FEEDBACK REPORT

FEEDBACK COLLECTION, FEEDBACK ANALYSIS & ACTION TAKEN REPORT

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Affiliated to JNTUH & Approved by AICTE)
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy (District), Telangana-501510

ACTION TAKEN REPORT ON FEEDBACK

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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

1. Course:	B.Tech (CSE) R16 Regulations
2. Subjects:	1. SAP 2. R Programming 3. Python Programming 4. Block Chain Technology 5. Android Application 6. MOOC CERTIFICATION
3. Recommendations:	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. 2. Related to Database Management systems and Data Mining, SAP concepts may be introduced. 3. Related to Data Mining and Introduction to Analytics, R programming may be included. 4. Related to Information security and project work, Block chain technology may be included. 5. Related to Web Technologies and Project work, Course on Android Application may be introduced. 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.
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 CSE
BIET

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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

1. Course:	B.Tech (CSE) R16 Regulations
2. Subjects:	1. Python Programming 2. R Programming 3. Machine Learning 4. Android Development course 5. .NET technology 6. Data Science
3. Recommendations:	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. 2. Related to Data Mining and Data Analytics, Data Science for engineers 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.

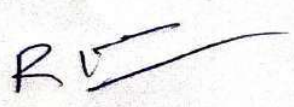HEAD OF DEPARTMENT
DEPARTMENT OF CSE
BIET

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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

1. Course:	B.Tech (CSE) R15 Regulations
2. Subjects:	1. Big Data Analytics 2. Internet of Things (IOT) 3. Mobile Application Development 4. Cyber Security 5. Mat Lab Programming
3. Recommendations:	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.
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 CSE
BIET

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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

1. Course:	B.Tech (CSE) R13 Regulations
2. Subjects:	1. Cloud Computing 2. Internet of Things 3. Computer Organization practical lab 4. SAP Course
3. Recommendations:	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.
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 CSE
BIET

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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

1. Course:	B.Tech (CSE) R09 Regulations
2. Subjects:	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
3. Recommendations:	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.
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 CSE
BIET

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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

1. Course:	B.Tech (ECE) R16 Regulations
2. Subjects:	1. Embedded Systems Design 2. Advance Antenna Design 3. Aptitude and Communication Skills Course 4. MOOC CERTIFICATION
3. Recommendations:	1. Curriculum should include laboratory practice for Embedded system design and advanced antenna design courses. 2. Improvement in aptitude training and communication skills needs to be increased. 5Internships on advanced subjects need to be improved. 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.
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 ECE
BIET

E1

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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

1. Course:	B.Tech (ECE) R16 Regulations
2. Subjects:	1. Cloud Computing 2. Navigation System and sensors 3. SAP Course
3. Recommendations:	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.
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 ECE
BIET

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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

1. Course:	B.Tech (ECE) R13 Regulations
2. Subjects:	1. Cognitive Networked Sensing and Big data 2. Internet of Things 3. Advanced sensors and Interface 4. Mobile Application Development 5. MATLAB Programming and High frequency simulation. 6. VLSI Laboratory. 7. Pattern Recognition and Machine learning
3. Recommendations:	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 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.
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 ECE
BIET

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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

1. Course:	B.Tech (ECE) R09 Regulations
2. Subjects:	1. Introduction to Advanced microprocessors 2. Advance digital communication laboratory 3.Basic signal processing Lab
3. Recommendations:	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.
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 ECE
BIET

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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

1. Course:	B.Tech (EEE) R16 Regulations
2. Subjects:	1. Linear Systems Analysis 2. Switched Mode Power Supplies 3. Special Machines
3. Recommendations:	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.
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

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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

1. Course:	B.Tech (EEE) R16 Regulations
2. Subjects:	1. Wind Solar, Hybrid Energy systems 2. Power electronic Converters for Renewable Energy
3. Recommendations:	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.
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

Ibrahimpatnam - 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. Geneder 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

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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

1. Course:	B.Tech (CSE) R09 Regulations
2. Subjects:	1. Artificial Neural Networks 2. Fuzzy Logic Controller 3.Electrical Estimation and Costing 5. Digital Control Systems
3. Recommendations:	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
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

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF MECHANICAL ENGINEERING

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

1. Course:	B.Tech (MECH) R16 Regulations
2. Subjects:	1. UNCONVENTIONAL MACHINING PROCESS 2. METROLOGY AND MACHINE TOOLS 3. MANUFACTURING PROCESS 4. CAD/CAM
3. Recommendations:	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.
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

