Principal  
Bharat Institute of Engg. and Tech  
Mangalpally(V), Ibrahimpattam,  
Ranga Reddy (Dist)-Telangana-501510

**STAKEHOLDER FEEDBACK ANALYSIS REPORT**

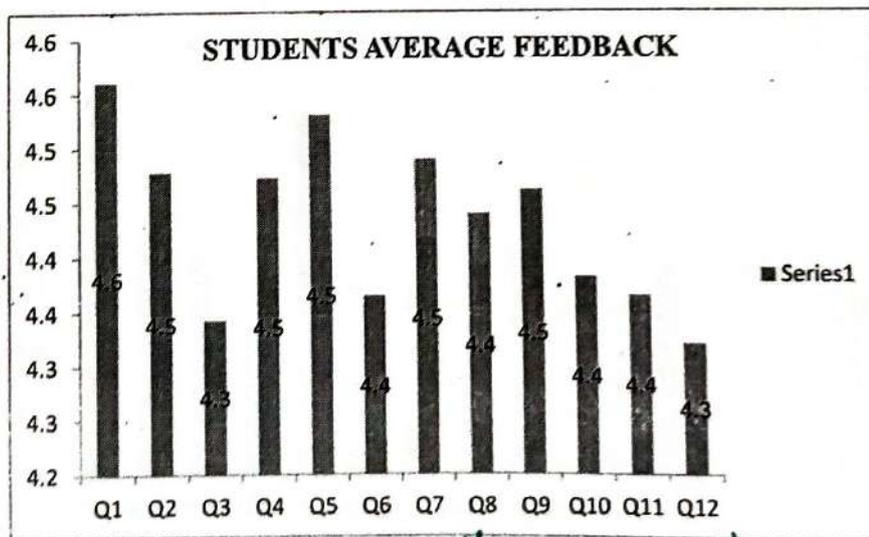
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CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS

## STUDENTS FEEDBACK ON CURRICULUM 2018-19

S. No.	Question	Excellent (5)	Very Good (4)	Good (3)	Fair (2)	Poor (1)	Avg
Q1	Whether the syllabus covers all courses required for higher studies?	226	115	19	2	0	4.6
Q2	Whether the computational component required is covered sufficiently in the syllabus?	206	124	31	1	0	4.5
Q3	Whether the practical component required is covered sufficiently?	174	142	42	4	0	4.3
Q4	Whether the courses covered in the syllabus forms the basis of fundamental knowledge of professional engineering?	212	109	41	0	0	4.5
Q5	How worthy is it to understand the importance of preparing and applying knowledge of Mathematics?	220	114	28	0	0	4.5
Q6	How worthy is it to understand the importance of preparing and applying knowledge of basic Science?	180	134	46	3	0	4.4
Q7	How worthy is it to understand the importance of preparing and applying knowledge of basic Engineering Science?	184	136	52	2	1	4.5
Q8	How worthy is it to understand the importance of preparing and applying knowledge of Computational Skills?	210	105	44	2	1	4.4
Q9	How important it is to have an understanding of ability to Think critically and logically?	209	115	36	0	2	4.5
Q10	How important it is to have an understanding of ability to Use and need of computer for performing computations?	185	132	43	2	0	4.4
Q11	How important it is to have an understanding of ability to Identifying and formulating engineering problems?	182	132	47	0	1	4.4
Q12	How important it is to have an understanding of ability to Analyze, design and solve real time engineering problems	183	121	52	3	3	4.3



*\* Subjectwise course projects can be given for improving practical skills*

*Vish Rambabu*  
Principal  
Bharat Institute of Engg. and Tech  
Mangalpally(V), Ibrahimpattam,  
Ranga Reddy (Dist)-Telangana-501510



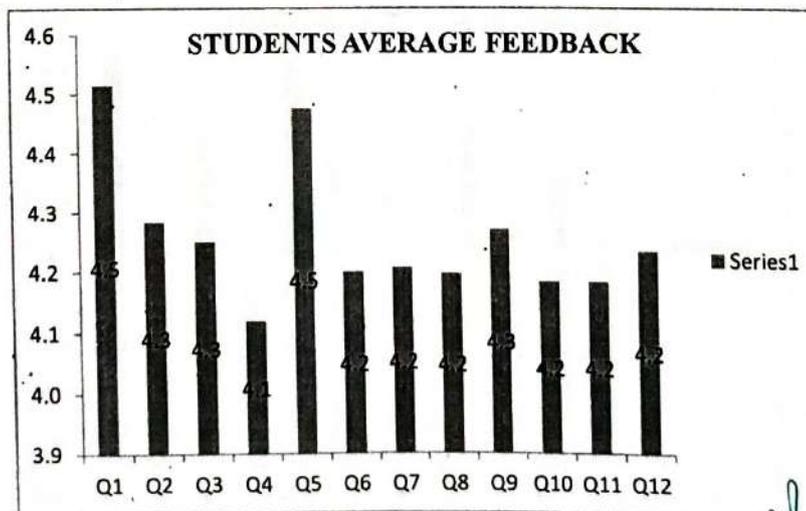
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CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS

## STUDENTS FEEDBACK ON CURRICULUM 2017-18

S. No.	Question	Excellent (5)	Very Good (4)	Good (3)	Fair (2)	Poor (1)	Avg
Q1	Whether the syllabus covers all courses required for higher studies?	188	80	28	3	0	4.5
Q2	Whether the computational component required is covered sufficiently in the syllabus?	112	160	27	0	0	4.3
Q3	Whether the practical component required is covered sufficiently?	134	110	51	4	0	4.3
Q4	Whether the courses covered in the syllabus forms the basis of fundamental knowledge of professional engineering?	106	148	30	9	2	4.1
Q5	How worthy is it to understand the importance of preparing and applying knowledge of Mathematics?	173	97	27	2	0	4.5
Q6	How worthy is it to understand the importance of preparing and applying knowledge of basic Science?	116	137	36	10	0	4.2
Q7	How worthy is it to understand the importance of preparing and applying knowledge of basic Engineering Science?	120	130	40	8	2	4.2
Q8	How worthy is it to understand the importance of preparing and applying knowledge of Computational Skills?	112	143	35	9	0	4.2
Q9	How important it is to have an understanding of ability to Think critically and logically?	151	101	34	8	0	4.3
Q10	How important it is to have an understanding of ability to Use and need of computer for performing computations?	108	146	38	6	1	4.2
Q11	How important it is to have an understanding of ability to Identifying and formulating engineering problems?	114	138	35	10	4	4.2
Q12	How important it is to have an understanding of ability to Analyze, design and solve real time engineering problems	127	127	33	12	0	4.2



*V. Lakshmi*  
Principal  
Bharat Institute of Engg. and Tech  
Mangalpally(V), Ibrahimpattam(M)  
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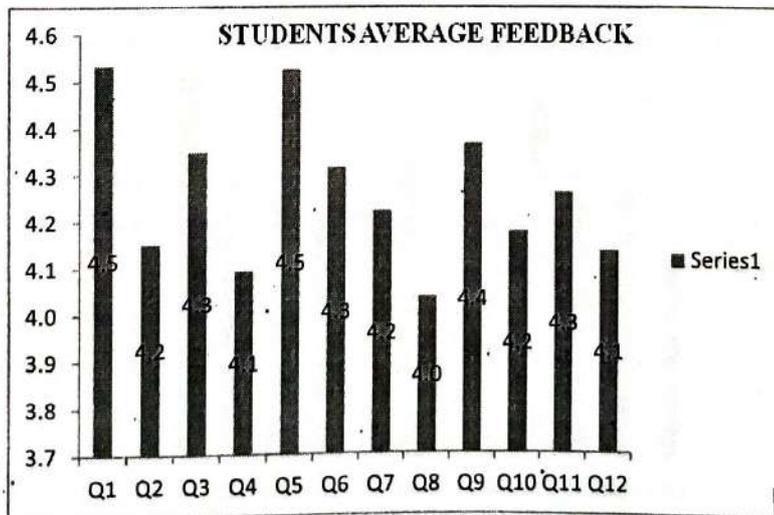
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CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS

## STUDENTS FEEDBACK ON CURRICULUM 2016-17

S. No.	Question	Excellent (5)	Very Good (4)	Good (3)	Fair (2)	Poor (1)	Avg
Q1	Whether the syllabus covers all courses required for higher studies?	158	49	31	0	0	4.5
Q2	Whether the computational component required is covered sufficiently in the syllabus?	73	130	33	2	0	4.2
Q3	Whether the practical component required is covered sufficiently?	134	63	31	10	0	4.3
Q4	Whether the courses covered in the syllabus forms the basis of fundamental knowledge of professional engineering?	90	96	36	16	0	4.1
Q5	How worthy is it to understand the importance of preparing and applying knowledge of Mathematics?	152	60	25	1	0	4.5
Q6	How worthy is it to understand the importance of preparing and applying knowledge of basic Science?	112	95	27	2	2	4.3
Q7	How worthy is it to understand the importance of preparing and applying knowledge of basic Engineering Science?	111	81	35	10	1	4.2
Q8	How worthy is it to understand the importance of preparing and applying knowledge of Computational Skills?	67	120	45	5	1	4.0
Q9	How important it is to have an understanding of ability to Think critically and logically?	137	57	38	6	0	4.4
Q10	How important it is to have an understanding of ability to Use and need of computer for performing computations?	94	104	29	10	1	4.2
Q11	How important it is to have an understanding of ability to Identifying and formulating engineering problems?	115	84	27	10	2	4.3
Q12	How important it is to have an understanding of ability to Analyze, design and solve real time engineering problems	105	74	45	14	0	4.1



*V. Ram Babu*  
Principal  
Bharat Institute of Engg. and Tech  
Mangaipally(V), Ibrahimpattam(M),  
Ranga Reddy (Dist)-Telangana-501510

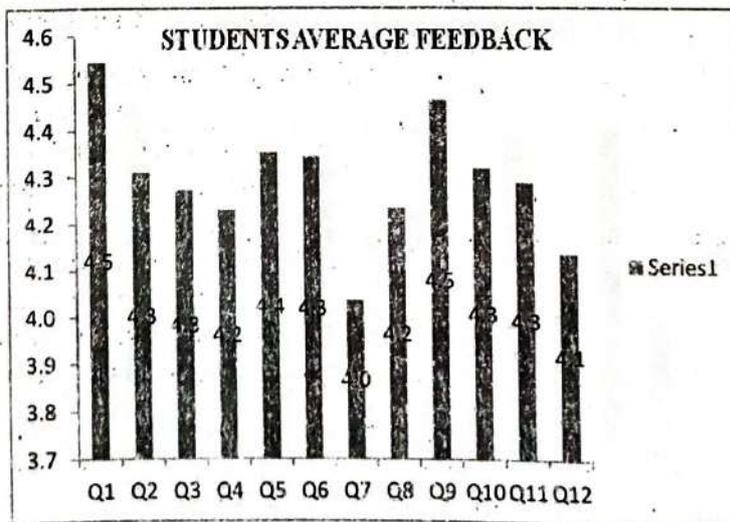
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CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS

## STUDENTS FEEDBACK ON CURRICULUM 2015-16

S. No.	Question	Excellent (5)	Very Good (4)	Good (3)	Fair (2)	Poor (1)	Avg
Q1	Whether the syllabus covers all courses required for higher studies?	136	91	8	0	0	4.5
Q2	Whether the computational component required is covered sufficiently in the syllabus?	96	122	15	0	0	4.3
Q3	Whether the practical component required is covered sufficiently?	99	103	31	2	0	4.3
Q4	Whether the courses covered in the syllabus forms the basis of fundamental knowledge of professional engineering?	89	112	33	1	0	4.2
Q5	How worthy is it to understand the importance of preparing and applying knowledge of Mathematics?	110	102	19	4	0	4.4
Q6	How worthy is it to understand the importance of preparing and applying knowledge of basic Science?	114	94	25	0	0	4.3
Q7	How worthy is it to understand the importance of preparing and applying knowledge of basic Engineering Science?	99	83	36	7	0	4.0
Q8	How worthy is it to understand the importance of preparing and applying knowledge of Computational Skills?	93	105	36	1	0	4.2
Q9	How important it is to have an understanding of ability to Think critically and logically?	128	88	19	0	0	4.5
Q10	How important it is to have an understanding of ability to Use and need of computer for performing computations?	93	124	18	0	0	4.3
Q11	How important it is to have an understanding of ability to Identifying and formulating engineering problems?	103	106	23	0	0	4.3
Q12	How important it is to have an understanding of ability to Analyze, design and solve real time engineering problems	74	122	36	3	0	4.1



*V. Lakshmi Babu*

Principal  
Bharat Institute of Engg. and Tech  
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Ranga Reddy (Dist)-Telangana-501510

