



S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR.

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

DEPARTMENT OF ELECTRICAL ENGINEERING

Vision: Transform knowledge seekers to globally competent professionals in Electrical Engineering

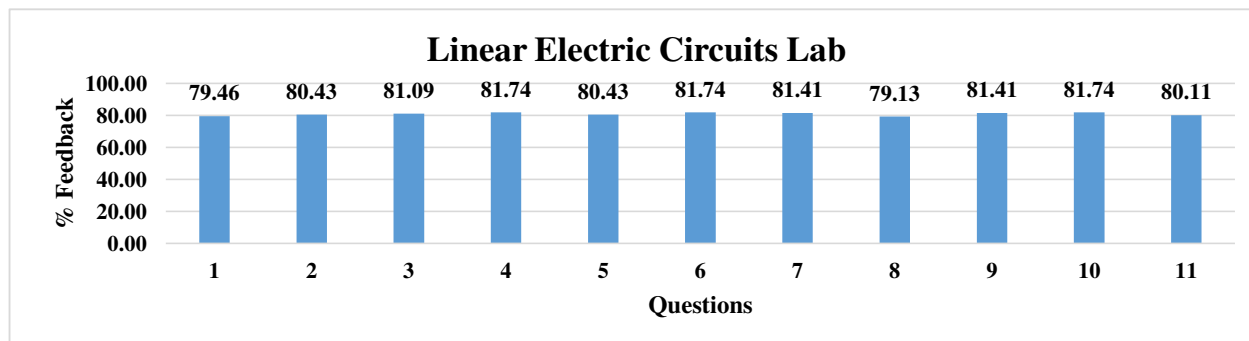
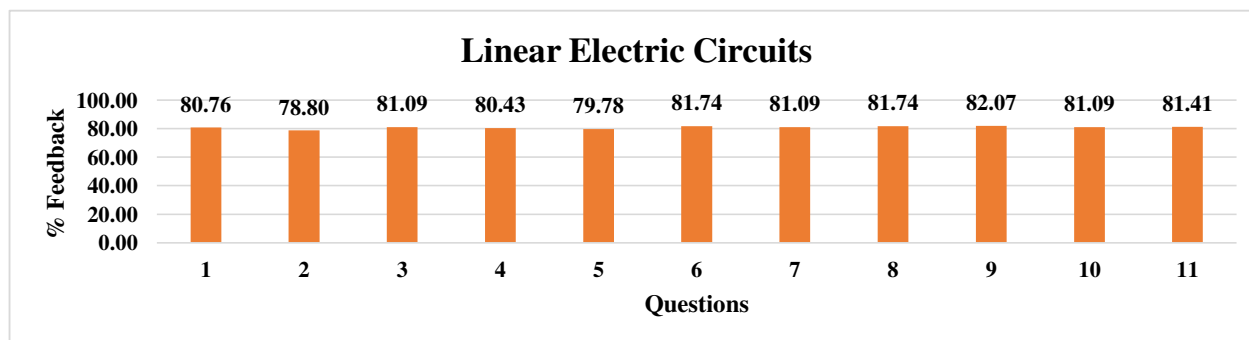
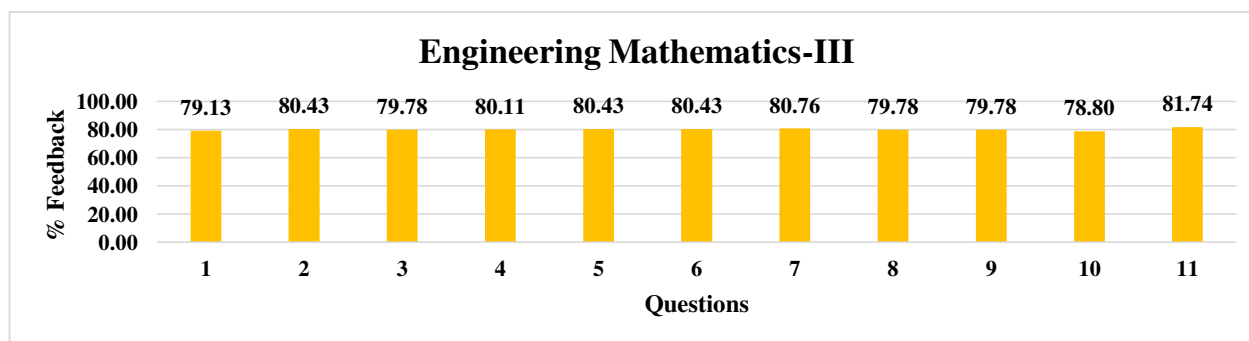


