

2017-18

FEEDBACK ON CURRICULUM

NARAYANA ENGINEERING COLLEGE :: GUDUR
Dhurjati Nagar, Gudur – 524 101, SPSR Nellore Dt., A.P, India.

FEEDBACK ON B.TECH - R15 CURRICULUM

The feedback given by various stakeholders on B. Tech R15 curriculum (AY – 2017-18 – 1st Semester) is given below department wise:

ELECTRONICS AND COMMUNICATION ENGINEERING:

Feedback from Student

II Year:

- Basic simulation lab requires MATLAB concepts which is to be included in the signals and systems subjects or else MATLAB Programming subject to be included in the same semester.
- Electrical Technology and Basic Simulation lab Should be separated
- Moore and mealy sequential circuits to be included in Switching Theory Logic Design subject

III Year:

- MEMS and Micro systems subject should be included in the curriculum after Electronic measurements and instrumentation
- Computer organization subject should be included after microprocessor and micro controllers subject
- M-array signaling systems experiments such as QPSK and QAM to be included in Digital communication systems lab

Feedback from Teachers:

II Year:

- The syllabus content of Mathematics –III is not well suitable for ECE Students.
- Since Engineering is practical and applications oriented course, It is better to include In-plant/Internship program between III year II sem and IV year II sem.

- Logic family concept to be included either in Switching Theory and Logic Design (STLD) or in Digital System Design subject.
- Since Environment Science subject is very useful in creating awareness on global warming, so it is suggested to include in the curriculum.

III Year:

- Uneven Distribution of Syllabus in Digital Signal Processing subject because both FIR & IIR filter design is included in unit –IV.
- Pulse and Digital Circuits subject to included otherwise important fundamental topics of PDC to be included in any other subject like Linear IC Application Subject.
- Since any communication systems contains three basic sections i.e Transmitter, Channel and Receiver, Transmitter section to be included in the Analog Communication System subject.

Feedback from Parents:

- Include different technology courses
- Self learning courses needed.
- Include syllabus, based on eco- friendly technologies

Feedback from Alumni:

- More no of programming languages to be included
- Synthesis, simulate and floor planning of IC technology
- Integrated unit based syllabus to be included
- More no of computer related subjects to be included

COMPUTER SCIENCE AND ENGINEERING

Feedback from Students

II Year:

- Introduce industry relevant subjects
- In CO subject syllabus is vast.

III year:

- In **OOAD & ST Lab (15A05509)** present in III Year I Semester, it is good if there are separate labs for OOAD and ST courses.
- Necessary to introduce python language in third semester
- More Practical subjects are to be introduced.

Feedback from Teachers

II year:

- Formal Language and Automata theory syllabus is vast.
- Case studies may be included for courses like **Introduction to Big Data (15A05506)** and **Data Base Management Systems (15A05301)** for clear understandability of the concepts.
- For subject like BEEE more practical hours are required.
- More number of applications are required to understand DBMS.
- Case studies and assignments in each unit may be given some weightage (credits) in the syllabus in DLD.

III year:

- In **Operating System (15A05501)** course present in III Year I Semester, syllabus is very vast in first two units and tough to deal with in stipulated time. Hence, it is requested to reduce the contents based on possibility. Lab programs may be upgraded.
- In **Computer Networks (15A05502)** course present in III Year I Semester, syllabus is very vast and tough. CN Lab should be included in the same semester. More real time problems in lab should be included with Routing Algorithms and Error Detection & Correction
- In **OOAD & ST Lab (15A05509)** present in III Year I Semester, it is good if there are separate labs for OOAD and ST courses.
- Required to include Industry used s/w tools for Software Testing Lab.

Feedback from Alumni

- Internships and industrial visits must be part of the curriculum
- The elective courses in the emerging field in the computer science should be introduced.
- The objectives which are included in the syllabus do not meet the exposure of the real world.
- Soft skills and aptitude training for jobs must be part of the syllabus.