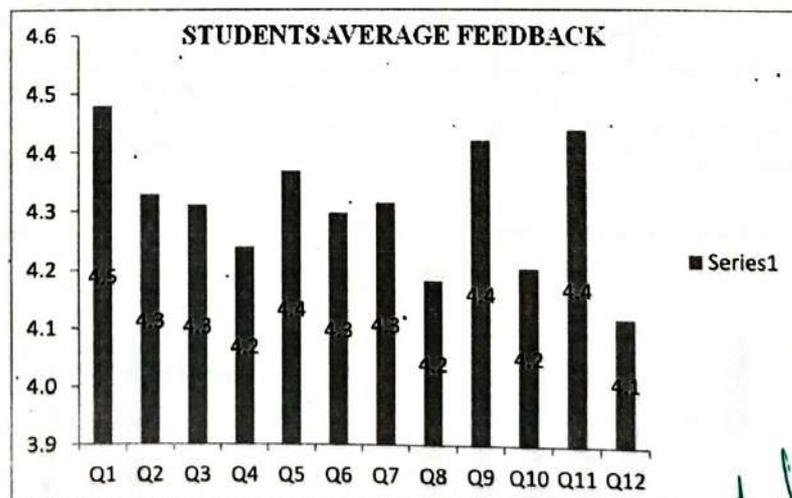
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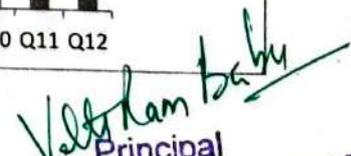
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CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS

## STUDENTS FEEDBACK ON CURRICULUM 2014-15

S. No.	Question	Excellent (5)	Very Good (4)	Good (3)	Fair (2)	Poor (1)	Avg
Q1	Whether the syllabus covers all courses required for higher studies?	137	63	23	0	2	4.5
Q2	Whether the computational component required is covered sufficiently in the syllabus?	102	95	28	0	0	4.3
Q3	Whether the practical component required is covered sufficiently?	104	88	32	1	0	4.3
Q4	Whether the courses covered in the syllabus forms the basis of fundamental knowledge of professional engineering?	97	86	41	1	0	4.2
Q5	How worthy is it to understand the importance of preparing and applying knowledge of Mathematics?	117	75	32	1	0	4.4
Q6	How worthy is it to understand the importance of preparing and applying knowledge of basic Science?	95	103	26	1	0	4.3
Q7	How worthy is it to understand the importance of preparing and applying knowledge of basic Engineering Science?	112	74	37	2	0	4.3
Q8	How worthy is it to understand the importance of preparing and applying knowledge of Computational Skills?	89	90	44	2	0	4.2
Q9	How important it is to have an understanding of ability to Think critically and logically?	128	65	31	1	0	4.4
Q10	How important it is to have an understanding of ability to Use and need of computer for performing computations?	80	112	30	4	0	4.2
Q11	How important it is to have an understanding of ability to Identifying and formulating engineering problems?	139	48	36	2	0	4.4
Q12	How important it is to have an understanding of ability to Analyze, design and solve real time engineering problems	77	100	46	2	0	4.1



  
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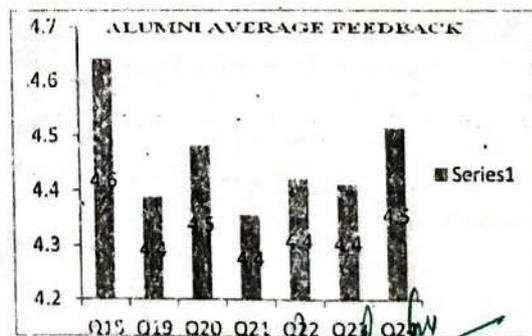
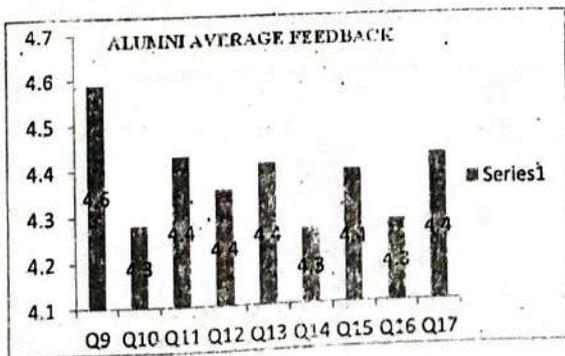
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CRITERIA-I: 1.4.2 FEEDBACK ANALYSIS

## ALUMNI FEEDBACK ON CURRICULUM 2018-19

S. No.	Question	YES	NO
Q1	Whether the Engineering program facilitates employability?	220	18
Q2	Whether courses covered in the program are sufficient?	206	32
Q3	Whether the practical component under the program is covered sufficiently?	211	27
Q4	Whether the computational component under program is covered sufficiently?	188	50
Q5	Whether the program covers all the courses required for higher studies?	198	38
Q6	Whether the infrastructure for the program is adequate?	204	34
Q7	Any other program related specific course you have opted to prepare well for your career. If yes mention.	199	43
Q8	Extra / Co-curricular activities through Club Activities or programs you have participated as a student were they helpful in overall development and career.	203	35

S. No.	Question	Strongly Agree 5	Agree 4	No opinion 3	Disagree 2	Strongly Disagree 1	Avg
<b>Education in BIET prepared and motivated me in the following areas:</b>							
Q9	Verbal Skills	149	43	20	2	1	4.6
Q10	Drafting and Presentation Skills	106	76	20	11	0	4.3
Q11	Interpersonal skills	120	71	18	5	0	4.4
Q12	Lifelong learning	102	92	14	6	0	4.4
Q13	Team work	115	72	27	0	0	4.4
Q14	Ethics and professional behavior	97	83	28	6	0	4.3
Q15	Registration as Professional Engineer or Entrepreneur	127	54	27	4	0	4.4
Q16	Technical knowledge and expertise	96	88	24	6	0	4.3
Q17	Problem identifying and solving ability	116	72	25	2	0	4.4
<b>What is your impression about the requirement about the following for professional success at work place.</b>							
Q18	Sincerity and hard work	156	44	11	2	0	4.6
Q19	Participating in Extra / Co-curricular activities	108	80	25	2	0	4.4
Q20	Interpersonal skills	120	78	15	1	0	4.5
Q21	Ethics and professional behavior	105	82	25	2	0	4.4
Q22	Technical knowledge gained due to teaching learning process	114	79	20	0	0	4.4
Q23	Development of problem solving ability by evaluation /Examination process	114	75	24	1	0	4.4
Q24	Motivation & counselling for career development by faculty	146	41	22	3	0	4.5



  
**Principal**  
 Bharat Institute of Engg. and Tech  
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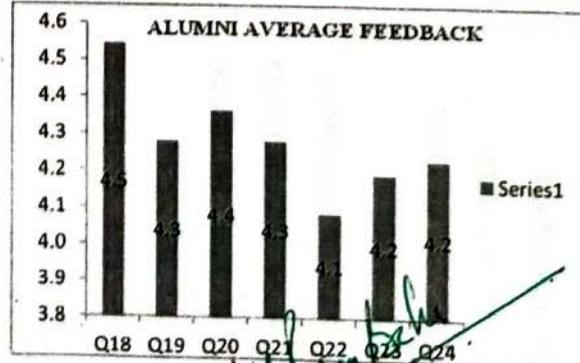
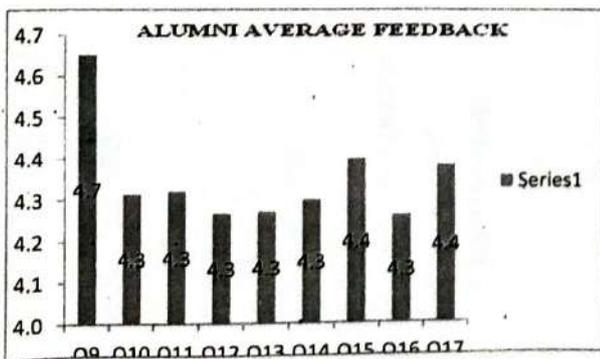
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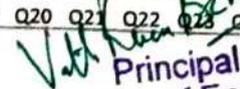
CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS

## ALUMNI FEEDBACK ON CURRICULUM 2017-18

S. No.	Question	YES	NO
Q1	Whether the Engineering program facilitates employability?	191	13
Q2	Whether courses covered in the program are sufficient?	164	40
Q3	Whether the practical component under the program is covered sufficiently?	159	45
Q4	Whether the computational component under program is covered sufficiently?	161	43
Q5	Whether the program covers all the courses required for higher studies?	156	28
Q6	Whether the infrastructure for the program is adequate?	171	33
Q7	Any other program related specific course you have opted to prepare well for your career. If yes mention.	170	34
Q8	Extra / Co-curricular activities through Club Activities or programs you have participated as a student were they helpful in overall development and career.	162	42

S. No.	Question	Strongly Agree 5	Agree 4	No opinion 3	Disagree 2	Strongly Disagree 1	Avg
<b>Education in BIET prepared and motivated me in the following areas:</b>							
Q9	Verbal Skills	149	39	16	0	0	4.7
Q10	Drafting and Presentation Skills	94	87	16	7	0	4.3
Q11	Interpersonal skills	105	69	20	9	2	4.3
Q12	Lifelong learning	97	73	24	10	1	4.3
Q13	Team work	99	70	27	7	1	4.3
Q14	Ethics and professional behavior	95	81	22	6	0	4.3
Q15	Registration as Professional Engineer or Entrepreneur	108	70	23	4	0	4.4
Q16	Technical knowledge and expertise	93	76	30	4	2	4.3
Q17	Problem identifying and solving ability	111	66	20	7	1	4.4
<b>What is your impression about the requirement about the following for professional success at work place.</b>							
Q18	Sincerity and hard work	129	61	10	4	0	4.5
Q19	Participating in Extra / Co-curricular activities	88	89	21	7	0	4.3
Q20	Interpersonal skills	96	84	24	1	0	4.4
Q21	Ethics and professional behavior	106	61	26	10	1	4.3
Q22	Technical knowledge gained due to teaching learning process	91	59	35	17	3	4.1
Q23	Development of problem solving ability by evaluation /Examination process	97	66	25	15	1	4.2
Q24	Motivation & counselling for career development by faculty	96	71	27	7	4	4.2



  
**Principal**  
 Bharat Institute of Engg. and Tech  
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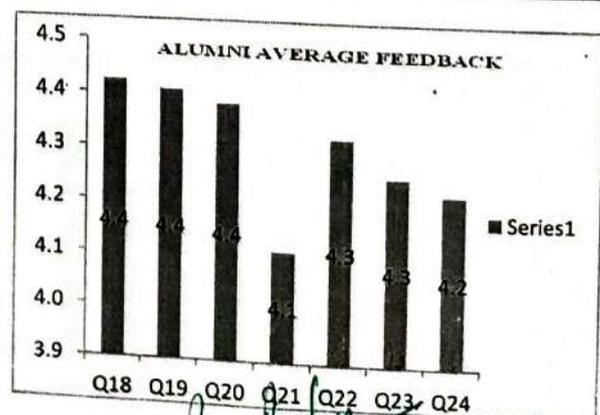
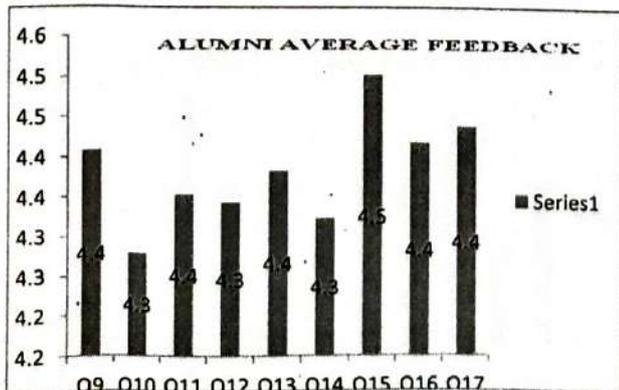
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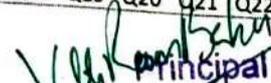
## CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS

### ALUMNI FEEDBACK ON CURRICULUM 2016-17

S. No.	Question	YES	NO
Q1	Whether the Engineering program facilitates employability?	136	22
Q2	Whether courses covered in the program are sufficient?	126	32
Q3	Whether the practical component under the program is covered sufficiently?	118	40
Q4	Whether the computational component under program is covered sufficiently?	120	38
Q5	Whether the program covers all the courses required for higher studies?	106	52
Q6	Whether the infrastructure for the program is adequate?	131	33
Q7	Any other program related specific course you have opted to prepare well for your career. If yes mention.	122	36
Q8	Extra / Co-curricular activities through Club Activities or programs you have participated as a student were they helpful in overall development and career.	112	46

S. No.	Question	Strongly Agree 5	Agree 4	No opinion 3	Disagree 2	Strongly Disagree 1	Avg
<b>Education in BIET prepared and motivated me in the following areas:</b>							
Q9	Verbal Skills	128	41	22	6	4	4.4
Q10	Drafting and Presentation Skills	108	57	25	6	5	4.3
Q11	Interpersonal skills	120	50	19	6	6	4.4
Q12	Lifelong learning	113	60	17	6	5	4.3
Q13	Team work	121	52	17	6	5	4.4
Q14	Ethics and professional behavior	116	52	21	7	4	4.3
Q15	Registration as Professional Engineer or Entrepreneur	124	59	11	6	4	4.5
Q16	Technical knowledge and expertise	122	53	16	7	4	4.4
Q17	Problem identifying and solving ability	132	39	20	6	4	4.4
<b>What is your impression about the requirement about the following for professional success at work place.</b>							
Q18	Sincerity and hard work	131	40	19	6	5	4.4
Q19	Participating in Extra / Co-curricular activities	115	61	17	6	4	4.4
Q20	Interpersonal skills	98	63	41	6	4	4.4
Q21	Ethics and professional behavior	101	56	27	6	4	4.1
Q22	Technical knowledge gained due to teaching learning process	104	67	21	7	4	4.3
Q23	Development of problem solving ability by evaluation / Examination process	99	68	24	6	4	4.3
Q24	Motivation & counselling for career development by faculty	102	55	34	6	5	4.2