Students Review on Third Semester Syllabus

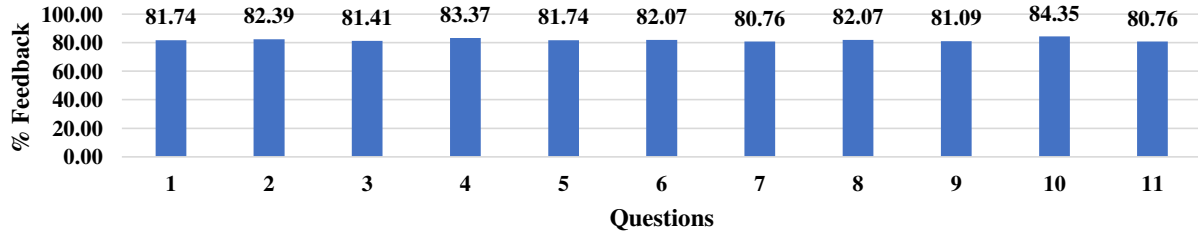
Second Year/Third Semester

Questions asked from students on Review of III Semester Syllabus

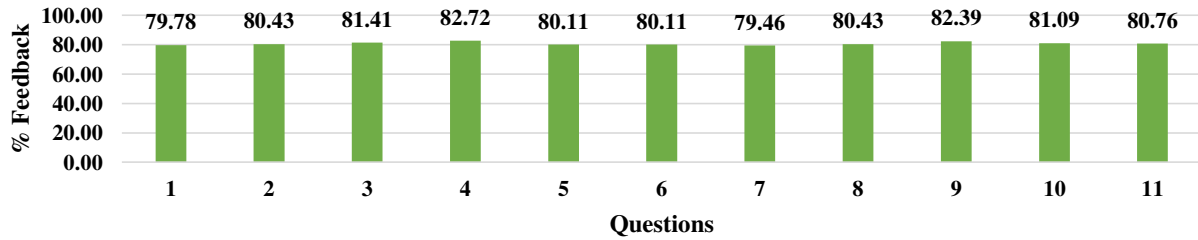
1. The course objectives were clear
2. The course workload was manageable
3. The Course was well organized
4. The syllabus has good balance between theory and application
5. I think the Course was well structured to achieve the learning outcomes (there was a good balance of lectures, tutorials,
6. Learning materials were relevant and useful
7. The provision of learning resources in the library was adequate and appropriate
8. Recommended reading Books etc. were relevant and appropriate
9. Curriculum has prospects for higher education/ employability
10. The syllabus / curriculum has social relevance
11. The Syllabus / Curriculum equip me for suitable placements in the job markets