Feedback from Parents

- Curriculum should be more relevant to present needs of the industry
- Introduce new technologies based on job oriented
- More practical sessions are required
- Soft skills and aptitude training for jobs must be part of the syllabus.
- Internships and industrial visits should be part of curriculum.

MECHANICAL ENGINEERING

Feedback from Students

II year:

- There is no sequence in the courses in Engineering Mechanics and Mechanics of solids.
- Prescribe the Text books which will cover total syllabus.

III Year

- Reduce the unit-I syllabus in Dynamics of machinery.
- Introduce the Dynamics of Machinery laboratory for better understanding the subjects.
- Include the additional experiments related to latest technologies.
- Introduce the GATE oriented syllabus

Feedback from Faculty:

II year

- Engineering mechanics and Mechanics of solids are connected subjects hence the study of two subjects are not preferable in same semester.
- The design of crane hooks and simple beam sections are repeated in Mechanics of Solids and Design of Machine Members – I & II. It can be deleted from one of the subjects.

III Year

- Introduce the kinematics and dynamics of machinery lab related to concerned subjects (KOM, DOM).
- Introduce weightage for Industrial review report in any of the semester III Year like technical seminar.
- Introduce the design of IC engine external parts (Valve Mechanism, Gear Box) in Design of Machine Members.
- Introduce the cooling towers in Thermal Engineering-II (If the student does not choose the Power Plant Engineering).

Feedback from Parents:

- Job related technology subjects to be included.
- Include syllabus based and eco friendly technologies.
- Equal distribution of syllabus in each semester.

Feedback from Alumni:

- Introduce the industrial related experiments in laboratories.
- The engineering mechanics and Mechanics of solids are in same semester and is difficult.
- Introduce the internships, industrial visits by giving some credits.
- Initiate latest design software courses in the curriculum.
- In curriculum industrial visits is to be compulsory to related subjects.
- Introduce the latest advance technology subjects in manufacturing.
- Introduce Industry oriented software tools for Computer Aided Engineering Lab.

ELECTRICAL AND ELECTRONICS ENGINEERING

Feedback from Students

II Year:

- Include some advanced technologies in syllabus.
- Need more advanced experiments in labs.

III year:

- It will be good if one more subject based on Electrical distribution is added.
- Introduce the internships, industrial visits by giving credits.
- Introduce mini project in III year II semester.

Feedback from Teachers

II year:

- In Electrical Circuits – II (15A02301) Unit-4 filter design is very lengthy.

III year:

- Add topics such as Excitation systems of synchronous machines, Concept of electrical & mechanical degrees, Power flow through inductive impedance and reactive power and Synchronous motor circle diagrams to Electrical Machines-III(15A02504) Course.
- It is better to add Digital meters in unit-5 of Electrical Measurements (15A02501) subject.

- In Power Electronics and Simulation Laboratory (15A02607) out of First given 10 experiments 8 experiments can be done on Hardware but the remaining experiments are simulation experiments. As it is mentioned in the Laboratory name SIMULATION. So, it is requested to revise the syllabus and provide couple of simulation based experiments either in MATLAB/PSICE.

Feedback from Alumni

- Internships and industrial visits must be part of the curriculum
- Add few software related subjects under various categories such as tools/applications/programming languages etc.,
- Make it compulsory to do internships in reputed organizations.
- Introduce integrated courses (5 years) UP+PG.

Feedback from Parents

- Field trips are necessary for increasing exposure and relate it to the subjects they are learning.
- Curriculum must have audited soft skills course in final year also,
- It is recommended to add courses related to pumps and prime movers (FMHM)
- Introduce industrial training/internship/mini projects.

CIVIL ENGINEERING

Feedback from Students

II year

- More practical related topics to be included
- Building Planning and Drawing should be included in II year II semester

III Year

- Internships should be in curriculum
- Mini projects should be in curriculum with suitable credits.