  
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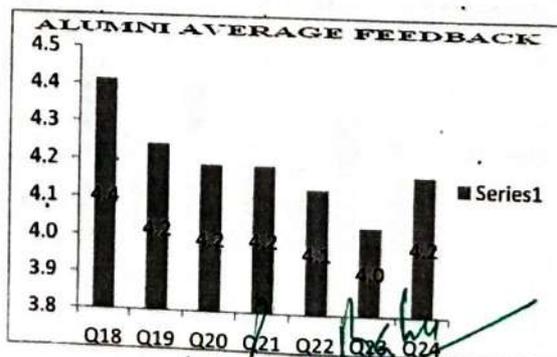
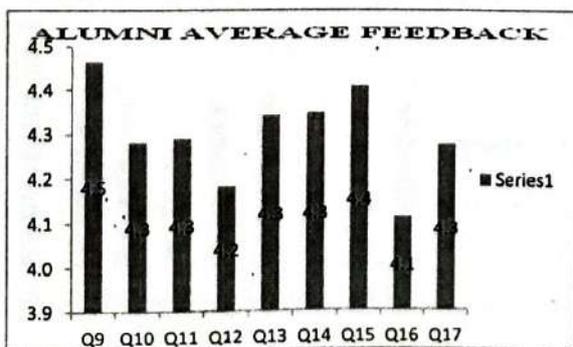
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CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS

## ALUMNI FEEDBACK ON CURRICULUM 2015-16

S. No.	Question	YES	NO
Q1	Whether the Engineering program facilitates employability?	183	37
Q2	Whether courses covered in the program are sufficient?	151	69
Q3	Whether the practical component under the program is covered sufficiently?	160	60
Q4	Whether the computational component under program is covered sufficiently?	138	82
Q5	Whether the program covers all the courses required for higher studies?	144	76
Q6	Whether the infrastructure for the program is adequate?	134	86
Q7	Any other program related specific course you have opted to prepare well for your career. If yes mention.	147	74
Q8	Extra / Co-curricular activities through Club Activities or programs you have participated as a student were they helpful in overall development and career.	148	72

S. No.	Question	Strongly Agree 5	Agree 4	No opinion 3	Disagree 2	Strongly Disagree 1	Avg
<b>Education in BIET prepared and motivated me in the following areas:</b>							
Q9	Verbal Skills	138	46	19	10	0	4.5
Q10	Drafting and Presentation Skills	84	108	19	1	1	4.3
Q11	Interpersonal skills	113	66	27	2	0	4.3
Q12	Lifelong learning	84	98	23	3	4	4.2
Q13	Team work	113	66	29	4	1	4.3
Q14	Ethics and professional behavior	104	83	22	4	0	4.3
Q15	Registration as Professional Engineer or Entrepreneur	114	72	27	0	0	4.4
Q16	Technical knowledge and expertise	90	63	53	7	1	4.1
Q17	Problem identifying and solving ability	110	64	28	10	1	4.3
<b>What is your impression about the requirement about the following for professional success at work place.</b>							
Q18	Sincerity and hard work	124	57	28	4	0	4.4
Q19	Participating in Extra / Co-curricular activities	94	88	21	9	1	4.2
Q20	Interpersonal skills	93	78	32	10	0	4.2
Q21	Ethics and professional behavior	100	74	28	6	1	4.2
Q22	Technical knowledge gained due to teaching learning process	91	75	32	14	1	4.1
Q23	Development of problem solving ability by evaluation / Examination process	85	72	37	17	2	4.0
Q24	Motivation & counselling for career development by faculty	107	58	29	16	3	4.2



*V. Ramesh Babu*  
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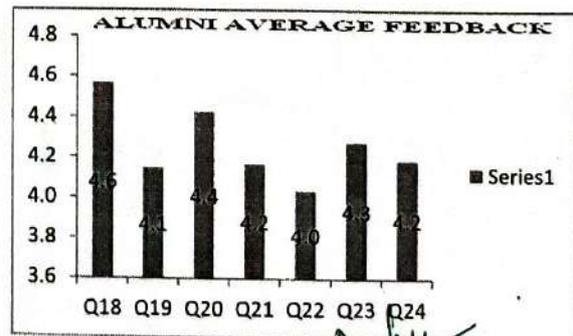
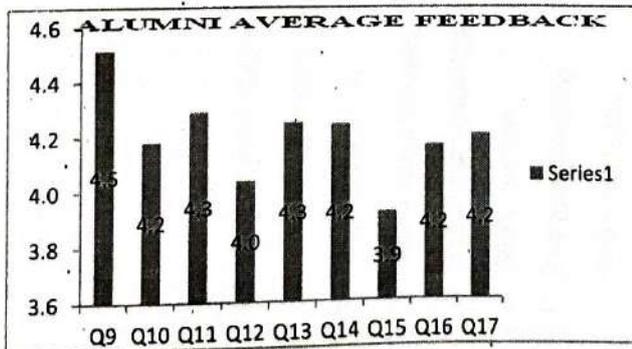
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CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS

## ALUMNI FEEDBACK ON CURRICULUM 2014-15

S. No.	Question	YES	NO
Q1	Whether the Engineering program facilitates employability?	170	38
Q2	Whether courses covered in the program are sufficient?	173	35
Q3	Whether the practical component under the program is covered sufficiently?	162	46
Q4	Whether the computational component under program is covered sufficiently?	156	52
Q5	Whether the program covers all the courses required for higher studies?	155	53
Q6	Whether the infrastructure for the program is adequate?	159	49
Q7	Any other program related specific course you have opted to prepare well for your career. If yes mention.	162	46
Q8	Extra / Co-curricular activities through Club Activities or programs you have participated as a student were they helpful in overall development and career.	159	40

S. No.	Question	Strongly Agree 5	Agree 4	No opinion 3	Disagree 2	Strongly Disagree 1	Avg
<b>Education in BIET prepared and motivated me in the following areas:</b>							
Q9	Verbal Skills	144	33	17	8	2	4.5
Q10	Drafting and Presentation Skills	100	64	25	7	8	4.2
Q11	Interpersonal skills	119	55	10	10	10	4.3
Q12	Lifelong learning	93	64	22	12	13	4.0
Q13	Team work	97	75	21	8	3	4.3
Q14	Ethics and professional behavior	110	51	29	11	3	4.2
Q15	Registration as Professional Engineer or Entrepreneur	93	65	12	16	7	3.9
Q16	Technical knowledge and expertise	98	72	16	6	12	4.2
Q17	Problem identifying and solving ability	102	62	20	15	10	4.2
<b>What is your impression about the requirement about the following for professional success at work place.</b>							
Q18	Sincerity and hard work	138	50	11	3	2	4.6
Q19	Participating in Extra / Co-curricular activities	111	44	30	6	13	4.1
Q20	Interpersonal skills	114	70	9	10	5	4.4
Q21	Ethics and professional behavior	100	53	36	15	0	4.2
Q22	Technical knowledge gained due to teaching learning process	101	44	35	13	11	4.0
Q23	Development of problem solving ability by evaluation /Examination process	103	65	28	5	3	4.3
Q24	Motivation & counselling for career development by faculty	117	37	28	15	7	4.2



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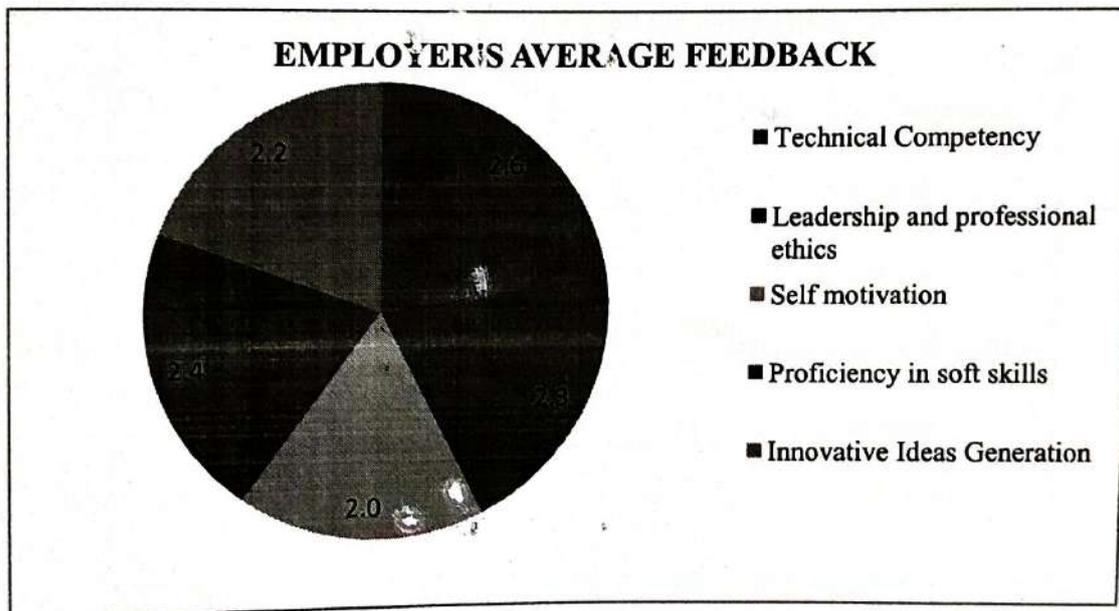
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## CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS EMPLOYERS FEEDBACK ON CURRICULUM 2018-19

S. No.	Question	Substantial 3	Moderate 2	Slight 1	Avg
1	Technical Competency	23	17	0	2.6
2	Leadership and professional ethics	16	19	5	2.3
3	Self motivation	11	17	12	2.0
4	Proficiency in soft skills	19	17	4	2.4
5	Innovative Ideas Generation	13	22	5	2.2



*V. Lakshmi*  
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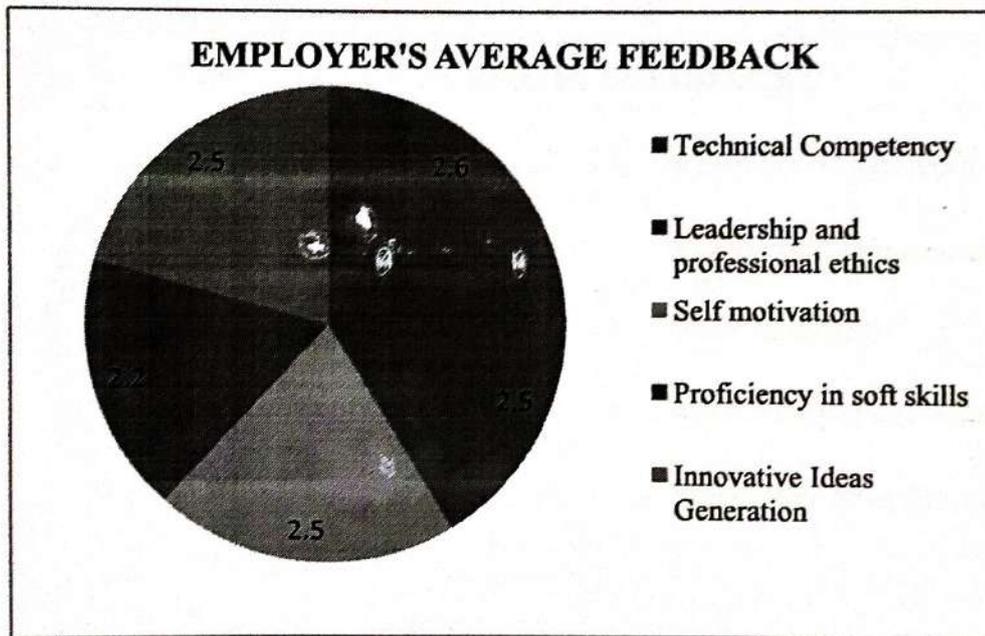
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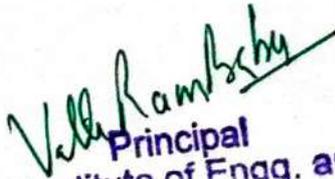
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## CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS EMPLOYERS FEEDBACK ON CURRICULUM 2017-18

S. No.	Question	Substantial 3	Moderate 2	Slight 1	Avg
1	Technical Competency	20	6	2	2.6
2	Leadership and professional ethics	14	13	1	2.5
3	Self motivation	18	7	3	2.5
4	Proficiency in soft skills	9	15	4	2.2
5	Innovative Ideas Generation	17	9	2	2.5



  
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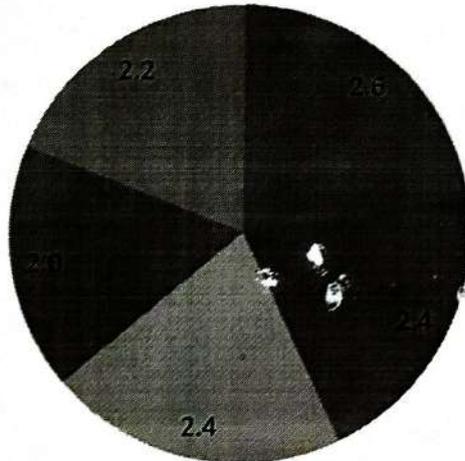
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## CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS EMPLOYERS FEEDBACK ON CURRICULUM 2016-17