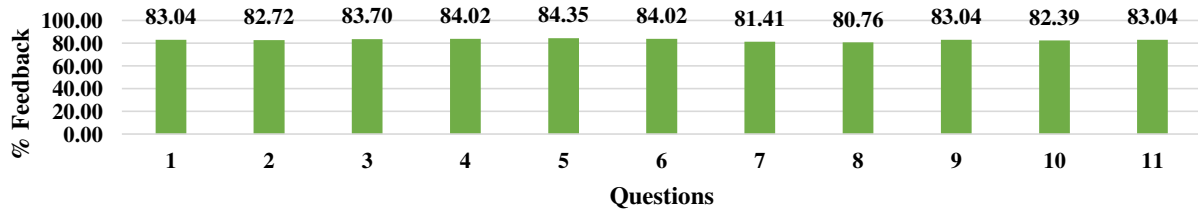
Analog Electronics



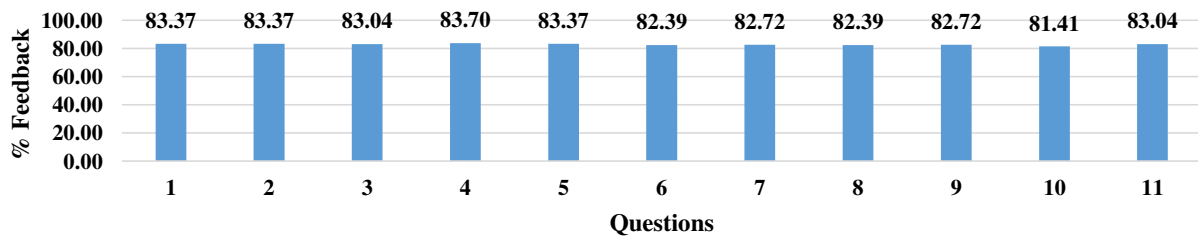
Analog Electronics Lab



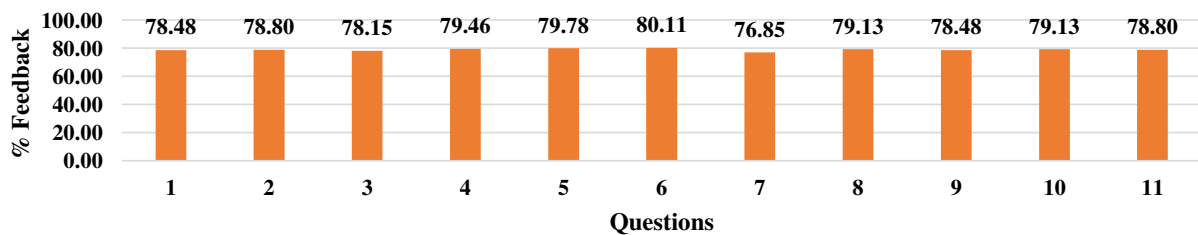
Electrical Measurement and Instrumentation

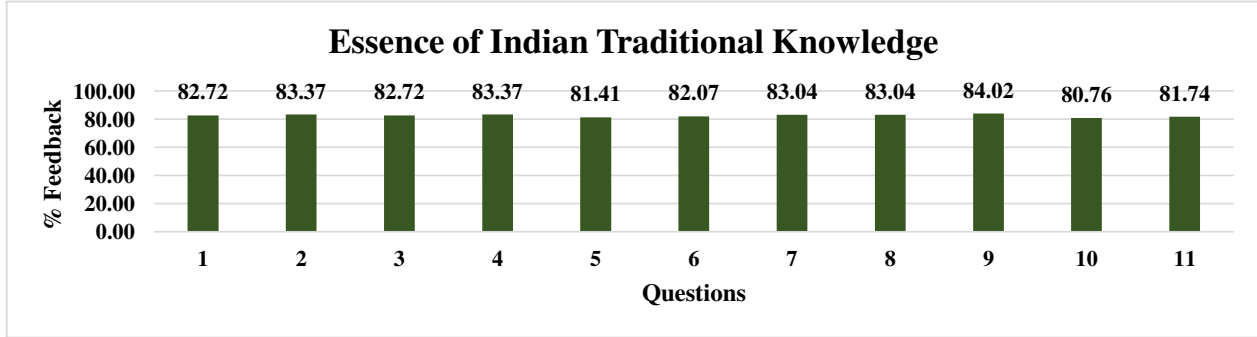
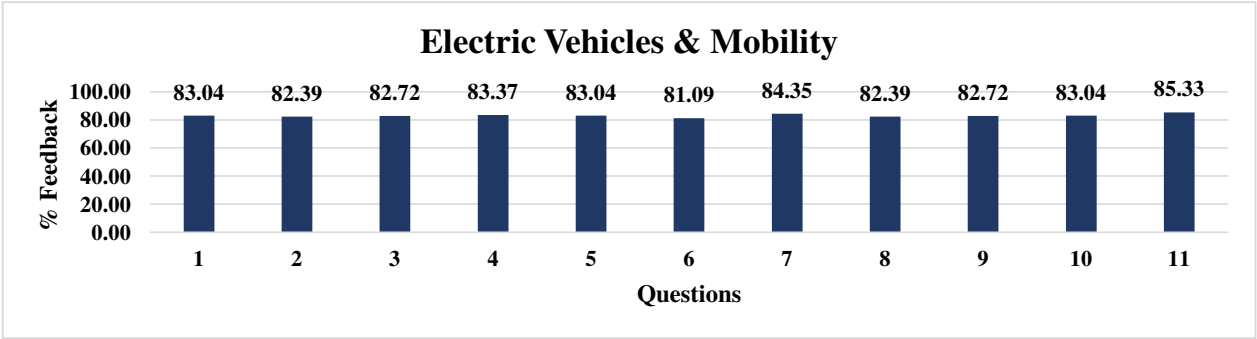