Feedback from Faculty

II Year:

- Fluid Mechanics is vast to deal in semester tenure.
- Auto cad lab for drawing of building plans in II-II semester will greatly benefit to students in view of employability.
- BPD should be included in curriculum.
- Assignments with weightage of internal marks can be introduced in the curriculum.

III year

- For Design subjects more hours are required.
- More number of case studies & practical applications to be included

Feedback from Parents

- Job related topics to be included
- Include syllabus based and ecofriendly technologies
- More no. of practical related topics to be included
- More no of field projects and laboratory subjects to be included
- Equal distribution of syllabus in each semester for subject is required.

Feedback from Alumni

- Field trips shall be planned related to curriculum in every semester.
- Mandatory internship program with suitable credits can be incorporated in the curriculum such that to enhance the practical knowledge and employability skills.
- Students should be given opportunity to involve in carrying out consultancy works conducted by department with suitable credits.

First Year

Student feedback on curriculum

- Good book to be included for Thomas Calculus. It is useful for Multiple integrals
- The Syllabus of Vector calculus is not useful.
- Some more applications must be added in Unit- I i.e first order first degree differential equations in Mathematics –I.

Faculty Feedback on Curriculum:

- Introduce the Engineering & IT Workshop for Circuit branches in first semester and for Non-Circuit branches in second semester.
- Introduce the Involute and helices in first unit of Engineering drawing which is helpful for gear and springs design.
- General methods on conic sections is only mentioned in the Engineering drawing subject syllabus but questions are being given on special methods also in the university examinations.
- Based on future computing Mathematics the new syllabus is to be added to the present curriculum.
- In engineering chemistry more applications must be included in softening of water, Moulding process in plastics in polymers, Different types of Batteries in Electrochemistry.
- Moderated language competence to be added in the next curriculum

- Writing practices on grammar can be improved with undergraduate level efficiencies
- Reading based context is to be extended with submitting of individual work on technical issues.
- First year syllabus should be one year course

Feedback from Employers:

Employer feedback has been taken in central level from the Companies that have visited our campus. The feedback on curriculum is requested from these companies. The feedback given is summarized below:

- Certain domain specialization courses had to be conducted by the university.
- Basic Engineering fundamentals can be taken much care.
- It was suggested to introduce training for placement can be given to the students from the third year onwards as a part of curriculum.
- Final year projects can be carried out with Industry tie -ups
- Companies suggested to include the following courses in

Computer Sciences & Engineering:

- Hadoop
- .Net technology
- IOT

Electrical and Electronics Engineering:

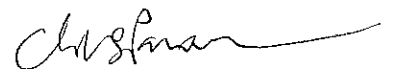
- Electric Vehicles(EV)
- Energy storage systems
- Electroplating.

Mechanical Engineering:

- Reverse Engineering
- 3-D Printing

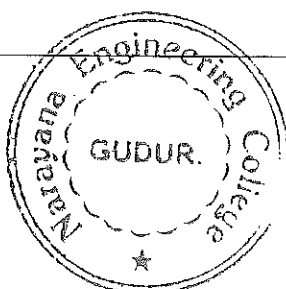
Civil Engineering:

- Experiments on Total station to be improved according to the industry requirements.
- Autocad software has to be included in the curriculum.
- Primavera software to be included in the curriculum.
- Estimating and costing syllabus has to be improved.
- Design software's have to be included in the curriculum.



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Feedback On M.Tech, MCA and MBA for R17 CURRICULUM

The feedback has been collected on M.Tech curriculum from various stake holders for Regulation R17 for I Year – I Semester M.Tech, MBA and MCA.

M.Tech (Power Electronics) :

Feedback from Students

- Curriculum was relevant to applicability of real life situations.
- It is requested to add some practical courses in the curriculum namely Electronic Design Automation & Programmable Logic Controller (PLC) etc.

