2016-17

FEEDBACK ON CURRICULUM

NARAYANA ENGINEERING COLLEGE :: GUDUR

Dhurjati Nagar, Gudur – 524 101, SPSR Nellore Dt., A.P, India.

FEEDBACK ON R15 CURRICULUM IN ODD SEMESTER(2016-17):

The feedback given by various stakeholders on R15 curriculum is given below department wise:

ELECTRONICS AND COMMUNICATION ENGINEERING:

Feedback from Students

II Year:

- In the subject Mathematics-III syllabus is heavy.
- Electronic Devices and Circuits (15A04301), more topics regarding FET can be placed in the curriculum.

Feedback from Teachers

II Year:

- The syllabus content of Mathematics –III is not well suitable for ECE Students.
- 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.

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

- Syllabus is vast in Digital Logic Design (15A04306) subject.
- PL/SQL topics need to be covered in Database Management Systems (15A05301) subject.

Feedback from Teachers

II Year

- Syllabus is too heavy and load needs to be reduced in the subject Basic Electrical and Electronics Engineering (15A99301).
- The subject Object Oriented Analysis and Design (15A05503 of III year) could be introduced before Software Engineering (15A05401 of II Year) so that the Software Engineering (15A05401) course could be better understood by the students.

Feedback from Parents

- Curriculum should be more relevant to present needs of the industry
- 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.

Feedback from Alumni

- Internships and industrial visits must be part of the curriculum
- Arrange guest lectures in BEEE.
- The elective courses in the emerging field in the computer science should be introduced.

MECHANICAL ENGINEERING

Feedback from Students

II Year

- There is no sequence in the courses in Engineering Mechanics and Mechanics of solids.
- Introduce the Kinematics of Machinery laboratory for better understanding the subjects.
- Introduce the Research oriented experiments in laboratories.

Feedback from Teachers:

II Year

- Engineering mechanics and Mechanics of solids are connected subjects hence the study of two subjects are not preferable in same semester.

- Introduce the advance technologies like, Compression ignition system in petrol engines and solar trees in related subjects.

Feedback from Parents

- Syllabus should be more precise and clear to understand.
- Job related latest technology subjects to be included.
- Focus on interactive teaching learning methods for easy understands.

Feedback from Alumni

- Frame courses related to job oriented.
- Include courses in final year somewhat relevant to our job needs and for future aspirations.
- Introduce the industrial related experiments in our engineering laboratories.

ELECTRICAL AND ELECTRONICS ENGINEERING

Feedback from Students

II Year:

- Include some advanced technologies in syllabus.
- Analysis of feedback amplifier in Electronic Devices and Circuits (15A04301) contains vast portion and it is difficult to understand.
- Introduce Three Phase Analysis in Electrical Circuits – I.

Feedback from Teachers

II year:

- The topic *Electromechanical Conversion Of Double Excited Machines* is difficult to be understood by students in Electrical Machines – I (15A02302) course. So, it is better to introduce the topic in Electrical Machines – III (15A02504) course.

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.

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.,

CIVIL ENGINEERING

Feedback from Students

II Year:

- Syllabus is heavy in Fluids Mechanics (15A01305) subject.
- More practical related topics to be included in Building Materials and Construction (15A01302) subject.

Feedback from Teachers

II Year:

- Building Planning and Drawing subject should be included in semester-I of II year.
- Construction Project Management subject can be included in curriculum as it has more importance and demand in view of students job opportunities.

Feedback from Parents

- Include syllabus based on eco friendly technologies.
- Internal marks evaluation to be taken as best of two exams.

Feedback from Alumni

- Introduce internships, industrial visits by giving some weightage.
- Introduce latest technology in the curriculum.

First Year

Feedback From Students

- 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.
- Need more examples on strings in the syllabus of Computer Programming (15A05101) course.

Feedback from Teachers

- 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.
- Design of syllabus for the subject Computer Programming (15A05101) is recommended to be revised. Topics need to be rearranged and more programs on Unions and Pointers are to be included.

Feedback from Parents

- First year syllabus should be one year course
- Students need to do more practice on logic in computer programming

MASTER OF BUSINESS ADMINISTRATION

Feedback from Students

I Year

- In Financial Accounting for Managers (14E00104) subject, Valuation of Assets topic and Good Will topic should be divided into different units.
- In Marketing Management (14E00103) subject, topics like Product & Brand Management can be included.