Electrical Measurement and Instrumentation Lab



Algorithms & Data Structures Lab







STUDENT FEEDBACK ON DESIGN AND REVIEW OF SYLLABUS

Engineering Mathematics-III (BSCEE301T)

1. The best features of the Course were:

Responses:

- We learn many things
- The syllabus has good balance between theory and application Problems
- A good online course is engaging and challenging.
- Effective
- Numerical Method
- Real life example
- It capitalizes on the joy of learning and challenges students to enhance their skills, abilities and knowledge.
- Understandable
- Teaching
- The way of teaching
- The concepts and units which were taught was very useful in another subjects as well.
- All topic is important
- Good Teaching and explained.
- Teaching skill
- Study material
- Teaching
- Great
- Laplace Transform
- Numericals
- Linear partial difference theorem EM
- Interesting problems having fun or craze to solve
- Technical skills
- Learning
- This subject is very useful for engineers
- Courses on a range of topics that take modern mathematics to the cutting edge

2. The Course could have been improved by:

Responses:

- By connecting with student
- Practice
- Help students maintain focus.
- Interactive with student
- Help student maintain focus
- No need to improve it is going good
- I think the overall course was excellent and was taught even better so their was no need to have any improvement.
- because of online education students does not userstood properly so i think extra classes



or doubt sessions for every units were taken it helps students to understood properly and it helps teachers also it know that how many students were understanding

- PPT
- Daily practice
- Mathematical concept

Linear Electric Circuits (PCCEE301T)

12. The best features of the Course were:

Responses:

- We learn many things above the course
- Well understandable
- The knowledge of circuits
- A good online course is engaging and challenging.
- Circuit
- Network Function and Resonance
- Related to day to life
- Very knowledgeable and useful to clarify setting and details.
- Good teaching
- Interesting and Organized
- To know about how capacitor & inductor work in initial & final condition.
- Theoretical
- The overall features was really very effective and the concepts was good.
- All topic is important
- Almost Good Teaching
- Circuit theory
- Well taught
- Study material
- Learning
- Great
- KVL KCL
- Theory
- Two part network and interconnection
- Circuit's problem
- Technical skills
- It improve the network analyzing.

13. The Course could have been improved by:

Responses:

- Practice



- It's Improved
- Motivate
- If their could have been any offline class and offline practical's , we would have gain many more concepts clearly.
- because of online education students does not understood properly so i think extra classes or doubt sessions for every units were taken it helps students to understood properly and it helps teachers also it know that how many students were understanding
- Duality concept
- Linear electric circuit
- Practice
- Understanding the network.
- Activity.

Linear Electric Circuits LAB (PCCEE301P)

12. The best features of the Course were:

Responses:

- We learn how to manage or practice this tool in our lab.
- The simplicity of theorem
- A good online course is engaging and challenging.
- Teaching
- Virtual Lab Practical
- Including all the theorem
- Teaching method is good
- Good teaching
- In this course the best features is students know about the MATLAB software.
- The teaching was good.
- All topic is important
- Yes, it was good.
- Concept of network theorem
- Practicals explained well.
- Study material
- knowledge
- Great
- Theorems implementation
- KCL and KVL
- Newly interesting experiment
- Skills
- Nothing to say
- Teaching
- In lap we can practically understand the network and it's working.



13. The Course could have been improved by:

Responses:

- Practice
- No need for improvement.
- because of online education students does not unsertood properly so i think extra classes or doubt sessions for every units were taken it helps students to understood properly and it helps teachers also it know that how many students were understanding
- MATLAB SOFTWARE
- Open ended experiment
- Already improved
- Skills developed
- Make a practice
- Simulating software.
- Practical knowledge

Analog Electronics (PCCEE302T)

12. The best features of the Course were:

Responses:

- Well understandable
- The FET & MOSFET
- A good online course is engaging and challenging.
- Effectiveness
- Applications of Operational Amplifier
- All the syllabus
- Every topic understands quickly
- Good teaching
- Well taught
- Know about different IC's and it's application
- Everything is fine
- The units was very useful
- All topic is important
- Study material
- Skills
- Teaching
- Due to this subject I can understand the electronic devices and its working
- Information of diode and other appliance.