S. No.	Question	Substantial 3	Moderate 2	Slight 1	Avg
1	Technical Competency	13	9	0	2.6
2	Leadership and professional ethics	9	12	1	2.4
3	Self motivation	12	7	3	2.4
4	Proficiency in soft skills	4	14	4	2.0
5	Innovative Ideas Generation	8	10	4	2.2

### EMPLOYER'S AVERAGE FEEDBACK



- Technical Competency
- Leadership and professional ethics
- Self motivation
- Proficiency in soft skills
- Innovative Ideas Generation

*V. S. Ram Babu*

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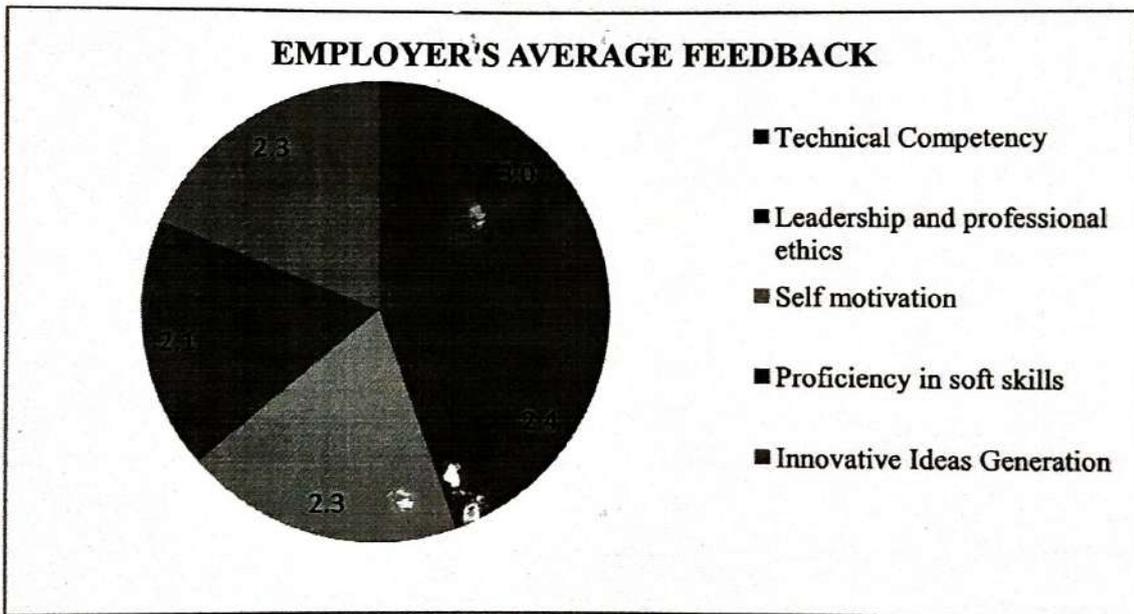
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## CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS EMPLOYERS FEEDBACK ON CURRICULUM 2015-16

S. No.	Question	Substantial 3	Moderate 2	Slight 1	Avg
1	Technical Competency	16	0	0	3.0
2	Leadership and professional ethics	6	10	0	2.4
3	Self motivation	6	9	1	2.3
4	Proficiency in soft skills	4	10	2	2.1
5	Innovative Ideas Generation	5	10	1	2.3



*Vallam Ramesh*  
Principal

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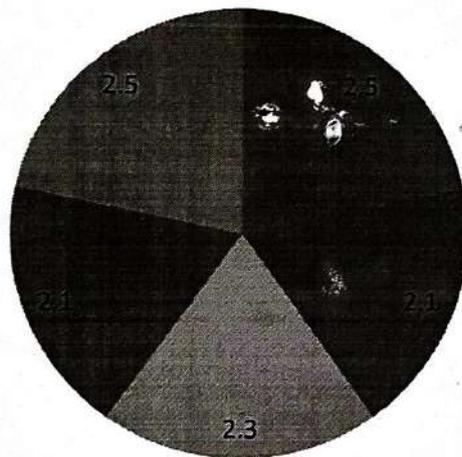
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## CRITERIA-1: 1.4.2 FEEDBACK ANALYSIS EMPLOYERS FEEDBACK ON CURRICULUM 2014-15

S. No.	Question	Substantial 3	Moderate 2	Slight 1	Avg
1	Technical Competency	7	7	0	2.5
2	Leadership and professional ethics	5	6	3	2.1
3	Self motivation	5	8	1	2.3
4	Proficiency in soft skills	4	8	2	2.1
5	Innovative Ideas Generation	7	7	0	2.5

### EMPLOYER'S AVERAGE FEEDBACK



- Technical Competency
- Leadership and professional ethics
- Self motivation
- Proficiency in soft skills
- Innovative Ideas Generation

*V. K. Ram Babu*  
Principal  
Bharat Institute of Engg. and Tech  
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**DEPARTMENTWISE ACTION TAKEN REPORT  
ON FEEDBACK**



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpattanam - 501 510, Hyderabad

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM 2018-19

<b>1. Course:</b>	B.Tech (CSE) R16 Regulations
<b>2. Subjects:</b>	<ol style="list-style-type: none"><li>1. SAP</li><li>2. R Programming</li><li>3. Python Programming</li><li>4. Block Chain Technology</li><li>5. Android Application</li><li>6. MOOC CERTIFICATION</li></ol>
<b>3. Recommendations:</b>	<ol style="list-style-type: none"><li>1. Curriculum should be based on recent trends in software development. In this regard, SAP, R Programming and Python programming, Block chain technology and Android application related courses can be introduced in the curriculum in order to increase job opportunities for the students.</li><li>2. Related to Database Management systems and Data Mining, SAP concepts may be introduced.</li><li>3. Related to Data Mining and Introduction to Analytics, R programming may be included.</li><li>4. Related to Information security and project work, Block chain technology may be included.</li><li>5. Related to Web Technologies and Project work, Course on Android Application may be introduced.</li><li>6. As more job opportunities are there for the students who are completing MOOCS NPTEL certification, MOOC NPTEL Courses can be made compulsory from II year onwards.</li></ol>
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

  
HEAD OF DEPARTMENT  
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# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpattanam - 501 510, Hyderabad

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM 2017-18

<b>1. Course:</b>	B.Tech (CSE) R16 Regulations
<b>2. Subjects:</b>	<ol style="list-style-type: none"><li>1. Python Programming</li><li>2. R Programming</li><li>3. Machine Learning</li><li>4. Android Development course</li><li>5. .NET technology</li><li>6. Data Science</li></ol>
<b>3. Recommendations:</b>	<ol style="list-style-type: none"><li>1. College should estimate the need of industries and provide additional inputs for improving employability by including courses like Python programming, R programming, Machine Learning, .NET Technology and Android Development.</li><li>2. Related to Data Mining and Data Analytics, Data Science for engineers may be introduced to satisfy the latest industrial needs.</li></ol>
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

  
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# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpattam - 501 510, Hyderabad

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM 2016-17

<b>1. Course:</b>	B.Tech (CSE) R15 Regulations
<b>2. Subjects:</b>	1. Big Data Analytics 2. Internet of Things (IOT) 3. Mobile Application Development 4. Cyber Security 5. Mat Lab Programming
<b>3. Recommendations:</b>	1. For the new current revised syllabus, there should be more industry exposure and hence the courses like Big Data Analytics, Internet of Things, Mobile Application Development, Cyber Security and MAT Lab programming are to be added to enrich the learning. 2. The students suggested more industry exposure based courses as mention above to be included.
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

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# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM 2015-16

<b>1. Course:</b>	B.Tech (CSE) R13 Regulations
<b>2. Subjects:</b>	1. Cloud Computing 2. Internet of Things 3. Computer Organization practical lab 4. SAP Course
<b>3. Recommendations:</b>	1. Apart from regular subject knowledge, additional inputs in the form of courses like cloud computing, Internet of things, Computer Organization Lab, SAP can be provided to the students which are suitable for them to work hands-on in the industry 2. Internship can be made mandatory for the students. 3. MOOC course can be made mandatory. 4. Courses on aptitude Communication skills can be introduced.
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

  
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# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM 2014-15

<b>1. Course:</b>	B.Tech (CSE) R09 Regulations
<b>2. Subjects:</b>	1. Artificial Intelligence 2. Computer Forensics 3. Software Process Management 4. Image Processing and Pattern Recognition 5. Big Data Analytics using Hadoop Technology 6. Mobile Computing
<b>3. Recommendations:</b>	1. The content of the syllabus should also incorporate certain important subjects like Artificial Intelligence, Computer Forensics, Software project Management and Image Processing and Pattern Recognition. 2. This will help the students to develop more innovative projects which will be useful for the society. 3. Related to Data Mining and Data Warehousing, Big Data Analytics using Hadoop Technology may be introduced in the curriculum which will help the students to learn recent technology. 4. Related to Mobile Computing, Mobile Application Development may be introduced.
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

  
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# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM 2018-19

<b>1. Course:</b>	B.Tech (ECE) R16 Regulations
<b>2. Subjects:</b>	<ol style="list-style-type: none"><li>1. Embedded Systems Design</li><li>2. Advance Antenna Design</li><li>3. Aptitude and Communication Skills Course</li><li>4. MOOC CERTIFICATION</li></ol>
<b>3. Recommendations:</b>	<ol style="list-style-type: none"><li>1. Curriculum should include laboratory practice for Embedded system design and advanced antenna design courses.</li><li>2. Improvement in aptitude training and communication skills needs to be increased.</li><li>5. Internships on advanced subjects need to be improved.</li><li>6. As more job opportunities are there for the students who are completing MOOCS NPTEL certification, MOOC NPTEL Courses can be made compulsory from II year onwards.</li></ol>
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

  
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# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM

2017-18

<b>1. Course:</b>	B.Tech (ECE) R16 Regulations
<b>2. Subjects:</b>	1. Cloud Computing 2. Navigation System and sensors 3. SAP Course
<b>3. Recommendations:</b>	1. College should estimate the need of industries and provide additional inputs for improving employability by including courses like Cloud Computing 2. Related to Navigation Systems and sensors course for engineers may be introduced to satisfy the latest industrial needs. 3. Training on advanced subjects such as SAP needs to increase in order to satisfy the current job requirements.
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

  
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# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM

2015-16

<b>1. Course:</b>	B.Tech (ECE) R13 Regulations
<b>2. Subjects:</b>	<ol style="list-style-type: none"><li>1. Cognitive Networked Sensing and Big data</li><li>2. Internet of Things</li><li>3. Advanced sensors and Interface</li><li>4. Mobile Application Development</li><li>5. MATLAB Programming and High frequency simulation.</li><li>6. VLSI Laboratory.</li><li>7. Pattern Recognition and Machine learning</li></ol>
<b>3. Recommendations:</b>	<ol style="list-style-type: none"><li>1. Apart from regular subject knowledge, additional inputs in the form of courses like Advanced sensors, Internet of things, Cognitive networks and big data, SAP can be provided to the students which are suitable for them to work hands-on in the industry</li><li>2. Internship can be made mandatory for the students.</li><li>3. MOOC course can be made mandatory.</li><li>4. Courses on aptitude Communication skills can be introduced.</li></ol>
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

  
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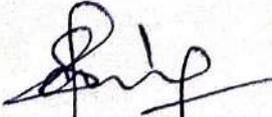
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DEPARTMENT OF DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM 2014-15

<b>1. Course:</b>	B.Tech (ECE) R09 Regulations
<b>2. Subjects:</b>	1. Introduction to Advanced microprocessors 2. Advance digital communication laboratory 3. Basic signal processing Lab
<b>3. Recommendations:</b>	1. The content of the syllabus should also incorporate certain important subjects like Advanced microprocessors, signal processing. 2. Related to Advanced digital communication laboratory may be introduced.
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

  
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM 2018-19

<b>1. Course:</b>	B.Tech (EEE) R16 Regulations
<b>2. Subjects:</b>	1. Linear Systems Analysis 2. Switched Mode Power Supplies 3. Special Machines
<b>3. Recommendations:</b>	1. College should estimate the need of industries and provide additional inputs for improving employability by including courses like Linear Systems Analysis, Switched Mode Power, and Special Machines.
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.



  
HOD



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpattanam - 501 510, Hyderabad

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM 2017-18

<b>1. Course:</b>	B.Tech (EEE) R16 Regulations
<b>2. Subjects:</b>	1. Wind Solar, Hybrid Energy systems 2. Power electronic Converters for Renewable Energy
<b>3. Recommendations:</b>	1. Subjects Like Wind Solar, Hybrid Energy systems, Power electronic Converters for Renewable Energy as present technology is majorly depends on Renewable energy sources & most of power generation in future is depends on renewable energy sources these subjects will give you more knowledge according Technology  Internship can be made mandatory for the students. 2. MOOC course can be made mandatory. 3. Courses on aptitude Communication skills can be introduced.
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.



  
HOD



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpattam - 501 510, Hyderabad

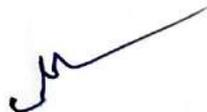
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM

2016-17

1. Course:	B.Tech (EEE) R15 Regulations
2. Subjects:	1. VLSI Design 2. Smart Electric Grid
3. Recommendations:	College should estimate the need of industries and provide additional inputs for improving employability by including courses like VLSI Design, Smart Electric Grid.  Alumni studying in IITs and NITs have brought to our notice that it is very difficult to design projects and it is hard to prepare Competitive Exams like GATE, IES, PSUs etc...
4. Action:	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.