II Year

- The subject Financial Institutions, Market & Services (14E00308) is required to be updated in accordance with the new services that have arrived in the market.
- In Management Control System (14E00304), Standard Costing related problems may be included.

Feedback from Teachers

I Year

- In Marketing Management (14E00103) subject, concepts like Online Global Marketing may be included to cover the latest trends.

II Year

- Performance Management topic may be included in Human Resource Planning (14E00306) subject.
- Digital marketing topic may be included in Advertising & Sales Promotion Management (14E00317) subject.

Feedback from Parents

- Syllabus should focus on giving more industrial exposure.
- Analytical and logical reasoning should be given prominence.

Feedback from Alumni

- More of case studies should be included.
- Continuous change is needed in syllabus based on latest technology.

Feedback from Employers

- Practical oriented concepts should be included in all subjects.
- *Total Quality Management* subject may be included in the syllabus.

MASTER OF COMPUTER APPLICATIONS

Feedback from Students

I Year

- The subject Probability and Statistics (9FBS101) is a non-branch subject and the syllabus does not suit Computer Science students.
- The subject Accounting and Financial Management (9FHS103) does not match the Computer Science stream. Revision of the curriculum is recommended.

II Year

- In Database Management Systems Laboratory (9F00306) course, experiment and theory need to be ordered appropriately so that practical classes can be conducted in accordance with the corresponding theory topics.
- Java and Linux Programming Laboratory (9F00307) course can be split into two separate laboratory courses.

III Year

- The subject Software Testing (9F00502) has very old syllabus and there is no practical approach in syllabus to learn advanced testing tools.
- Software Testing and UML Laboratory (9F00507) course can be split into two separate courses.

Feedback from Teachers

I Year

- The subject Probability and Statistics (9FBS101) is a subject that is not related to the branch. It would be better to revise it in the curriculum.
- The subject Accounting and Financial Management (9FHS103) is also predominantly not related to the branch. It would be better to revise it in the curriculum.

II Year

- In the subject Database Management Systems (9F00301), the units are not properly sequenced.
- The subject Linux Programming (9F00303) is a little heavy in syllabus. So it can be considered for revision.

III Year

- The electives are completely old subjects.
- The subject Software Testing has old syllabus and is recommended to be updated with latest testing tools and methodologies.

Feedback from Parents

- Reduce non-branch related subjects if possible, since it does not help to fulfill the requirements of the industry.
- Curriculum must be designed based on various sectors in the industry.

Feedback from Alumni

- Case studies need to be included wherever appropriate in all courses.
- Practical courses that are currently in demand in the industry are to be included in the curriculum.

M.Tech (Power Electronics)

Feedback from Students

- The course content should be implemented with microprocessor based PLC control systems
- Include programming practice of 8051,8086 simulators.

Feedback from Teachers

- In 8051 and 8086 simulators programming must be included.

Feedback from Parents

- Need to give more practical exposure
- Job oriented training must be given.

Feedback from Alumni

- Latest technology courses must be included in the curriculum

M.Tech(DECS)

Feedback from students

- Include advanced topics DRAM.
- Include low voltage low power multiplier topics.
- Include low power design approaches like VT CMOS CKTS, MT CMOS CKTS.
- Include fundamentals of low power, circuit design, sources of power dissipation.

Feedback from Teachers

- Include MSP 430 processor architecture, addressing modes of MSP430.
- Include embedded electronic systems & micro controllers like ISA architecture mode, Internal processor design, Processor performance, Memory organization.

Feedback from Parents

- Syllabus should focus on giving more industrial exposure.

Feedback from Alumni

- Case studies should be included.
- Industry exposure must be given.

M.Tech(Computer Science)

Feedback from students

- Syllabus must be changed as it is very old.
- Include Job oriented software tools

Feedback from Teachers

- As syllabus is R09 it must be changed.

Feedback from Parents

- Need Industry exposure
- More sessions for labs must be given.

Feedback from Alumni

- Addition of Hadoop like subjects is required in curriculum.
- Workshops on Bigdata analytics using R tool should be conducted.