13. The Course could have been improved by:

Responses:

- Its good no need to improve.
- because of online education students does not understood properly so I think extra classes or doubt sessions for every units were taken it helps students to understood properly and it helps



- teachers also it know that how many students were understanding
- Developing Skills
 - Daily studying.
 - Extra Activity.
 - Knowledge about the electronic devices

Analog Electronics LAB (PCCEE302P)

12. The best features of the Course were:

Responses:

- Teaching
- Topic explanation
- Design and analysis the voltage series
- Analysis Application of BJT
- Easily understandable
- Good teaching
- Design different circuits like integrator circuit.
- The course was very interesting, the practicals was also very interesting and we have done a mini project which was good
- Study material
- Virtual Lab
- This course gives knowledge about electronic things.

13. The Course could have been improved by:

Resonses:

- because of online education students does not understood properly so i think extra classes or doubt sessions for every units were taken it helps students to understood properly and it helps teachers also it know that how many students were understanding
- Simulation software.

Electrical Measurement and Instrumentation (PCCEE303T)

12. The best features of the Course were:

Resonses:

- Teaching
- Best teaching techniques
- Measurement and instrumentation principal
- Measurement of electrical parameters
- Measurement of power and energy
- It capitalizes on the joy of learning and challenges students to enhance their skills, abilities and knowledge.
- To know about different types of measuring instruments.
- The teaching was excellent and concepts was cleared by the sir.
- Instrument knowledge
- Study material



- Sensor and transducers
- This improve the ability to measure thing and recognition of instrument

13. The Course could have been improved by:

Responses:

- Its good already no need to improve
- because of online education students does not understood properly so i think extra classes or doubt sessions for every units were taken it helps students to understood properly and it helps teachers also it know that how many students were understanding
- Condition of bridge balance
- Already improved
- Developing Skills
- Daily studying
- Information of instrument.
- How to measure the instrument

Electrical Measurement and Instrumentation LAB (PCCEE303P)

12. The best features of the Course were:

Responses:

- Teaching
- Well understand topic
- Types of measurement
- Virtual Lab Practical
- capitalizes on the joy of learning and challenges students to enhance their skills, abilities and knowledge.
- Good teaching
- Design a thermocouple.
- All practicals are good
- The explanation was good.
- Practical well understood,
- some topics were interesting
- Electrical measurements and instrument
- Practical also explained well.
- Study material
- Measuring the quantities

13. The Course could have been improved by:

Responses:

- because of online education students does not understood properly so i think extra classes or doubt sessions for every units were taken it helps students to understood properly and it helps teachers also it know that how many students were understanding
- Developing Skills
- Daily understanding
- Simulator.
- Improve the practical knowledge of instruments



Algorithms & Data Structures Lab (PCCEE304P)

12. The best features of the Course were:

Responses:

- We learn new things about this course
- Fundamentals of data structures
- Inorder, Preorder and Postorder
- All thing
- Its helps to understand the programs
- Good teaching
- This course improve the programming skills.
- The course and practicals was well managed.
- All topic is important
- well understood
- Concept of stack
- Study material
- Great
- Arrays
- Programing
- Array and searching elements
- Queue practical
- Skills
- This subject learning the data coding and their important in our business life.

13. The Course could have been improved by:

Responses:

- Way of teaching
- It was really hard to get the codes done as I lack in speedy typing and not having my desktop, eo ot could have been better if i done this course in college.
- because of online education students does not unsertood properly so i think extra classes or doubt sessions for every units were taken it helps students to understood properly and it helps teachers also it know that how many students were understanding
- Algorithm
- Developing Skills
- Practice
- Extra course.