Feedback from faculty

- Include topics like dynamic stability analysis of drives, motor load characteristics and digital drive system in Advanced Power Semiconductor Devices (17D54101) .
- Applications of Power Electronics to Power Systems (17D54103) course syllabus is seems to be moderate, but replace some topics by new technologies.

Feedback from Alumni

- Outsider experts should address on current industrial difficulties and typical research areas will create interest and ideas.
- Curriculum must create an interest to pursue Research in the particular area in future.

Feedback from Parents:

- Introduce field trips as a part of curriculum.

M.Tech(DECS) :

Feedback from Students

- Two dimensional transform techniques to be included in Transform Techniques(TT) Subject
- Microprogramming design methods and modeling with hardware languages need to be included
- Fading techniques need to be included in Digital Communication Systems (DCT)Subject

- Correlation receiver techniques need to be included in DCT Subject

Feedback from Faculty:

- Basics of STD need to be included in Structural Digital System Design(SDSD) i.e., Multiplexers, De multiplexers, ALU Design etc in Unit 1
- Include CMOS,BICMOS technologies before VT MOS and MT MOS In Low Power VLSI (LPVLSI)Subject
- Error Control Coding(ECC) Contains vast Syllabus and suggested to compress the syllabus
- Reference books does not contain entire syllabus
- Composite FFT algorithms need to be included in Advanced Digital Signal Processing

Feedback from Parents:

- More no of practical and laboratory subjects to be included

Feedback from Alumni:

- Increase more number of computer related subjects.
- Communications skills need to be enhanced.

M.Tech (CS):

Feedback from Students

- Courses related to Machine learning would be required as there was a lot of demand in the industry .
- Suggested to introduce more industry oriented programming languages such as .Net Technologies and Scripting Languages.

Feedback from Faculty:

- Need to include industry oriented programming languages.
- Suggested to include more practical component.

Feedback from Parents:

- Suggested to carryout students project work at industries through internship.
- Include subjects of Latest technologies

Feedback from Alumni

- Communication Skills of students need to be enhanced

- Courses like computer forensics, Engineering systems analysis and design, semantic web, machine learning, big data were needed

MBA:

Feedback from Students

I Year:

- Syllabus should be updated for every two years.
- Current Trends should be updated in the syllabus.
- More subjects which belong to Economy should be added in MBA Curriculum.

Feedback from Faculty:

- For problematic subjects more hours are required.
- Mixing of two subjects should be avoided.
- Clarity should be given for duration of Project Work.
- Ratio to be in Unit-V and funds flow analysis and cash flow analysis to be in unit-IV
- For FAM subject at least 6 hrs in a week must be made mandatory to have some domain depth for students.

Feedback from Parents:

- Technology oriented subjects should be added in the syllabus.
- Job oriented programs should be included in curriculum.

Feedback from Alumni

- Introduce courses on “Business Communication and Presentation Skills”
- Electives should be updated.
- More clarity is required in project work.

Feedback from Employers:

- Students should be motivated to become as Entrepreneurs.

MCA

Feedback from Students

I YEAR

- Include latest technologies in the curriculum like python which will be helpful to fulfill the requirements of the industry.
- Soft skills and communication training can also be part of curriculum in all the years.

Feedback from Teachers

- Continuous addition/updating of current and emerging technologies and advanced courses can be encouraged.
- The sequence of units is missing in some of subjects in I year.

Feedback from Alumni

- New and emerging tools/software's can also be taught as part of curriculum.
- Advanced testing tools can be added in the curriculum.

Feedback from Parents

- Curriculum must be designed based on various sectors in the industry.
- Industry visits and preparing a seminar/presentation on the new technologies visited can add new zeal to the students.
- Curriculum must be designed based on various sectors in the industry.