Ibrahimpatnam - 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

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF MECHANICAL ENGINEERING

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

1. Course:	B.Tech (MECH) R15 Regulations
2. Subjects:	1. INSTRUMENTATION AND CONTROL SYSTEMS 2. CAD/CAM 3. FME
3. Recommendations:	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.
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

Ibrahimpatnam - 501 510, Hyderabad

DEPARTMENT OF MECHANICAL ENGINEERING

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

1. Course:	B.Tech (MECH) R13 Regulations
2. Subjects:	1. CAD/CAM 2. FME 3. PRODUCTION TECHNOLOGY
3. Recommendations:	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.
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
INSTITUTIONS**

ACTION TAKEN BASED ON STAKEHOLDERS FEEDBACK FOR ENRICHMENT OF CURRICULUM

1. Course:	B.Tech (CE) R18 Regulations
2. Subjects:	Strength of Material
3. Recommendations:	Alumni studying in IITs and NITs have brought to our notice that the topic **"stress tensor"** should be added in 2nd unit. Further, without the knowledge of stress tensor, the idea of stress transformation and its application is difficult. Pass out student preparing for competitive examinations have brought to our notice that the topic **"theories of failure"** 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.
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
Civil Engineering, BIET

1. Course:	B.Tech (CE) R16 Regulations
2. Subjects:	**Concrete Technology**
3. Recommendations:	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: For more practical exposure we may include; 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. 2. Use of various IS codes used in the Mix design. 3. Compulsory site visit to ready-mix concrete plant, followed by report submission. 4. Workshop on Mix design of normal concrete and special concrete by an industry expert.
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

Civil Engineering, BIET

1. Course:	B.Tech (CE) R16 Regulations
2. Subjects:	**Design of Steel & Reinforces concrete structures**
3. Recommendations:	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.
	2. Scope of a minor project in 7th 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.
	3. Design of a deep beam, curved beam and torsion consideration should also be introduced.
	4. Flat slab is being extensively used in the industry it should be introduced in the syllabus.
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
Civil Engineering, BIET

1. Course:	B.Tech (CE) R16 Regulations
2. Subjects:	**Civil Engineering Drawing**
3. Recommendations:	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: 1. Minor Project: To draw detailed drawing as per Nagar Nigam Norms and standards using AutoCAD and mini drafter. 2. Introduction to National Building Code: As NBC is used in practice by consultants, architects etc. Knowledge of the same is must for students. 3. Detailing of Trusses and Roofs, Industrial Roof. Basic information about trusses should be known in second year 4. Computer Aided Drafting Software can be included in 3rd sem where the students can learn basic command and elementary drawing. In 4th sem the students should be able to use soft tools for making 2D and 3D view of buildings.
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
Civil Engineering, BIET

COMMUNICATION WITH THE JNTUH-BOS

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), Ibrahimpalnam (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 Mohan
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 : bieladmn@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

1430/

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
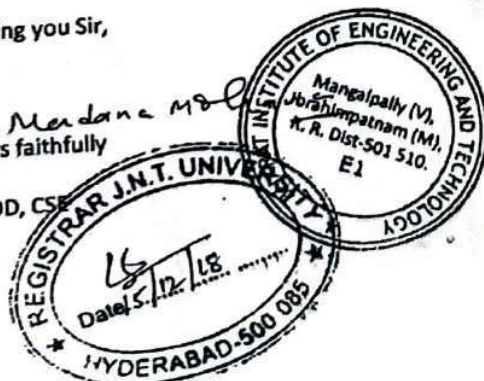4. MAT lab programming
5. Cyber Security

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. Madana M&

Yours faithfully

HOD, CSE

Date: 5/12/18

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 : bieladmn@gmail.com

Ref..

Date: 16/05/2015

4431/₁ Ⓔ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/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 MD
Yours faithfully

HOD, CSE

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ref: ECE/BoS/BIET/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 (I 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,
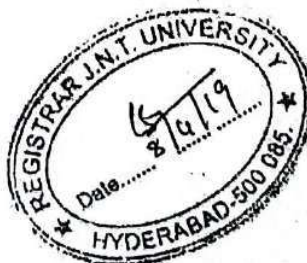
BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ref: ECE|BoS|BIET|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 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 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.