Electric Vehicles & Mobility (CCEE301T)

12. The best features of the Course were:

Responses:

- Teaching
- Well understand all topics
- Electric vehicles principals
- Power Control in EV



- Capitalizes on the joy of learning and challenges students to enhance their skills, abilities and knowledge.
- Good teaching
- Know about electric vehicles & components used in EV.
- All are fine
- The course was really very awesome, the way of teaching was incredible.
- All topic is important
- Well taught.
- Hybrid electrical vehicle
- Study material
- Electric vehicles
- Searching elements
- Different vehicles
- Battery bank
- This subject teach about various vehicle and motor and their working

13. The Course could have been improved by:

Responses:

- If we were in college campus and have experienced it in physically then it could have been better.
- because of online education students does not understood properly so i think extra classes or doubt sessions for every units were taken it helps students to understood properly and it helps teachers also it know that how many students were understanding
- Algorithm
- Already interesting
- Developing Skills

Essence of Indian Traditional knowledge (MCEE301)

12. The best features of the Course were:

Responses:

- Understand about our traditional knowledge
- Know about our culture much more
- Protection Of Traditional knowledge
- Capitalizes on the joy of learning and challenges students to enhance their skills, abilities and knowledge.
- Good teaching
- Know about the traditional knowledge
- everything is very good
- Every individual established an interest towards their culture which was nice.
- All topic is important
- It was good.
- subject is good we know our tradition in deep and its very good for all we go closer and closer in our tradition
- Concept of traditional knowledge
- Well explained.
- Faculty members and study material



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- Different knowledge
- This gives the knowledge about our tradition.

13. The Course could have been improved by:

Responses:

- because of online education students does not understood properly so i think extra classes or doubt sessions for every units were taken it helps students to understood properly and it helps teachers also it know that how many students were understanding
- Protection of traditional knowledge
- Yes it already improved
- Traditional knowledge
- Information of other culture.

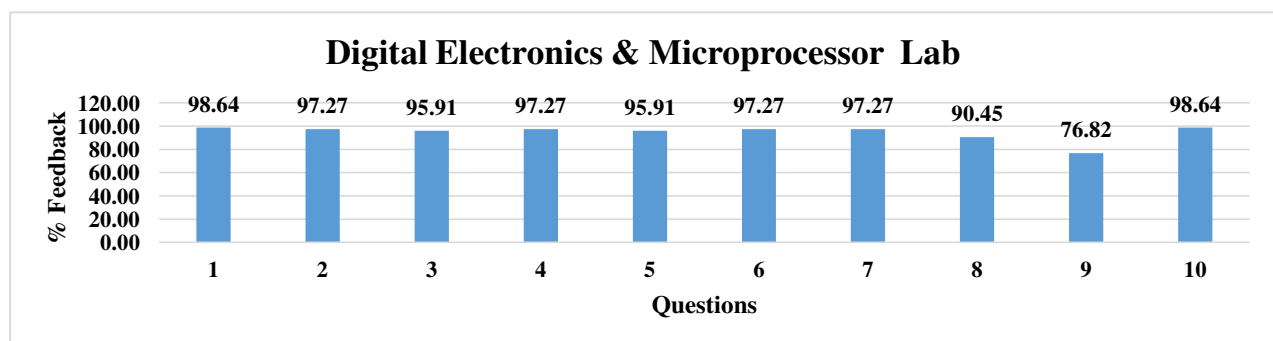
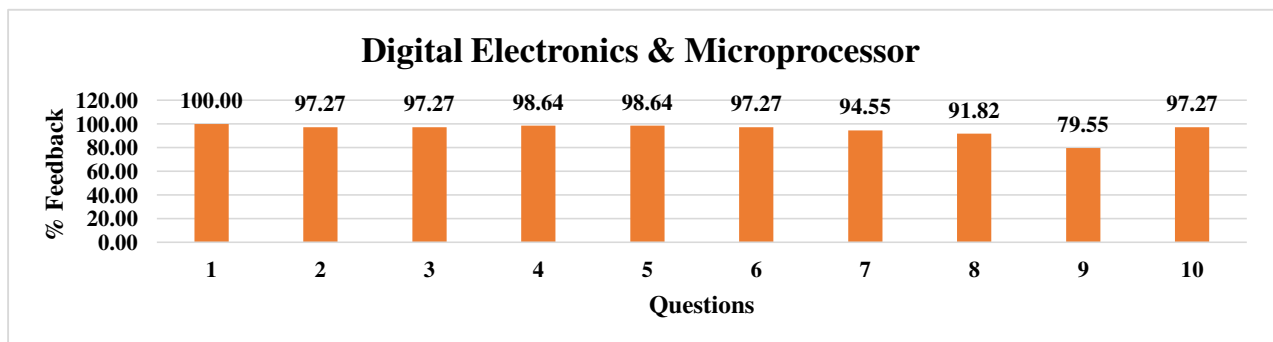
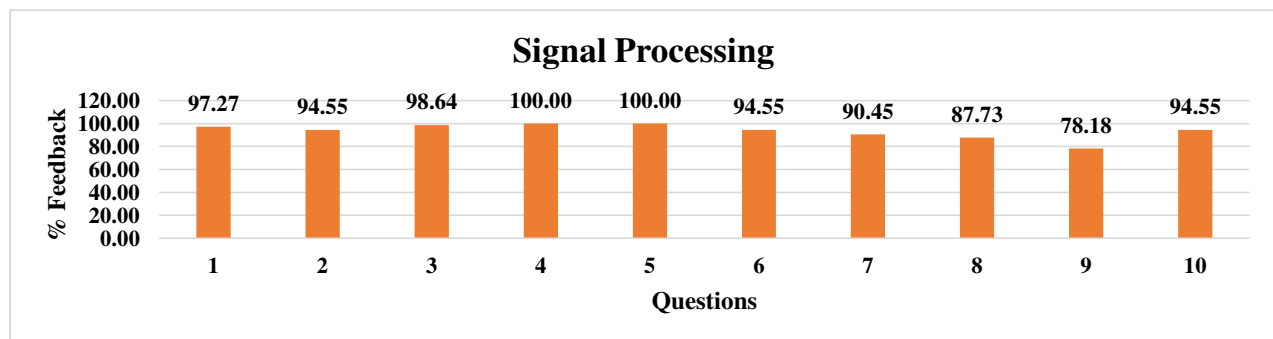