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FEEDBACK ON R15 CURRICULUM (A.Y 2017-18)

The feedback given by various stakeholders on R15 curriculum for the **second semester** is given below department wise:

ELECTRONICS AND COMMUNICATION ENGINEERING:

Feedback from Students

II Year:

- Control system Engineering (CSE) Subject unit -1 contains Mechanical systems. It is difficult to understand more applications on mechanical systems is required.
- Include DSB-S and SSB-SC experiments in ACS(Analog Communication Systems) Lab
- Need to include MOSFET power amplifier experiments in electronic Circuit Analysis LAB(ECA Lab)
- EMTL Syllabus is Vast. So it is Better to divide it into two parts.

III Year:

- Need to add Advanced topics about FPGA in VLSI Design subject(Very Large Scale Integration Design)
- Need to include 8051 Microcontroller and its programming in unit –III and include Embedded –C Programming Fundamentals before MSP 430 Microcontroller. MSP 430 Microcontroller to be included in unit III and IV
- Un Equal distribution of syllabus in Digital signal processing (DSP) subject because both FIR and IIR filter design is included in Unit -IV

Feedback from Faculty:

II Year:

- In Electronic Circuit analysis(ECA) Unit 1 Syllabus is more and add oscillators in Unit 2 (High frequency response of BJT).

- In the Analog Communication systems (ACS) subject Unit 3 contains less content so it is better to include more topics related to radio receiver measurements.
- Include DSB-SCSSB-SC Lab experiments in the lab syllabus in (ACS) Analog communications systems.
- Since Environment Science subject is very useful in creating awareness on global warming, so it is suggested to include in the curriculum.

III Year:

- In Digital Signal Processing Subject (DSP) Unit-III is having less content and Unit –IV is vast so Combine III and IV units such that FIR realization and design in Unit-III and IIR realization in Unit -IV
- Micro Processor and Micro controller (MP & MC) Unit –I has been started directly with 8086 Processor for better understanding of subject include 8085 processor before 8086 processor.
- Electronic Measurements and Instrumentation (EMI) subject introduced in I Sem in place of II Sem subject.

Feedback from Parents:

- More no of practical and laboratory subjects to be included.
- Internal marks evaluation to be taken best of two exams.
- Include different technology courses.

Feedback from Alumni:

- More no of computer related subjects to be included
- Financial account analysis to be included in IV B.Tech ECE .
- FPGA and CPLD based syllabus to be included in the curriculum.
- R and D sessions, Workshops are required.

COMPUTER SCIENCE AND ENGINEERING

Feedback from Students

II Year:

- Case studies to be included as a part in Software Engineering subject.
- Include basic concepts about C++ in java subject.
- Practical sessions on software engineering concept are essential.
- Syllabus is a very vast in MPI subject.
- Include industry related experiments in java lab.

- Advanced Java concepts to be included in Java subject.
- Workshops to be included as a part of curriculum to understand the subjects.
- Internships are to be included as a part of curriculum.
- To add the latest technologies like Python in the curriculum.

III Year:

- Strong foundation of Unix was required
- Problem solving and programming skills need to be strengthened to enhance the programming skills of the students which improves employability skills

Feedback from Faculty:

II year:

- Formal Language and Automata theory syllabus is vast.
- Practical sessions are needed in order to connect well with course material in Software Engineering.

III Year

- Most of the students opinion is to include new courses like Machine language, information retrieval systems in the third year as they were the current trends in the industry.
- Subjects like distributed systems and semantic web can be introduced.

Feedback from Alumni

- Students should be made aware of the current technologies
- Grooming with respect to personality development is needed
- Students need to concentrate on gaining technical knowledge
- Slow learners to be provided with extra classes for better understanding

Feedback from Parents

- Need to conduct more Extra Curricular activities
- Curriculum should be more relevant to present needs of the industry
- More practical sessions are required
- Training on Communication skills must be part of the syllabus.