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:

- Industry interaction activities have to be included in the curriculum.
- It is better to introduce communication skills and personality development programs in the curriculum right from second year onwards.
- Curriculum is to incorporate communication skills development of the students.
- Some domain specialization courses had to be conducted by the university.
- 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

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FEEDBACK ON R15 CURRICULUM IN EVEN SEMESTER(2016-17):

The feedback given by various stakeholders on R15 curriculum is given below department wise:

COMPUTER SCIENCE AND ENGINEERING

Feedback from students

II Year:

- **Microprocessors and Interfacing** course is hard to understand and its presence may be postponed to III Year.
- Need Lab for Formal Languages and Automata Theory (15A05404) subject.

Feedback from Teachers

II year:

- **Formal Language and Automata Theory** course may contain problems with more examples.
- With respect to Microprocessors & Interfacing (15A04407) subject, it would be useful to add designing of IoT applications in the curriculum.
- Before JAVA Course it is required to include the introductory object oriented language such as C++ in the curriculum.
- Laboratory for **Software Engineering** subject may be introduced.

Feedback from Alumni

- Internships and industrial visits must be part of the curriculum and they should be give some weight-age in overall aggregate.
- The elective courses in the emerging field in the computer science should be introduced.
- The courses in the curriculum are to be prepared as per the requirements of Industry.
- Soft skills and aptitude training is to make as part of the curriculum.
- Due importance should be given to Human Values and Ethics related courses in curriculum.

Feedback from Parents

- The Curriculum should be updated regularly to meet current industry requirements.
- 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.
- Curriculum should be designed by constituting a committee contains senior subject experts and industry people.

ELECTRONICS AND COMMUNICATION ENGINEERING

Feedback from Students

II Year:

- Include DSC-SC and SSB-SC Modulation techniques in Analog communication subject
- Better to split (Electromagnetic Transmission lines)EMTL subject in two parts
- MOSFET related power amplifiers experiments to be included in electronic Circuit Analysis subject
- The Analog Communication systems (ACS)subject Unit 3 contains less content better to include more topics related to radio receiver measurements

Feedback from Teachers

II Year:

- It is better to include In-plant/Internship program between III year II sem and IV year II sem.
- As 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

- University results should be announced before commencement of class
- Include different technology courses
- Self learning motivation is needed
- Include syllabus based and eco friendly technologies

Feedback from Alumni

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

MECHANICAL ENGINEERING

Feedback from Students

II Year:

- Add new types of Mechanisms in Kinematics of Machines subject.
- Introduce latest welding and casting technologies in Manufacturing Technology subject.

Feedback from Teachers

II Year:

- Kinematics of Machines subject is to be updated with latest developments in technology.
- Laboratory course may be added for Kinematics of Machines subject.

Feedback from Parents

- Internship programs may be added to the curriculum with the partnership of the industry. Suitable credits may be added for the same.
- The course structure may be improved with latest technologies adopted in industry.

Feedback from Alumni

- Introduce Industry used software tools for Computer Aided Engineering Lab.
- It would be better, if industry related practical short term courses are introduced in the curriculum.

ELECTRICAL AND ELECTRONICS ENGINEERING

Feedback from Students

II Year:

- Analysis of Poynting Theorem and Poynting Vector and its Significance in Electromagnetic Field subject (15A02403) is difficult and it would be better to minimize it.
- Design of vibrators in Analog Electronic Circuits (15A04409) is difficult and is recommended to be reduced.

Feedback from Teachers

II Year:

- The topics Design and Analysis of Clippers, Clampers and Multi Vibrators of Analog Electronic Circuits course, may be more appropriately introduced in Switching Theory and Logic Design subject.
- The topic Transmission and Wave Propagations is recommended to be introduced in Electromagnetic fields course.

Feedback from Parents

- According to industrial requirements the latest technology courses are to be introduced in the curriculum.
- Verbal and Non-Verbal Reasoning are to be introduced in the curriculum from the second year onwards.

Feedback from Alumni

- It would be nice to have placement related courses to be included in the curriculum from the third year onwards.
- Latest teaching methodologies are to be implemented.

CIVIL ENGINEERING

Feedback from Students

II Year:

- Priority should be given to the practical oriented subjects instead of theory subjects.
- There is no scope for extra learning because syllabus of theory subjects is too heavy.

Feedback from Teachers

II Year:

- Influence Line Diagram concept is to be included in Structural Analysis-1(15A01403) subject.
- More of Thick cylinders Problems are to be included in Strength of Materials-II (15A01401) subject.

Feedback from Parents

- Equal distribution of syllabus is preferred in the subjects of each semester.
- Job related topics are to be included in the curriculum.