Teachers Feedback on Design of Syllabus

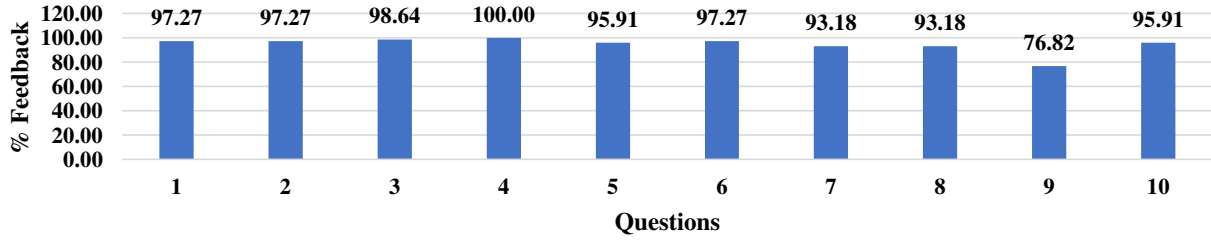
Second Year/Fourth Semester

Questions asked in Teachers Feedback on Design of Syllabus

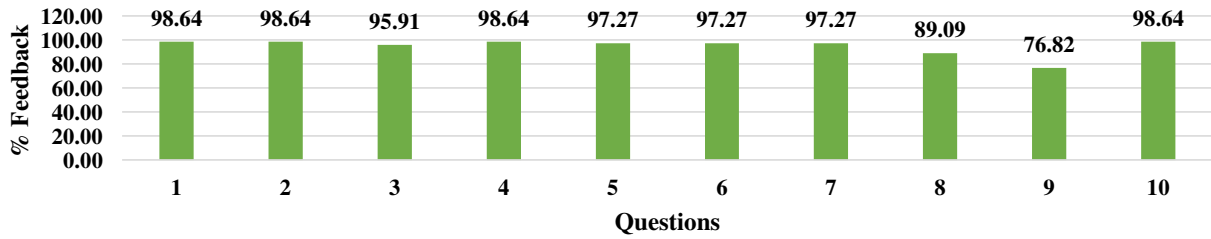
1. Rate the depth of the syllabus for the course in relation to the competencies expected by industry/current global
2. Rate the syllabus in terms of balance between theory and application
3. Rate the sequence of the units/modules in the course
4. Rate the distribution of credits to the course
5. Rate the adequateness of textbooks and reference books mentioned for the course
6. Rate the syllabus/ curriculum prospects for higher education/employability
7. Rate the scope of the course for internship/training/ research
8. Rate the level of social relevance in syllabus
9. Rate the syllabus content for the courses in terms of burden
10. Rate the contribution of the courses in terms of Professional core area