MECHANICAL ENGINEERING

Feedback from Students

II year:

- In Manufacturing Technology Syllabus Unit-I is very vast as it includes more topics, hence it is advisable to remove some topics
- In Manufacturing Technology Lab Syllabus include forge welding, Thermal welding Experiments
- Introduce the kinematics of machinery lab related to concerned subjects (KOM)

III Year

- In operation research syllabus Unit-II optimal testing includes Modi method and Stepping stone method, these two methods takes more steps to solve. Hence it is advisable to remove stepping stone method.
- In Operation research unit-IV syllabus is very vast, hence if possible reduce some of the topics as it consumes more time to cover and to understand at student level.

Feedback from Faculty:

II year

- In Machine Drawing Subject replace Steam stop valve and non-return valves with foot step bearing and journal bearing in Assembly drawing section.

III year:

- Introduce the cooling towers in Thermal Engineering-II (If the student does not chose the Power Plant Engineering it is helpful to study in thermal engineering –II).
- In Metal Forming Process Subject in exam point of view if problems were given, there is no proper formulae and problems in the prescribed text book.

Feedback from Parents:

- Introduce the internships, industrial visits by giving some weight age.
- The curriculum fulfilling is average because in actual industries using latest advance technologies so our lab experiments are not satisfied to above technology.

Feedback from Alumni:

- Introduce the internships, industrial visits by giving some credits.
- Job related latest technology subjects to be included.

ELECTRICAL AND ELECTRONICS ENGINEERING

Feedback from Students

II Year:

- It is better to include 6 months industrial training, so that it is very helpful to gain practical knowledge about subjects

III year:

- Need new text Books in curriculum.
- Include industrial visits and field trips in curriculum and change syllabus as per present trend, example “magnetic core design software”.

Feedback from Faculty

II year:

- In Electrical Machines – II (15A02401), if possible reduce the number of topics in each unit.
- In Electrical Power Generating Systems (15A02402), Unit-IV topics (Bio gas generation, Tidal wave, Geothermal) all are become heavy to have in one unit, it's better to shift one of the topics to other units.

III year:

- In Power Semiconductor Devices (15A02601) Concepts in unit-1 are more. And in addition to basic converters, if new converters topologies used in industries are added then it will be useful for core jobs/Higher education.
- Include new control strategies in Power System protection (15A02602).
- If possible try to split Power System Analysis (15A02603) in to two subjects. So that student can easily understand and analyze everything as it is most important to electrical engineering.

Feedback from Alumni

- Internships and industrial visits must be part of the curriculum.
- The objectives which are included in the syllabus do not meet the exposure of the real world.
- The subjects in the curriculum are not perfectly suitable to meet the requirements of Industry.
- Soft skills and aptitude training for jobs must be part of the syllabus.

Feedback from Parents

- Curriculum should be more relevant to present needs of the industry
- Introduce new technologies based on job oriented
- More practical sessions and experiments are required
- Soft skills and aptitude training for jobs must be part of the syllabus.
- Internships and industrial visits should be part of curriculum.

CIVIL ENGINEERING

Feedback from Students

II Year

- Hydraulics and hydraulic machinery syllabus is vast which should not be covered during semester

III Year

- Concrete Technology should be in III year I semester for easy understanding for DDRCS
- Building Planning and Drawing should be included in II year II semester
- Mini projects should be in curriculum with suitable credits.
- Auto cad lab should be in III year II Semester followed by STADD PRO lab in IV-I semester

Feedback from Faculty

II Year

- Objective of Structural Analysis-I is not clearly described in curriculum.
- More lecture hours are required for Structural Analysis-I
- Instead of both analysis of Beams and Frames, only Beam analysis can be incorporated without frames in Structural Analysis-I

III Year

- In Concrete Technology I & II units are vast in portion if possible reduce the content
- Water Resources Engineering-I syllabus should be reduced.
- In Disaster Management and Mitigation include mitigation measurements for all hazards and disasters.