HOD ECE. BIET.

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

ECE/Bos/BIET/2015-16/01   Date 10/04/2015

1582/1

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-2015-2016-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. 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 JNTUH 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 T.S. and affiliated to J.N.T.U.)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpalnam Mandal, Ranga Reddy District - 501 510.
Ph : 08414 - 252312 / 999, Fax: 08414 - ...... E-mail : ......

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. MAT lab 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

Ref.: ECE|Bo S |BIET | 2014-15|v)

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

Dated : 02-07-2018

(E1)

37117/2

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 as 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
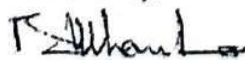used widely in the industry.

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

DESPATCH R
J.N.T.U....
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: bietadmn@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

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

2

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

---

Dated : 19-07-2017

To
The Registrar

JNTUH
Kukatpally
HYDERABAD-500085

27118/2

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-I - EDS (Electrical Distribution Systems)
   a) sub-transmission system
   b) sub-transmission schemes

   IV-I –RES (Renewable Energy Sources)

   a) 12VDC-220VAC inverter using solar
   IV-II – Fundamentals of HVDC and FACTS
   a) HVAC conversion into HVDC
2. III-I – 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-I – 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

1

DESPATCHAR
J.N.T.U.H.
...katpally, 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.

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
ngalpally (V), Ibrahimpatnam (M),
Ranga Reddy District-501 510. A.P

2

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: bjetadmn@gmail.com.

Dated :26-07-2016

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 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 fruit 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

DESPATCHAR
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

Mangalpally (Village), Ibrahimpatnam (Mandal), RangaReddy District-501510.
Ph: 958414-252313/399, FAX-958414-252648 Email: bietadmn@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 introdu ing the above mentioned technologies as part of JNTUH curriculum.

Thanking you Sir,
Yours faithfully

HOD, EEE,
BIET

Institute of Engineering & Technol.,
igslpally (V), ibrahimpatnam (M),
nga 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: bitadmn@gmail.com.

Dated : 22-DE-2015

:7120/2

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 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

DESPATCHAR
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

Mangalpally (Village), Ibrahimpatnam (Mandal), RangaReddy District-501510.
Ph: 958414-252313/399, FAX-958414-252648   Email: biotadmn@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-501 510. A.P

2

Dated : 03-07-2014.

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 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) Enterpreneurship skills
   III-II - EM (Electrical)Measurements

1

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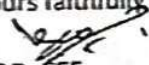
Mangalpally (Village), Ibrahimpatnam (Mandal), RangaReddy District-501510.
Ph: 958414-252313/399, FAX-958414-252648   Email: bietadmn@gmail.com.

- 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 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 Institue of Engineering & Technology
Mangalpally (V), Ibrahimpatnam (M),
Range Reddy Distrit-501 510. A.P

2

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 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	Unconventional Machining Process	Advances in Unconventional Machining Process.	4/1	GATE/IES	
2	Metrology & Machine tools	Advance Manufacturing Processes	3/1	Industry requirement/IES	
3	Manufacturing Process	Advanced NDT Techniques	2/2	Industry	
4	CAD/CAM	Metal Rapid Prototyping.	4/1	Industry	

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

Thanking You

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

61

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

1663/,

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/ES	
3	Metrology & Machine tools	Quality Engineering in Production, Advances in metrology in Aerospace manufacturing.	3/1	Industry	

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

Thanking You

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

1614/,

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 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.

SLNo	Course	Gaps in the syllabus	Year/sem	Application	Remarks
1	CAD/CAM	Advances in C N C Machines and Machining Centres	4/1	Industry	
2	Machine design	Design of Press Tools	3/2	IES	
3	RES	Advances in Renewable Energy	4/2	Industry	.

A kind consideration for inclusion of the above gaps in the curriculum to 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

1515/

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

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

REGISTRAR J.N.T. UNIVERSITY
Date.20/6/16
HYDERABAD-500 005

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

1016/,

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 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.

SLNo	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	
3	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

PRINCIPAL
BIET

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 #	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
		Total Credits	17	0	11	24

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
		Total Credits	9	0	30	24

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

Principal
Bharat Institute of Engg. a
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
		Total Credits	17	0	11	24

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
		Total Credits	9	0	30	24

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
CS722PE	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. an
Mangalpally(V), Ibrahim
Ranga Reddy (Dist)-Telangana-5