  
HOD



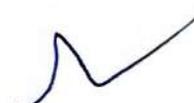
## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM

2015-16

1. Course:	B.Tech (EEE) R13 Regulations
2. Subjects:	1. Gender Sensitization. 2. Professional Ethics
3. Recommendations:	1. To provide an integrated and interdisciplinary approach to understand the social and cultural constructions of gender that shapes the experiences of women and men in society. To generate the awareness in regard to equality in law, social system and democratic activities. 2. The scope of ethics indicates its subject matter. Ethics as normative science deals with moral ideal or the good in order to enquire the nature of our conduct. It enquires into the nature of the springs of actions, motives, intentions, voluntary actions and so on. It determines rightness or wrongness of human actions.
4. Action:	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.



  
HOD



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpattam - 501 510, Hyderabad

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM

2014-15

<b>1. Course:</b>	B.Tech (CSE) R09 Regulations
<b>2. Subjects:</b>	1. Artificial Neural Networks 2. Fuzzy Logic Controller 3. Electrical Estimation and Costing 5. Digital Control Systems
<b>3. Recommendations:</b>	1. The content of the syllabus should also incorporate certain important subjects like Artificial Intelligence. 2. For Improving Practical Knowledge on estimation & Costing of Electrical Equipments 3. To Improve the scope of research subjects like Digital Control systems has to be included
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.



  
HOD



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpattanam - 501 510, Hyderabad

## DEPARTMENT OF MECHANICAL ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM 2018-19

<b>1. Course:</b>	B.Tech (MECH) R16 Regulations
<b>2. Subjects:</b>	1. UNCONVENTIONAL MACHINING PROCESS 2. METROLOGY AND MACHINE TOOLS 3. MANUFACTURING PROCESS 4. CAD/CAM
<b>3. Recommendations:</b>	1. Curriculum should be based on recent trends in manufacturing. In this regard, Advances in Unconventional Machining process related courses can be introduced in the curriculum in order to increase job opportunities for the students. 2. Related to Industry requirements concepts may be introduced. 3. Related to IES and GATE topics like advanced NDT techniques may be included. 4. Related to Metal Rapid Prototyping may be included in curriculum for Industry Requirements.
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

HEAD OF DEPARTMENT  
DEPARTMENT OF MECHANICAL ENGG.  
BIET





# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpattanam - 501 510, Hyderabad

## DEPARTMENT OF MECHANICAL ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM 2017-18

1. Course:	B.Tech (MECH) R16 Regulations
2. Subjects:	1. CAD/CAM 2. MACHINE DESIGN 3. RES
3. Recommendations:	1. College should estimate the need of industries and provide additional inputs for improving employability by including courses like Advances in CNC Machining and Machining centers 2. Related to Design Press Tools, Advances in Renewable Energy may be introduced to satisfy the latest industrial needs.
4. Action:	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

  
HEAD OF DEPARTMENT  
DEPARTMENT OF MECHANICAL ENGG.  
BIET





# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

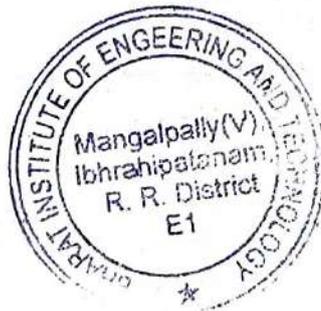
Ibrahimpattam - 501 510, Hyderabad

## DEPARTMENT OF MECHANICAL ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM 2016-17

<b>1. Course:</b>	B.Tech (MECH) R15 Regulations
<b>2. Subjects:</b>	1. INSTRUMENTATION AND CONTROL SYSTEMS 2. CAD/CAM 3. FME
<b>3. Recommendations:</b>	1. For the new current revised syllabus, there should be more industry exposure and hence the courses like Testing of Missiles, computer integrated manufacturing, advances in FME are to be added to enrich the learning. 2. The students suggested more industry exposure based courses as mention above to be included.
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

HEAD OF DEPARTMENT  
DEPARTMENT OF MECHANICAL ENGG.  
BIET





# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpattanam - 501 510, Hyderabad

## DEPARTMENT OF MECHANICAL ENGINEERING

### ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM

2015-16

<b>1. Course:</b>	B.Tech (MECH) R13 Regulations
<b>2. Subjects:</b>	1. CAD/CAM 2. FME 3. PRODUCTION TECHNOLOGY
<b>3. Recommendations:</b>	1. Apart from regular subject knowledge, additional inputs in the form of courses like FMS AND Group Technology, Bio Medical application of Additive Mfg Technology can be provided to the students which are suitable for them to work hands-on in the industry 2. Internship can be made mandatory for the students. 3. MOOC course can be made mandatory. 4. Courses on aptitude Communication skills can be introduced.
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

HEAD OF DEPARTMENT  
DEPARTMENT OF MECHANICAL ENGG.  
BIET



**ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR  
ENRICHMENT OF CURRICULUM**

<b>1. Course:</b>	B.Tech (CE) R18 Regulations
<b>2. Subjects:</b>	Strength of Material
<b>3. Recommendations:</b>	<p>Alumni studying in IITs and NITs have brought to our notice that the topic "<b>stress tensor</b>" should be added in 2<sup>nd</sup> unit. Further, without the knowledge of stress tensor, the idea of stress transformation and its application is difficult.</p> <p>Pass out student preparing for competitive examinations have brought to our notice that the topic "<b>theories of failure</b>" should be added in unit 2 as it deals with the analysis of stresses like principal stress, strain, shear stress, strain etc. It is very important for GATE and Engineering services examinations point of view and is an important concept in the design of any structure.</p>
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.



*[Handwritten Signature]*

Head of Department

Civil Engineering, BIET



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpattanam - 501 510, Hyderabad

<b>1. Course:</b>	<b>BHARAT INSTITUTIONS</b> B.Tech (CE) R16 Regulations
<b>2. Subjects:</b>	<b>Concrete Technology</b>
<b>3. Recommendations:</b>	<p>During various site visits especially to Ready Mix Plants in our interaction with industry personnel, we have identified that the industry people are not satisfied with the level of knowledge and awareness of our students about quality control of the concrete. To meet the industry expectations following gaps and syllabus related issues have been identified and the modifications are suggested for kind consideration:</p> <p>For more practical exposure we may include;</p> <ol style="list-style-type: none"><li>1. Regular site visit to the construction site: to understand the practices of material handling, safety, preparation of material before mixing, concreting methods adopted. To develop awareness for example size of aggregates to avoid congestion with reinforcement, placing of concrete, compacting of concrete, curing methods of concrete.</li><li>2. Use of various IS codes used in the Mix design.</li><li>3. Compulsory site visit to ready-mix concrete plant, followed by report submission.</li><li>4. Workshop on Mix design of normal concrete and special concrete by an industry expert.</li></ol>
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

Head of Department

Civil Engineering, BIET



<b>1. Course:</b>	B.Tech (CE) R16 Regulations
<b>2. Subjects:</b>	<b>Design of Steel &amp; Reinforced concrete structures</b>
<b>3. Recommendations:</b>	<ol style="list-style-type: none"> <li>1. Scope of a teacher's assessment marks in the form for a minor project in structural engineering design may be introduced to solve real-life problems for calculating the various combination of loads. This will increase the level of attainment of PO (Program Outcomes) and a higher level of cognitive learning.</li> <li>2. Scope of a minor project in 7<sup>th</sup> sem structure engineering design may be introduced to design of a complete residential building from footing to top slab. This will increase the level of attainment of PO (Program Outcomes) and a higher level of cognitive learning.</li> <li>3. Design of a deep beam, curved beam and torsion consideration should also be introduced.</li> <li>4. Flat slab is being extensively used in the industry it should be introduced in the syllabus.</li> </ol>
<b>4. Action:</b>	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.

  
Head of Department

Civil Engineering, BIET



1. Course:	B.Tech (CE) R16 Regulations
2. Subjects:	<b>Civil Engineering Drawing</b>
3. Recommendations:	<p>The Alumni who have started their own consultancy firm, we have informed us regarding problem they are facing during initial days of their work is the insufficient knowledge and practical exposure to real life project during course. The level of learning is below par to be applied in practice. This is a serious issue which can be addressed by reform in the preset curriculum following gaps and syllabus related issues have been identified and the modifications are suggested for kind consideration:</p> <ol style="list-style-type: none"> <li>1. Minor Project: To draw detailed drawing as per Nagar Nigam Norms and standards using AutoCAD and mini drafter.</li> <li>2. Introduction to National Building Code: As NBC is used in practice by consultants, architects etc. Knowledge of the same is must for students.</li> <li>3. Detailing of Trusses and Roofs, Industrial Roof. Basic information about trusses should be known in second year</li> <li>4. Computer Aided Drafting Software can be included in 3<sup>rd</sup> sem where the students can learn basic command and elementary drawing. In 4<sup>th</sup> sem the students should be able to use soft tools for making 2D and 3D view of buildings.</li> </ol>
4. Action:	The departmental recommendation based on the feedback from various stakeholders are compiled and sent to the University for their consideration in the forthcoming Syllabus revision.



*[Signature]*  
Head of Department  
Civil Engineering, BIET

## **COMMUNICATION WITH THE JNTUH-BOS**

# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E., Recognised by the Govt. of T.S. and Affiliated to J.N.T.U.)

Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510.

Ph : 08414 - 252313 / 399. Fax : 08414 - 252647. E-mail : bietadmn@gmail.com

ref.:

Date :

1428/

Date: 24/04/2018

To  
The Registrar  
JNTUH UNIVERSITY, Kukatpally  
HYDERABAD-500085

Sir,

Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-  
COMPUTER SCIENCE AND ENGINEERING Dept.-Request to incorporate latest technologies/New  
courses as part of JNTUH Curriculum for the academic year-2018-2019 -for enhancement of  
employment opportunities for students-Reg.

I would like to bring the following for your kind perusal and favourable action through board of  
studies concerned

This is to bring your kind attention that the engineering students are unable to get suitable  
employment after the completion of their graduation. Though lot of efforts have been taken up by the  
colleges and the University, all our efforts go in vain. The efforts of all stakeholders like institution,  
University, industry, parents would bring fruitful result. if the University can take the initiative of  
introducing the following technologies which are being used widely in the industry.

1. SAP (III YEAR Onwards)
2. R SOFTWARE (III YEAR Onwards)
3. PYTHON PROGRAMMING (II YEAR Onwards)
4. BLOCK CHAIN TECHNOLOGY (IV YEAR Onwards)
5. ANDRIOD APPLICATION (III YEAR Onwards)
6. MOOC CERTIFICATION (II YEAR Onwards)

These technologies would certainly enable majority of the engineering graduates for employment.  
Training support can be taken from the industries.

I hope you would consider my request and take initiative in introducing the above mentioned  
technologies as part of JNTUH curriculum, by forwarding to the BOS of CSE dept, JNTUHCE,  
Hyderabad

Thanking you Sir,

Yours faithfully,

R. Madana Mohana  
HOD CSE, BIET.



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E., Recognised by the Govt. of T.S. and Affiliated to J.N.T.U.)

Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Manda.), Ranga Reddy District - 501 510.

Ph : 08414 - 252313 / 399, Fax : 08414 - 252647, E-mail : bletadm@gmail.com

Ref.:

Date: 22/05/2017

4429/

To  
The Registrar  
JNTUH University  
Kukatpally, Hyderabad-500085

Sir,

Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-  
COMPUTER SCIENCE AND ENGINEERING Dept.-Request to incorporate latest technologies/New  
courses as part of JNTUH Curriculum for the academic year-2017-2018 -for enhancement of  
employment opportunities for students-Reg.

I would like to bring the following for your kind perusal and favourable action through board of  
studies concerned

This is to bring your kind attention that the engineering students are unable to get suitable  
employment after the completion of their graduation. Though lot of efforts have been taken up by the  
colleges and the University, all our efforts go in vain. The efforts of all stakeholders like institution,  
University, industry, parents would bring fruitful results if the University can take the initiative of  
introducing the following technologies which are being used widely in the industry.

1. Python Programming
2. R Programming
3. Machine Learning
4. Android development course
5. .NET TECHNOLOGY
6. Data Science

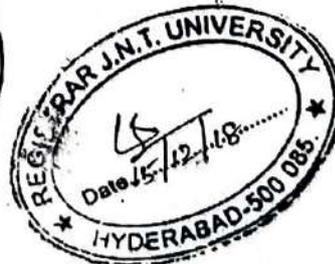
These technologies would certainly enable majority of the engineering graduates for employment.  
Training support can be taken from the industries.

I hope you would consider my request and take initiative in introducing the above mentioned  
technologies as part of JNTUH curriculum, by forwarding to the BOS of CSE dept, JNTUHCE,  
Hyderabad.

Thanking you Sir,

Yours faithfully,

K. Madane Mohan  
HOD, CSE



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E., Recognised by the Govt. of T.S. and Affiliated to J.N.T.U.)  
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY  
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510.  
Ph : 08414 - 252313 / 399, Fax : 08414 - 252647, E-mail : bietadmn@gmail.com

Ref.:

Date :  
Date: 27/05/2016

AE 1

4430/1

To  
The Registrar  
JNTUH University  
Kukatpally, Hyderabad-500085

Sir,  
Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-COMPUTER SCIENCE AND ENGINEERING Dept.-Request to incorporate latest technologies as part of JNTUH Curriculum for the academic year-2016-2017 -for enhancement of employment opportunities for students-Reg.