Feedback from Alumni

- Curriculum is to be updated with latest technologies.
- Field projects should be included as part of the curriculum.

First Year

Feedback from Students

- All topics of Data structures (15A05201) course are not covered in the given reference text book.
- The topics, One-Dimensional Wave, Heat and Two Dimensional Heat Equations in the syllabus of M-II (15A54201) are difficult to understand.

Feedback from Teachers

- It is recommended to add splay trees in Data structures (15A05201) course.
- It is recommended to introduce applications of Fourier series transforms in the syllabus of M-II (15A54201) course to improve the knowledge of the students.

Feedback from Parents

- More focus is to be laid on training the students to write programs using Data Structures concepts.
- If possible it is recommended to reduce the syllabus of M-II (15A54201).

M.Tech Feedback

The feedback has been collected on M.Tech curriculum from various stakeholders for Regulations R13 for I Year – II Semester M.Tech, MBA and MCA.

M.Tech (Power Electronics)

Feedback from Students

- Include more case studies

Feedback from Teachers

- Curriculum must create an interest to pursue Research in the particular area in future.

Feedback from Alumni

- Special Training Classes for bridging Industry and academic gap.
- Laboratory training meets the industrial needs.

Feedback from Parents:

- Include some more practical subjects in the curriculum.

M.Tech(DECS):

Feedback from Students

- Better to include signal propagation in optical fibers.
- Include advanced topics of transmission system engineering like power penalty in transmissions and receivers, optical amplifiers and also include compensation techniques.

Feedback from Teachers

- Include advanced topics on diffraction and scattering models in wireless communication
- Curriculum is good

Feedback from Parents:

- Syllabus is ok.
- There must be good guidance in practicals

Feedback from Alumni:

- More no of computer related subjects to be included.

M.Tech (Computer Science)

Feedback from Students

- Curriculum was relevant and applicable to real time.
- The depth and extent of coverage of each course contents is not good.

Feedback from Teachers

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

Feedback from Parents

- Job oriented courses must be included.
- Current technologies must be Included.

Feedback from Alumni

- More courses like Soft Computing, Machine intelligence and Cognitive networks can be introduced.

MASTER OF BUSINESS ADMINISTRATION:

Feedback from Students

I Year

- More practical insights are required in Operations Management subject.
- Analytical problems are to be included in Operations Research subject.

II Year

- Team work and Leadership related topics are to be included in Organizational Development (14E00405) subject.
- The topic International Positioning and Branding is to be covered in International Marketing subject.

Feedback from Teachers

I Year

- Practical case studies should be included in the syllabus of Human Resource Management subject.
- Tax related topics are to be included in Managerial Economics subject.

II Year

- International Services related issues are to be included in the syllabus of Services Marketing subject.
- International HR related policies are to be included in the syllabus of Global Human Resource Management subject.

Feedback from Parents

- Inclusion of latest technology related subjects is needed.
- More clarity is required in project work.

Feedback from Alumni

- More of a practical approach must be there.
- Case studies and practical activities are to be included in the curriculum.

MASTER OF COMPUTER APPLICATIONS

Feedback from Students

I Year

- The subject Organization Structure and Personnel Management (9FHS201) is a not a core branch subject and it does not suit the MCA stream.
- The subject Operations Research (9F00205) has very heavy syllabus and the students feel it very tough to comprehend all the methods.

II Year

- The subject Management Information Systems (9F00401) has very old syllabus and lacks practical learning content.
- The subject Information Security (9F00404A) is recommended to be updated with the latest methods of securing data and information.

Feedback from Teachers

I Year

- The subject Computer Organization (9F00203) has heavy syllabus and the topics with electronics background is difficult for comprehension by students.
- Computer Organization Laboratory (9F00207) subject needs electronics background and is not suitable for the objective of the program.

II Year

- Mini-project could be included in the syllabus of the Web Technologies Laboratory (9F00406) course.
- The subject Management Information Systems (9F00401) is recommended to be updated with the latest developments in the subject.

Feedback from Parents

- Internships activities must be included in the curriculum from II year onwards.

Feedback from Alumni

- Soft skills and communication training can also be part of curriculum in all the years.
- Emerging software must be as part of curriculum.
- Advanced testing tools can be added in the curriculum.

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:

- Industry Interaction programs are to be introduced in the curriculum.
- Communication skills development related courses need to be introduced in the curriculum
- 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
- Design softwares has to be included in the curriculum in civil engineering.

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