Feedback from Parents

- Job related topics to be included
- Include syllabus based and ecofriendly technologies
- More no. of practical related topics to be included
- Self-learning motivation is needed
- Equal distribution of syllabus in each semester and subject

Feedback from Alumni

- Field trips shall be planned related to curriculum in every semester.
- Mandatory internship program with suitable credits can be incorporated in the curriculum such that to enhance the practical knowledge and employability skills.
- Students should be given opportunity to involve in carrying out consultancy works conducted by department with suitable credits.
- First year syllabus should be one year course.

First Year

Student feedback on curriculum

- Irrelevant topics in lasers, Optics & Fibre optics must be reduce in Engineering Physics
- Reducing the syllabus in Engineering Drawing subject by giving more importance for practical's
- Environmental studies syllabus is vast. Unwanted information in natural resources & pollution is more, so that may be reduced.
- Theory part is more difficult to follow in Network analysis
- Easy and difficult topics must be balanced for the good understanding in Data Structures..

Feedback from Faculty:

- In Laplace Transform in Mathematics II include ODE related applications.
- Add more applications related to Fourier-Series in Mathematics II
- In lasers some topics are not advisable for students in Engineering Physics
- Include explosives & Nanomaterials in engineering materials.

- All practical's are water related in engineering chemistry, experiments should be changed
- Need to split the Total syllabus of Engineering Drawing in two semesters.
- Reduce topics in Environmental pollution
- Student feels Network analysis subject is difficult.
- Filters topic is vast, so remove irrelevant topics.
- Syllabus is good in Material Science and Engineering but student can't be understand in first year.

Feedback from parents:

- Introduced more practical oriented topics.
- Introduce soft skills as a part of the syllabus.

Feedback from Employers:

Employer feedback has been taken in central level from the Companies that have visited our campus. The feedback on curriculum is requested from these companies. The feedback given is summarized below:

- Suggested to introduce more industry oriented courses such as Big Data, High Performance Computing and Mobile Application Development.
- Suggested to carryout students project work at industries through internship.
- Suggested to include more practical component.
- Recommended to encourage students towards online and blended learning on Emerging areas of Computer Science.
- Suggested to introduce more industry oriented programming languages such as .Net Technologies and Scripting Languages.
- Recommended to include open source tools in English Language Communication Skills related laboratory courses.

Feedback from M.Tech, MBA and MCA Programs

The feedback has been collected on M.Tech curriculum from various stake holders for Regulation R17 for I Year – II Semester M.Tech, MBA and MCA.

M.Tech (Power Electronics)

Feedback from Students

- The syllabus framed by the JNTUA was adequate for R17 regulation compared to previous R09.
- Curriculum was relevant and applicable to real time.
- The depth and extent of coverage of each course contents in II-semester is good.

- It is requested to add some practical courses in the curriculum namely Electrical Computer Aided Design (ECAD), Electronic Design Automation & Programmable Logic Controller (PLC).
- The internal evaluation system for this regulation is good compare to R09.

Feedback from faculty

- In Advanced Power Converters (17D54201) course, it is suggested to include “Grid Interface Renewable Energy resource”. Chapter-1 & 2 topics are vast and in 2nd chapter suggested to include “Digital Control of Power Converters”.
- Power Quality (17D49202) course is well framed but it is a required to include “Electromagnetic Interface and Distributed Generation PQ issues”.
- In Renewable Energy Conversion Systems (17D54203) course, it is suggested to add numerical problems which meet present market scenario.

Feedback from Alumni

- Curriculum must create an interest to pursue Research in the particular area in future.
- The syllabus was updated enough.
- Special Training Classes for bridging Industry and academic gap.
- Laboratory training meets the industrial needs only 40-50%.

Feedback from Parents:

- Include some more practical subjects in the curriculum.

M.Tech(DECS):

Feedback from Students

- Advanced and hybrid color image processing techniques to be included in Digital image and Video processing subject
- Image recognition and its techniques to be included in DI & VP subject
- The real time applications of optical cables such as telecommunication applications
- Include optical networks ,cable TV, Photonics simulation tools in Optical communication Technology subject(OFT).