I would like to bring the following for your kind perusal and favourable action through board of studies concerned

This is to bring your kind attention that the engineering students are unable to get suitable employment after the completion of their graduation. Though lot of efforts have been taken up by the colleges and the University, all our efforts go in vain. The efforts of all stakeholders like institution, University, industry, parents would bring fruitful results if the University can take the initiative of introducing the following technologies which are being used widely in the industry.

1. Big data analytics
2. Internet of Things (IOT)
3. Mobile Application Development
4. MAT lab programming
5. Cyber Security

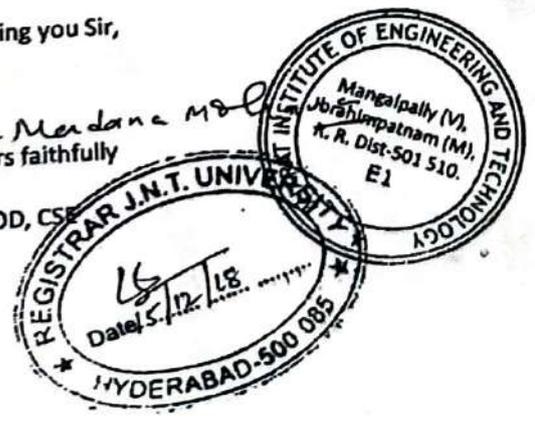
These technologies would certainly enable majority of the engineering graduates for employment. Training support can be taken from the industries.

I hope you would consider my request and take initiative in introducing the above mentioned technologies as part of JNTUH curriculum, by forwarding to the BOS of CSE dept, JNTUHCE, Hyderabad.

Thanking you Sir,

R. Merdana M.D.  
Yours faithfully

HOD, CSE



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E., Recognised by the Govt. of T.S. and Affiliated to J.N.T.U.)

Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510.

Ph : 08414 - 252313 / 399, Fax : 08414 - 252647, E-mail : bietadmn@gmail.com

Ref..

Date: 16/05/2015

4431/1

(E1)

To  
The Registrar  
JNTUH University  
Kukatpally, Hyderabad-500085

Sir,

Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-COMPUTER SCIENCE AND ENGINEERING Dept.-Request to incorporate latest technologies/New courses as part of JNTUH Curriculum for the academic year-2015-2016-for enhancement of employment opportunities for students-Reg.

I would like to bring the following for your kind perusal and favourable action through board of studies concerned

This is to bring your kind attention that the engineering students are unable to get suitable employment after the completion of their graduation. Though lot of efforts have been taken up by the colleges and the University, all our efforts go in vain. The efforts of all stakeholders like institution, University, industry, parents would bring fruitful results if the University can take the initiative of introducing the following technologies which are being used widely in the industry.

1. Cloud Computing (III YEAR)
2. Internet of Things (IOT)(IV YEAR)
3. Computer Organization practical LAB
4. CBCS (CHOICE BASED CREDIT SYSTEM)
5. Industry supporting laboratories (III Year on wards)
6. Aptitude communication skills audit courses ( I Year onwards)
7. Internship as mandatory course (III Year second semester onwards)
8. MOOC mandatory course (III Year onwards)
9. Systems, Applications and Products (SAP Course)

These technologies would certainly enable majority of the engineering graduates for employment. Training support can be taken from the industries.

I hope you would consider my request and take initiative in introducing the above mentioned technologies as part of JNTUH curriculum, by forwarding to the BOS of CSE dept, JNTUHCE, Hyderabad

Thanking you Sir,

R. Madane MB  
Yours faithfully

HOD, CSE



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E., Recognised by the Govt. of T.S. and Affiliated to J.N.T.U.)

Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510.

Ph : 08411 - 252513 / 209, Fax : 08411 - 252647 E-mail : bhetadran@gmail.com

Ref: ECE/Bos/BZET/2018 -19/01

Date : 21/04/2018

1579/1

To  
The Registrar  
JNTUH  
Kukatpally  
HYDERABAD-500085

Respected Sir,

Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-  
ELECTRONICS AND COMMUNICATION ENGINEERING Dept.-Request to incorporate latest  
technologies/New courses as part of JNTUH Curriculum for the academic year-2018-2019-for  
enhancement of employment opportunities for students-Reg.

I would like to bring the following for your kind perusal for favourable action.

This is to bring your kind attention that the engineering students are unable to get suitable  
employment after the completion of their graduation. Though lot of efforts have been taken up by the  
colleges and the University, all our efforts go in vain. The efforts of all stakeholders like institution,  
University, industry, parents would bring fruitful results if the University can take the initiative of  
introducing the following technologies which are being used widely in the industry.

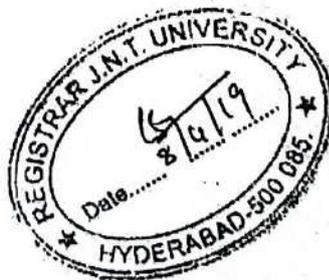
1. Embedded System Design Laboratory.
2. Advance Antenna Design Laboratory.
3. Aptitude and Communication Skills Course (1 Year onwards)
4. Internship as mandatory course (III Year Second Semester onwards)
5. MOOC mandatory Course (III Year Onwards)

These technologies would certainly enable majority of the engineering graduates for employment.  
Training support can be taken from the industries.

I hope you would consider my request and take initiative in introducing the above mentioned  
technologies as part of JNTUH curriculum.

Thanking you Sir.

Yours Sincerely,



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# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E., Recognised by the Govt. of T.S. and affiliated to JNTU H.)

Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), Banga Reddy District - 501 519.

Ph : 08414 - 252313 / 399, Fax : 08414 - 252047 E mail : bhata.ino@gmail.com

Ref: ECE/BOS/BZET/2017-18/01

Date : 11/04/2017

1580/

To  
The Registrar  
JNTUH  
Kukatpally  
HYDERABAD-500085

Respected Sir,

Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-  
ELECTRONICS AND COMMUNICATION ENGINEERING Dept.-Request to incorporate latest  
technologies/New courses as part of JNTUH Curriculum for the academic year-2017-2018-for  
enhancement of employment opportunities for students-Reg.

I would like to bring the following for your kind perusal for favourable action.

This is to bring your kind attention that the engineering students are unable to get suitable  
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colleges and the University, all our efforts go in vain. The efforts of all stakeholders like institution,  
University, industry, parents would bring fruitful results if the University can take the initiative of  
introducing the following technologies which are being used widely in the industry.

1. Cloud Computing Techniques (III Year)
2. Navigation System and Sensors (IV Year)
3. Navigation System and Sensor Laboratory (IV Year)
4. Systems, Applications and Products (SAP Course)

These technologies would certainly enable majority of the engineering graduates for employment.  
Training support can be taken from the industries.

I hope you would consider my request and take initiative in introducing the above mentioned  
technologies as part of JNTUH curriculum.

Thanking you Sir,

Yours Sincerely,

*K. Anil Kumar*  
HOD ECE, BIET



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, Recognised by the Govt. of T.S. and Affiliated to JNTU  
Sponsored by CHUNIA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally Village, Ibrahimpatnam Mandal, Rang Reddy District - 501516

Ph: 0844-232113, 199, 432, 433 Fax: 0844-232547 E-mail: [bi@bi.ac.in](mailto:bi@bi.ac.in)

ECE/BOS/BZET/2015-16/01

Date 10/04/2015

1582//

To  
The Registrar  
JNTU  
Kukatpally  
HYDERABAD-500085

Respected Sir,

**Sub:** BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-  
ELECTRONICS AND COMMUNICATION ENGINEERING Dept.-Request to incorporate latest  
technologies/New courses as part of JNTU Curriculum for the academic year-2015-2016-for  
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University, industry, parents would bring fruitful results if the University can take the initiative of  
introducing the following technologies which are being used widely in the industry.

1. Internet of Things (IOT) (IV Year)
2. CBS (CHOICE BASED CREDIT SYSTEM)
3. Industry Supporting Laboratories (III Year Onwards)
4. Aptitude and communication skills courses (I Year Onwards)
5. Internship as mandatory course (III Year Second semester Onwards)

These technologies would certainly enable majority of the engineering graduates for employment.  
Training support can be taken from the industries.

I hope you would consider my request and take initiative in introducing the above mentioned  
technologies as part of JNTU curriculum.

Thanking you Sir.

Yours Sincerely,

HOD ECE, BIET.



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E., Recognised by the Govt. of India and Affiliated to J.N.T.U.)

Sponsored by: CHINTA REDDY MADHUSUDHAN REDDY FOUNDATION SOCIETY

Mangalpally (Village), Ibrahimpatnam (Manure), Palpa (Taluk) District - 500 510.

Ph: 02414 - 252312 / 299, Fax: 02414 - 252317, E-mail: [bi@bi.ac.in](mailto:bi@bi.ac.in) / [bi@rediffmail.com](mailto:bi@rediffmail.com)

Ref: ECE/BOS/BIET/2016-17/01

Date: 15/04/2016

1581/1

To  
The Registrar  
JNTUH  
Kukatpally  
HYDERABAD-500085

Sir,

Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE- ELECTRONICS AND COMMUNICATION ENGINEERING Dept.-Request to incorporate latest technologies as part of JNTUH Curriculum for the academic year-2016-2017 -for enhancement of employment opportunities for students-Reg.

I would like to bring the following for your kind perusal for favourable action.

This is to bring your kind attention that the engineering students are unable to get suitable employment after the completion of their graduation. Though lot of efforts have been taken up by the colleges and the University, all our efforts go in vain. The efforts of all stakeholders like Institution, University, industry, parents would bring fruitful results if the University can take the initiative of introducing the following technologies which are being used widely in the industry.

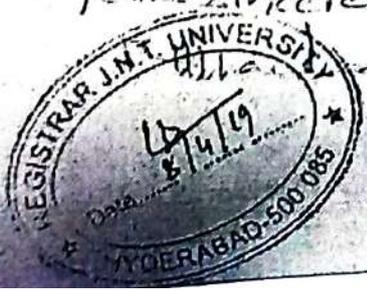
1. Cognitive Networked Sensing and Big Data
2. Internet of Things (IOT)
3. Advanced Sensors and Interface Electronics
3. Mobile Application Development
4. MATLAB programming and High Frequency Simulation lab
5. VLSI Laboratory.
6. Pattern Recognition and Machine Learning

These technologies would certainly enable majority of the engineering graduates for employment. Training support can be taken from the industries.

I hope you would consider my request and take initiative in introducing the above mentioned technologies as part of JNTUH curriculum.

Thanking you Sir,

Yours sincerely,



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognised by the Govt. of T.S. and Affiliated to JNTUH)  
Sponsored by : CHINNA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510.  
Ph: 08414 - 252313 / 399 / 542 / 644, Fax: 08414 - 252647, E-mail: bietadmin@gmail.com

Ref: ECE/BO S/BIET/2014-15/0

Date 18/04/2014

1583/1

To  
The Registrar  
JNTUH  
Kukatpally  
HYDERABAD-500085

Respected Sir,

Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-  
ELECTRONICS AND COMMUNICATION ENGINEERING Dept.-Request to incorporate latest  
technologies/New courses as part of JNTUH Curriculum for the academic year-2014-2015 -for  
enhancement of employment opportunities for students-Reg.

I would like to bring the following for your kind perusal for favourable action.

This is to bring your kind attention that the engineering students are unable to get suitable  
employment after the completion of their graduation. Though lot of efforts have been taken up by the  
colleges and the University, all our efforts go in vain. The efforts of all stakeholders like institution,  
University, industry, parents would bring fruitful results if the University can take the initiative of  
introducing the following technologies which are being used widely in the industry.

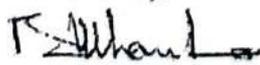
1. Introduction to Advanced Microprocessors (80186, 80286, Pentium)
2. Advance Microprocessor Laboratory.
3. Advance Digital Communication Laboratory.
4. Basic Signal Processing Laboratory.

These technologies would certainly enable majority of the engineering graduates for employment.  
Training support can be taken from the industries.

I hope you would consider my request and take Initiative in introducing the above mentioned  
technologies as part of JNTUH curriculum.

Thanking you Sir,

Yours Sincerely,



HOD ECE, BIET





# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognized by Govt. of AP and Affiliated to JNTUH)  
Sponsored by: CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), RangaReddy District-501510.  
Ph: 958414-252313/399, FAX-958414-252648 Email: [bictadmn@gmail.com](mailto:bictadmn@gmail.com).

Dated : 02-07-2018

(E1)

77117/2

To  
The Registrar  
JNTUH  
Kukatpally  
HYDERABAD-500085

Sir,

Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-ELECTRICAL AND ELECTRONICS ENGINEERING Dept.-Request to incorporate latest technologies a part of JNTUH Curriculum for the academic year-2018-2019 -for enhancement of employment opportunities for students-Reg.

We would like to bring the following points for your kind perusal for favourable action.

The engineering students are unable to get suitable employment after the completion of their graduation. Though lot of efforts have been taken up by the college and the University, all our efforts go in vain. The efforts of all stakeholders like institution, University, industry, parents would bring fruitful results if the University can take the initiative of introducing the following technologies which are being used widely in the industry.

1. IV-I - HVE (High Voltage Engineering)
  - a) Latest Trends in High Voltage Engineering
  - b) Gas as insulating media
  - c) Online and off-line tap changers
  - d) Testing of H.V Transformers
- IV-I - EDS (Electrical Distribution Systems)
  - a) Types of sub-transmission system
  - b) Radial and loop type of primary feeders
  - c) Types of substation buses
- IV-I - SGP (Switch Gear and Protection)
  - a) HVDC Circuit Breakers
  - b) Microprocessor protection of Induction motors
  - c) Protection of Induction motors

IV-I - UEE (Utilization of Electrical Energy)

- a) System of electric traction
- b) Traction electrification in India, problems
- c) AC & DC welding

*D.P.*  
02/07/18  
DESPATCHER  
J.N.T.U...  
Kukatpally Hyd-05.



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognized by Govt. of AP and Affiliated to JNTUH)  
Sponsored by: CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), RangaReddy District-501510.  
Ph: 958414-252313/399, FAX-958414-252648 Email: [bietedmn@gmail.com](mailto:bietedmn@gmail.com).

## IV-I – PSOC (Power system operation and control)

- a) Optimal load sharing of generators
  - b) Scheduling of Hydro Thermal power plants
  - c) Load frequency control by load shedding
2. III-I – EMI (Electrical Measuring Instruments)
- a) Measurement of mutual inductance by Cambel bridge
- III-I – PS-II (Power Systems – II)
- a) Effect of ground on capacitance
  - b) Skin, proximity and Ferranti effect
3. II-I – NT ( Network theorems)
- a) Single AC analysis
  - b) Synthesis of networks
- II-I - Electric Circuits
- a) Application of multi vibrators to power electronics
  - b) Operational amplifiers applications
  - c) Generation of waveforms using MATLAB

These technologies would certainly enable majority of the engineering graduates for employment. Training support can be taken from the industries.

We hope you that would consider our request and take initiative in introducing the above mentioned technologies as part of JNTUH curriculum.

Thanking you Sir,  
Yours faithfully

HOD, EEE,  
BIET

Bharat Institute of Engineering & Technology,  
Mangalpally (V), Ibrahimpatnam (M),  
Ranga Reddy District-501510, A.P



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognized by Govt. of AP and Affiliated to JNTUH)  
Sponsored by: CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District-501510.  
Ph: 958414-252313/399, FAX-958414-252648 Email: [bictadmn@gmail.com](mailto:bictadmn@gmail.com)

Dated : 19-07-2017

To  
The Registrar  
JNTUH  
Kukatpally  
HYDERABAD-500085

77118/2

Sir,

**Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-ELECTRICAL AND ELECTRONICS ENGINEERING Dept.-Request to incorporate latest technologies as part of JNTUH Curriculum for the academic year-2017-2018 -for enhancement of employment opportunities for students-Reg.**

We would like to bring the following for your kind perusal for favourable action.

The engineering students are unable to get suitable employment after the completion of their graduation. Though lot of efforts have been taken up by the colleges and the University, all our efforts go in vain. The efforts of all stakeholders like institution, University, industry, parents would bring fruitful results if the University can take the initiative of introducing the following technologies which are being used widely in the industry.

**1. IV-1 - EDS ( Electrical Distribution Systems)**

- a) sub-transmission system
- b) sub-transmission schemes

**IV-1 -RES (Renewable Energy Sources)**

- a) 12VDC-220VAC inverter using solar

**IV-II - Fundamentals of HVDC and FACTS**

- a) HVAC conversion into HVDC

**2. III-1 - Control systems**

- a) Polar plot and Nyquist criterion

**III-I - Electrical machines-III**

- a) Synchronous machines practical approach

**III-II - CMPS (Computer methods for power systems)**

- a) Load flow studies in mat lab

**3. II-1 - Electrical Machines-I**

- a) Scott connection of transformers

**II-I - Network theory**

- a) Concept of image parameters Operational amplifiers applications

**II-II - Control systems**

- a) Design of compensators using mat lab

*[Signature]*  
20/07/17  
BESPATCHAR  
J.N.T.U.H.  
Kukatpally, Hyd-85.



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognized by Govt. of AP and Affiliated to JNTUH)

Sponsored by: CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mengalpally (Village), Ibrahimpatnam (Mandal), RangaReddy District-501510.  
Ph: 958414-252313/399, FAX-958414-252648 Email: [bietadmn@gmail.com](mailto:bietadmn@gmail.com).

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## II-II – STLD (Switching THEORY AND Logic Design)

- a) Coding and decoding using SCI lab

These technologies would certainly enable majority of the engineering graduates for employment. Training support can be taken from the industries.

I hope that you would consider our request and take initiative in introducing the above mentioned technologies as part of JNTUH curriculum.

Thanking you Sir,

Yours faithfully

HOD, EEE,  
BIET

Institute of Engineering & Technology  
Mengalpally (V), Ibrahimpatnam (M),  
Ranga Reddy District-501 510, A.P



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognized by Govt. of AP and Affiliated to JNTUH)  
Sponsored by: CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), RangaReddy District-501510.  
Ph: 958414-252313/399, FAX-958414-252648 Email: [bietadmn@gmail.com](mailto:bietadmn@gmail.com).

Dated: 26-07-2016

To  
The Registrar  
JNTUH  
Kukatpally  
HYDERABAD-500085

37117/2

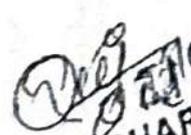
Sir,

Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-ELECTRICAL AND ELECTRONICS ENGINEERING Dept.-Request to incorporate latest technologies as part of JNTUH Curriculum for the academic year-2016-2017 -for enhancement of employment opportunities for students-Reg.

We would like to bring the following points for your kind perusal for favourable action.

The engineering students are unable to get suitable employment after the completion of their graduation. Though lot of efforts have been taken up by the colleges and the University, all our efforts go in vain. The efforts of all stakeholders like institution, University, industry, parents would bring fruitful results if the University can take the initiative of introducing the following technologies which are used widely in the industry.

1. IV-I - Electrical Measurements LAB
  - a) Oil testing of transformer, HV underground cables
- IV-I - EDS ( Electrical Distribution Systems)
  - a) Types of sub-transmission system
  - b) Radial and loop type of primary feeders
  - c) Types of substation buses
- IV-I - SGP ( Switch Gear and Protection)
  - a) First aid practice for fatal electrical accidents
  - b) Overhead safety lines protection to farmers
  - c) Domestic electrical safety
- IV- II - RES (Renewable Energy Sources )
  - a) Advance technologies in harvesting renewable energy
  - b) Maintenance of biogas plant

  
DESPATCHER  
J.N.T.U.H.  
Kukatpally, Hyd-85.

# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognized by Govt. of AP and Affiliated to JNTUH)  
Sponsored by: CHINTA REDDY MADIUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), RangaReddy District-501510.  
Ph: 958414-252313/399, FAX-958414-252648 Email: [bietaadm@gmail.com](mailto:bietaadm@gmail.com).

## IV-II – UEE (Utilization Electrical Energy)

a) Maintenance of electrified traction system

## IV-II – EHVAC (Extra High Voltage AC)

a) Maintenance of ultra high voltage apparatus

b) PROJECT WORK - Exposure to recent trends in electrical engineering

## 2. III-II – Computer Methods in Power Systems (CMPS)

a) SCADA System

## III-I – PS-II (Power Systems – II)

a) Method of assessment of working condition of turbo generators

## III-I – Control Systems

a) Advances in control, power, energy and electronic systems

## 3. II-I – Power Systems-I

a) Operation and maintenance of various apparatus of thermal plant

These technologies would certainly enable majority of the engineering graduates for employment. Training support can be taken from the industries.

We hope you that would consider our request and take initiative in introducing the above mentioned technologies as part of JNTUH curriculum.

Thanking you Sir,  
Yours faithfully

HOD, EEE,  
BIET

Institute of Engineering & Technology,  
Mangalpally (V), Ibrahimpatnam (M),  
Ranga Reddy District-501510, A.P



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognized by Govt. of AP and Affiliated to JNTUH)  
Sponsored by: CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), RangaReddy District-501510.  
Ph: 958414-252313/399, FAX-958414-252648 Email: [bjadm@gnail.com](mailto:bjadm@gnail.com)

Dated : 23-07-2015

To  
The Registrar  
JNTUH  
Kukatpally  
HYDERABAD-500085

7120/2

Sir,

Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-ELECTRICAL AND ELECTRONICS ENGINEERING Dept.-Request to incorporate latest technologies as part of JNTUH Curriculum for the academic year-2015-2016 -for enhancement of employment opportunities for students-Reg.

We would like to bring the following points for your kind perusal for favourable action.

The engineering students are unable to get suitable employment after the completion of their graduation. Though lot of efforts have been taken up by the colleges and the University, all our efforts go in vain. The efforts of all stakeholders like institution, University, industry, parents would bring fruitful results if the University can take the initiative of introducing the following technologies which are being used widely in the industry.

1. IV-I - HVE (High Voltage Engineering )

- a) Latest Trends in High Voltage Engineering
- b) Gas as insulating media
- c) Online and off-line tap changers
- d) Testing of H.V Transformers

IV-I - EDS ( Electrical Distribution Systems)

- a) Types of sub-transmission system
- b) Radial and loop type of primary feeders
- c) Types of substation buses

IV-I - SGP ( Switch Gear and Protection)

- a) HVDC Circuit Breakers
- b) Microprocessor protection of Induction motors
- c) Protection of induction motors

IV-I - UEE (Utilization of Electrical Energy )

- a) System of electric traction
- b) Traction electrification in India, problems
- c) AC & DC welding

23/07/15  
DESPATCHER  
J.N.T.U.H.  
Kukatpally, Hyd-85.



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognized by Govt. of AP and Affiliated to JNTU(I))  
Sponsored by: CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), RangaReddy District-501510.  
Ph: 958414-252313/399, FAX-958414-252648 Email: [bietaadm@gmail.com](mailto:bietaadm@gmail.com)

## IV-1 - PSOC (Power system operation and control)

- a) Optimal load sharing of generators
- b) Scheduling of Hydro Thermal power plants
- c) Load frequency control by load shedding

## 2. III-1 - EMI (Electrical Measuring Instruments)

- a) Measurement of mutual inductance by Cabel bridge

## III-1 - PS-II (Power Systems - II)

- a) Effect of ground on capacitance
- b) Skin, proximity and Ferranti effect

## 3. II-1 - NT ( Network theorems)

- a) Single AC analysis
- b) Synthesis of networks

## II-1 - Electric Circuits

- a) Application of multi vibrators to power electronics
- b) Operational amplifiers applications
- c) Generation of waveforms using MATLAB

These technologies would certainly enable majority of the engineering graduates for employment. Training support can be taken from the Industries.

We hope you that would consider our request and take initiative in introducing the above mentioned technologies as part of JNTUH curriculum.

Thanking you Sir,  
Yours faithfully

  
HOD, EEE,  
BIET

Bharat Institute of Engineering & Technology  
Mangalpally (Village), Ibrahimpatnam (Mandal),  
Ranga Reddy District-501 510. A.P



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognized by Govt. of AP and Affiliated to JNTUH)  
Sponsored by: CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), RangaReddy District-501510.  
Ph: 958414-252313/399, FAX-958414-252648 Email: [bietaadm@gmail.com](mailto:bietaadm@gmail.com).

Dated : 07-07-2014.

To  
The Registrar  
JNTUH  
Kukatpally  
HYDERABAD-500085

71.21/2

Sir,

Sub: BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY COLLEGE-ELECTRICAL AND ELECTRONICS ENGINEERING Dept.-Request to incorporate latest technologies as part of JNTUH Curriculum for the academic year-2014-2015 -for enhancement of employment opportunities for students-Reg.

We would like to bring the following points for your kind perusal for favourable action.

The engineering students are unable to get suitable employment after the completion of their graduation. Though lot of efforts have been taken up by the colleges and the University, all our efforts go in vain. The efforts of all stakeholders like institution, University, industry, parents would bring fruitful results if the University can take the initiative of introducing the following technologies which are being used widely in the industry.

1. IV-I – EDS ( Electrical Distribution Systems)
  - a) Maint. Of 33/11 KV substation transformers
  - IV-I – SGP( Switch Gear and Protection)
    - a) Modern trends in Extra/ultra circuit breakers
  - IV- II – Major project
    - a) Recent trends in electrical and electronics engineering

IV-II – SGP ( Switch Gear and Protection)

- b) Application of Alarm system
2. III-I – PE (Power Electronics )
  - a) Simulation of power electronic devices and application
  - b) Scheduling of Hydro Thermal power plants
  - c) Load frequency control by load shedding
3. III-I – EM-III (Electrical Machines)
  - a) Industrial special machines
- III-II – Advanced English Communication skills Lab
  - a) Entrepreneurship skills
- III-II - EM ( Electrical ) Measurements

1  
DESPATCHER  
JNTUH  
Kukatpally, Hyd-85.



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognized by Govt. of AP and Affiliated to JNTUH)

Sponsored by: CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

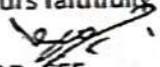
Mangalpally (Village), Ibrahimpatnam (Mandal), RangaReddy District-501510.  
Ph: 958414-252313/399, FAX-958414-252648 Email: [bietaadm@gmail.com](mailto:bietaadm@gmail.com).

- 
- a) Smart metering , study of megger
  - b) Advancemrnts in testing instuments
  - III-II – Environmental studies
    - a) Green house gas effect
    - b) Energy generation from waste mateials
  - 3. II-I - Electrical Machines-I
    - a) Electrical AC & DC Machine maitenance
  - II-II – Electrical machines-II
    - b) Scott transformer maintenance, cramer method of speed control
  - II-II – Power Systems –II
    - a) Technical challenges in thermal power generation

These technologies would certainly enable majority of the en( neering graduates for employment. Training support can be taken from the industries.