Feedback from Faculty

- Include optical networks ,cable TV, Photonics simulation tools in Optical communication Technology subject(OFT)
- Include access networks like HFC, HTTC etc.
- Include applications of Embedded system like PDA, Water monitoring system, telephone PBX, Ink jet printers in Embedded system design
- Include video coding standards and video compression techniques in Digital Image and Video processing subject(DI & VP)

Feedback from Parents:

- More no of practical and laboratory subjects to be included
- Include different technology course.

Feedback from Alumni:

- More no of computer related subjects to be included.
- FPGA and CPLD based syllabus to be included in the curriculum.

M.Tech (CS):

Feedback from Students

- Course such as soft computing would help to enhance the knowledge related to optimization techniques.
- Courses related to Image Processing would be required as there was a lot of demand in the industry .

Feedback from Faculty:

- Mining of Spatial data, web can be included in Data Warehousing and Data Mining course
- Concepts related to graphics can be introduced as a course

Feedback from Parents:

- Job oriented courses must be included.
- Include subjects of Latest technologies

Feedback from Alumni

- Data structures and Database Management Systems lab can be strengthened
- More courses like Soft Computing and Cognitive networks can be introduced

MBA:

Feedback from Students

I Year:

- 50 % of the subjects to be common to all the students in the second year.
- Syllabus should be updated for every two years.
- Current Trends should be updated for every four years.

- More subjects which belong to Economics should be added in MBA Curriculum.
- JNTU must take proper steps to follow academic schedule in a strict manner.
- Pattern of Questions in Exams should be changed.

Feedback from Faculty:

- More contact hours should be required for problematic subjects.
- Mixing of two subjects should be avoided.
- More subjects should be added in fourth semester.
- Contents of Macro Economics should be added in the syllabus.
- Clarity should be given for duration and time of Project Work.

Feedback from Parents:

- Technical subjects should be added in the syllabus.
- Skill and Job oriented programs should be included in curriculum.
- More clarity is required in project work.

Feedback from Alumni

- Latest Acts should be added in the syllabus.
- Electives should be updated.
- Technical subjects should be added in the syllabus.
- Job oriented programs should be included in curriculum.
- More clarity is required in project work.

Feedback from Employers:

- Moral values and ethics should be taught to the students.
- Students should be motivated to become as Entrepreneurs.
- Student's knowledge should be updated by faculty regularly.

MCA

Feedback from Students

I-YEAR

- As possible as, reduce non-branch related subjects which does not helpful to fulfill the requirements of the industry.
- Industry interaction and extra learning should be given as part of curriculum from II year itself.
- Soft skills and communication training can also be part of curriculum in all the years.

Feedback from Faculty

- Continuous addition/updating of current and emerging technologies and advanced courses can be encouraged.

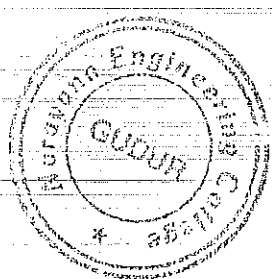
- The syllabus given in the course does not actually represent the course objectives and outcomes.
- Industry internships/field projects can also be part of II year curriculum but for a small duration.
- In core subjects, theory and its application to real-world is suggested for a better learning and understanding by the students.

Feedback from Alumni

- New and emerging tools/software's can also be taught as part of curriculum.
- Industry related practical courses can also be included as part of curriculum.
- The objectives which are included in the syllabus do not meet the exposure to real world and their applications.
- More case studies can be an added advantage to learn the adverse applications related to software or a tool.
- Advanced testing tools can be added in the curriculum.

Feedback from Parents

- More practical approach and self-learning can be encouraged.
- Relating concepts to the real world application problems is betterment in extra learning of the subject.
- Curriculum must be designed based on various sectors in the industry.



Ch. Suman

PRINCIPAL

Principal

Narayana Engineering College
GUDUR, NELLORE DT.