We hope you that would consider our request and take initiative in introducing the above mentioned technologies as part of JNTUH curriculum.

Thanking you Sir,  
Yours faithfully

  
HOD, EEE,  
BIET

Bharat Institute of Engineering & Technology  
Mangalpally (V), Ibrahimpatnam (M),  
Ranga Reddy Distric-501 510. A.P



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mangalpally(V), Ibrahimpatnam(M), Ranga Reddy, Hyderabad - 501 510

1717

Date 23/12/2018  
Place Mangalpally

To,  
The Registrar  
Board of studies, Dept of Mech  
JNTU Hyderabad.

Sub: Some inputs and suggestions regarding B.Tech., Mech II, III, IV year curriculum gaps and request to bridge the gap-regarding.

Dear Sir,

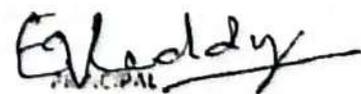
In view of the above cited, I hereby put forward the following changes/suggestions in Mech department for your kind sanction the courses in the defined JNTUH curriculum of the B.Tech., programme need to have a correlation to the programme outcomes of the B.Tech Mech programme.

The department advisor committee have identified the following curriculum gaps which need the possible addition of new content/add on courses in the curriculum to bridge the gap & better attain certain programme outcomes.

Sl.No	Course	Gaps in the syllabus	Year/Sem	Application	Remarks
1	Unconventional Machining Process	Advances in Unconventional Machining Process.	4/1	GATE/IES	
2	Metrology & Machine tools	Advance Manufacturing Processes	3/1	Industry requirements/IES	
3	Manufacturing Process	Advanced NDT Techniques	2/2	Industry	
4	CAD/CAM	Metal Rapid Prototyping.	4/1	Industry	

Request for consideration for inclusion of the above gaps in the curriculum so as to meet the PO's

Thanking You

  
PRINCIPAL

PRINCIPAL  
Bharat Institute of Engg. & Tech  
Mangalpally (V), Ibrahimpatnam (M)  
Ranga Reddy Dist-501 510





# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mangalpally(V), Ibrahimpatnam(M), Ranga Reddy, Hyderabad - 501 510

1663/1

Date 16-07-2018  
Place Mangalpally

To,  
The Registrar  
Board of studies, Dept of Mech  
JNTU Hyderabad.

Sub: Some inputs and suggestions regarding B.Tech., Mech II, III, IV year curriculum gaps and request to bridge the gap-regarding.

Dear Sir,

In view of the above cited, I here by put forward the following changes/suggestions in Mech department for your kind sanction the courses in the defined JNTUH curriculum of the B.Tech., programme need to have a correlation to the programme outcomes of the B.Tech Mech programme.

The department advisor committee have identified the following curriculum gaps which need the possible addition of new content/add on courses in the curriculum to bridge the gap & better attain certain programme outcomes.

Sl.No	Course	Gaps in the syllabus	Year/sem	Application	Remarks
1	Manufacturing Process	Advances in Welding Technologies	2/2	Industry	
2	Industrial Management	Geometrical Dimensioning and Tolerance	4/1	GATE/IES	
3	Metrology & Machine tools	Quality Engineering in Production, Advances in metrology in Aerospace manufacturing.	2/1	Industry	

Consideration for inclusion of the above gaps in the curriculum so as to meet the PO's

Thanking You



*R. Reddy*  
PRINCIPAL  
Bharat Institute of Engg. & Tech  
Mangalpally (V), Ibrahimpatnam (M)  
Ranga Reddy Dist-501 510



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mangalpally(V), Ibrahimpatnam(M), Ranga Reddy, Hyderabad - 501 510

16,14/1

Date: 23-07-2017  
Place: Mangalpally

To,  
The Registrar  
Board of studies, Dept of Mech  
JNTU Hyderabad.

Sub: Some inputs and suggestions regarding B.Tech., Mech II, III, IV year curriculum gaps and request to bridge the gap-regarding.

Dear Sir,

In view of the above cited, I hereby put forward the following changes/suggestions in Mech department for your kind sanction the courses in the defined JNTUH curriculum of the B.Tech., programme need to have a correlation to the programme outcomes of the B.Tech Mech programme.

The department advisor committee have identified the following curriculum gaps which need the possible addition of new content/add on courses in the curriculum to bridge the gap & better attain certain programme outcomes.

Sl.No	Course	Gaps in the syllabus	Year/sem	Application	Remarks
1	CAD/CAM	Advances in CNC Machines and Machining Courses	4/1	Industry	
2	Machine design	Design of Press Tools	3/2	IES	
3	RES	Advances in Renewable Energy	1/2	Industry	

Request for inclusion of the above gaps in the curriculum so as to meet the PO's

Thanking You



*E.R. Reddy*  
PRINCIPAL  
Bharat Institute of Engg. & Tech  
Mangalpally (V), Ibrahimpatnam (M)  
Ranga Reddy Dist-501 510



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mangalpally(V), Ibrahimpatnam(M), Ranga Reddy, Hyderabad - 501 510

1515/1

Date: 19/06/2016  
Place: Mangalpally

To,  
The Registrar  
Board of studies, Dept of Mech  
JNTU Hyderabad.

Sub: Some inputs and suggestions regarding B.Tech., Mech II, III, IV year curriculum gaps and request to bridge the gap-regarding.

Dear Sir,

In view of the above cited, I here by put forward the following changes/suggestions in Mech department for your kind sanction the courses in the defined JNTUH curriculum of the B.Tech., programme need to have a correlation to the programme outcomes of the B.Tech Mech programme.

The department advisor committee have identified the following curriculum gaps which need the possible addition of new content/add on courses in the curriculum to bridge the gap & better attain certain programme outcomes.

Sl.No	Course	Gaps in the syllabus	Year/sem	Application	Remarks
1	Instrumentation And Control Systems	System Integration - Testing of Missiles	4/1	Industry	
2	CAD/CAM	AS / RS AND COMPUTER INTEGRATED MFG, Advances in Additive Mfg Technology.	4/1	Advanced Topic	
3	FEM	Advances in FEM	3/2	Advanced Topic	

A kind consideration for inclusion of the above gaps in the curriculum so as to meet the PO's

Thanking You



*E. Reddy*  
PRINCIPAL

Bharat Institute of Engg. & Tech  
Mangalpally (V), Ibrahimpatnam (M)  
Ranga Reddy Dist-501 510



# BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mangalpally(V), Ibrahimpatnam(M), Ranga Reddy, Hyderabad - 501 510

1016/1

Date: 11.06.2015  
Place: Mangalpally

To,  
The Registrar  
Board of studies, Dept of Mech  
JNTU Hyderabad.

Sub: Some inputs and suggestions regarding B.Tech., Mech II, III, IV year curriculum gaps and request to bridge the gap-regarding.

Dear Sir,

In view of the above cited, I hereby put forward the following changes/suggestions in Mech department for your kind sanction the courses in the defined JNTUH curriculum of the B.Tech., programme need to have a correlation to the programme outcomes of the B.Tech Mech programme.

The department advisor committee have identified the following curriculum gaps which need the possible addition of new content/add on courses in the curriculum to bridge the gap & better attain certain programme outcomes.

Sl.No	Course	Gaps in the syllabus	Year/Sem	Application	Remarks
1	CAD/CAM	F M S and Group Technology	4/1	Industry	
2	FEM	Advances in FEM	3/2	Industry	
	Production Technology	Bio Medical Applications of Additive Mfg Technology	2/2	Industry	

A kind consideration for inclusion of the above gaps in the curriculum so as to meet the PO's

Thanking you

*Eg. Reddy*  
PRINCIPAL  
06/7



**ACTION TAKEN BY THE JNTUH**

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

## B.TECH. COMPUTER SCIENCE AND ENGINEERING IV YEAR COURSE STRUCTURE & SYLLABUS (R16)

Applicable From 2016-17 Admitted Batch

### IV YEAR I SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	CS701PC	Data Mining	4	0	0	4
2	CS702PC	Principles of Programming Languages	4	0	0	4
3		Professional Elective – II	3	0	0	3
4		Professional Elective – III	3	0	0	3
5		Professional Elective – IV	3	0	0	3
6	CS703PC	Data Mining Lab	0	0	3	2
7		PE-II Lab <sup>#</sup>	0	0	3	2
	CS751PC	Python Programming Lab				
	CS752PC	Mobile Application Development Lab				
	CS753PC	Web Scripting Languages Lab				
	CS754PC	Internet of Things Lab				
8	CS705PC	Industry Oriented Mini Project	0	0	3	2
9	CS706PC	Seminar	0	0	2	1
		<b>Total Credits</b>	<b>17</b>	<b>0</b>	<b>11</b>	<b>24</b>

### IV YEAR II SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1		Open Elective – III	3	0	0	3
2		Professional Elective – V	3	0	0	3
3		Professional Elective – VI	3	0	0	3
4	CS801PC	Major Project	0	0	30	15
		<b>Total Credits</b>	<b>9</b>	<b>0</b>	<b>30</b>	<b>24</b>

### Professional Elective – I

CS611PE	Mobile Computing
CS612PE	Design Patterns
CS613PE	Artificial Intelligence
CS614PE	Information Security Management (Security Analyst - I)
CS615PE	Introduction to Analytics (Associate Analytics - I)

### Professional Elective - II

CS721PE	Python Programming
CS722PE	Mobile Application Development
CS723PE	Web Scripting Languages
CS724PE	Internet of Things

### Professional Elective - III

CS731PE	Graph Theory
CS732PE	Distributed Systems
CS733PE	Machine Learning
CS734PE	Software Process and Project Management

### Professional Elective - IV

CS741PE	Computational Complexity
CS742PE	Cloud Computing
CS743PE	Blockchain Technology
CS744PE	Social Network Analysis

### Professional Elective - V

CS851PE	Information Theory & Coding
CS852PE	Real-Time Systems
CS853PE	Data Analytics
CS854PE	Modern Software Engineering

### Professional Elective - VI

CS861PE	Advanced Algorithms
CS862PE	Web Services and Service Oriented Architecture
CS863PE	Computer Forensics
CS864PE	Neural Networks and Deep Learning

PRINCIPAL  
*V. Lakshmi Devi*

Principal  
Bharat Institute of Engg. &  
Mangalpally(V), Ibrahimpa  
Ranga Reddy (Dist)-Telangan

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B.TECH. INFORMATION TECHNOLOGY  
IV YEAR COURSE STRUCTURE & SYLLABUS (R16)**

**Applicable From 2016-17 Admitted Batch**

**IV YEAR I SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	CS701PC	Data Mining	4	0	0	4
2	IT702PC	Android Application Development	4	0	0	4
3		Professional Elective – II	3	0	0	3
4		Professional Elective – III	3	0	0	3
5		Professional Elective – IV	3	0	0	3
6	IT703PC	Android Application Development Lab	0	0	3	2
7		PE-II Lab #	0	0	3	2
	CS751PC	Python Programming Lab				
	IT752PC	Multimedia Application Development Lab				
	CS753PC	Linux programming Lab				
	CS754PC	R Programming Lab				
	CS755PC	Internet of Things Lab				
8	IT705PC	Industry Oriented Mini Project	0	0	3	2
9	IT706PC	Seminar	0	0	2	1
		<b>Total Credits</b>	<b>17</b>	<b>0</b>	<b>11</b>	<b>24</b>

Courses in PE - II and PE - II Lab must be in 1-1 correspondence.

**IV YEAR II SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1		Open Elective – III	3	0	0	3
2		Professional Elective – V	3	0	0	3
3		Professional Elective – VI	3	0	0	3
4	IT801PC	Major Project	0	0	30	15
		<b>Total Credits</b>	<b>9</b>	<b>0</b>	<b>30</b>	<b>24</b>

**Professional Elective – I**

CS611PE	Mobile Computing
IT612PE	Object Oriented Analysis and Design
IT613PE	Computer Forensics
CS614PE	Information Security Management (Security Analyst - I)
CS615PE	Introduction to Analytics (Associate Analytics - I)

### Professional Elective - II #

CS721PE	Python Programming
IT722PE	Multimedia Application Development
CS723PE	Linux Programming
CS724PE	R Programming
CS725PE	Internet of Things

### Professional Elective - III

IT731PE	Distributed Computing
CS732PE	Machine Learning
CS733PE	Cloud Computing
CS734PE	Information Security Assessment and Audit (Security Analyst - II)
CS735PE	Big Data Analytics (Associate Analytics - II)

### Professional Elective - IV

CS741PE	Computer Graphics
IT742PE	Storage Area Networks
CS743PE	E-Commerce
IT744PE	Information Retrieval System
CS745PE	Web Services and Service Oriented Architecture

### Professional Elective - V

CS851PE	Natural Language Processing
CS852PE	Middleware Technologies
CS853PE	Big Data Analytic Techniques
CS854PE	Information Security Incident Response and Management (Security Analyst - III)
CS855PE	Predictive Analytics (Associate Analytics - III)

### Professional Elective - VI

CS861PE	Software Testing Methodologies
CS862PE	Semantic Web and Social Networks
IT863PE	Artificial Intelligence
CS864PE	Cyber security
CS865PE	Human Computer Interaction

  
PRINCIPAL  
Principal  
Bharat Institute of Engg. and  
Mangalpally(V), Ibrahimpatnam  
Ranga Reddy (Dist)-Telangana-501501