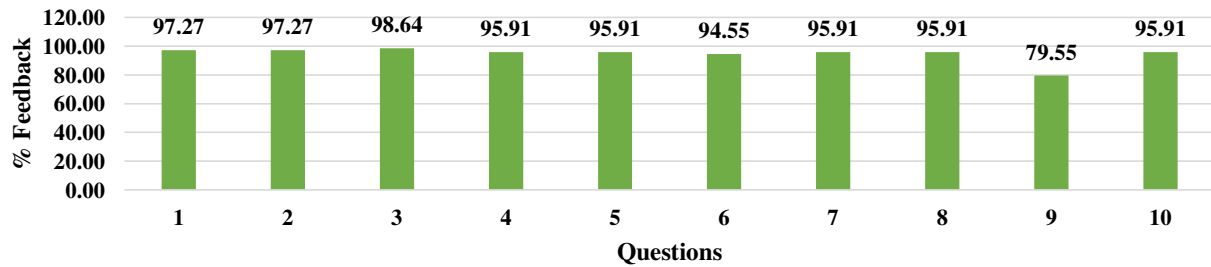
Electrical Machines



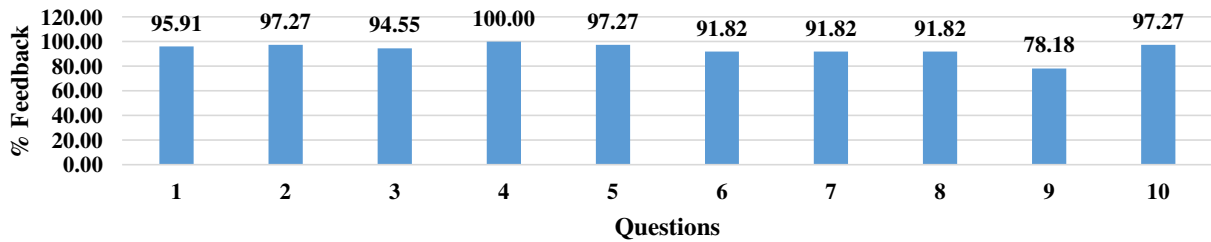
Electrical Machines – I Lab



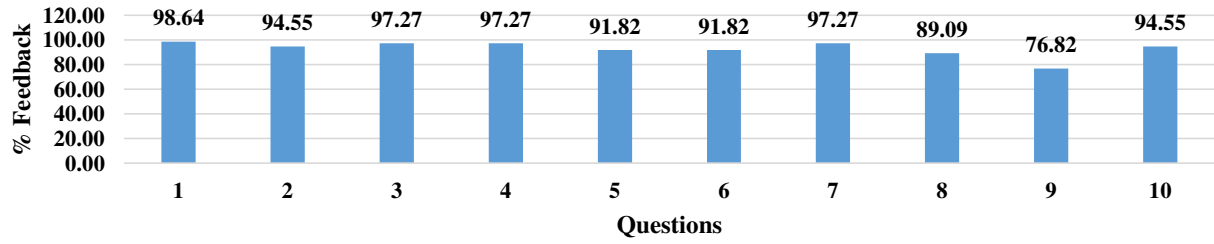
Open Elective - I(OEC) Electric Utilities Fundamental & Future



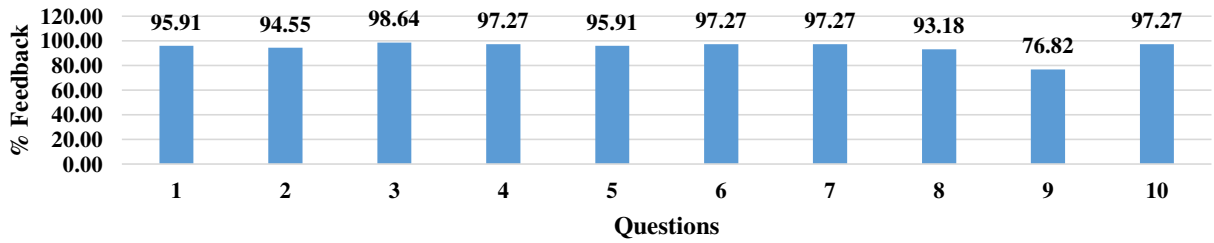
Elements of Electromagnetics



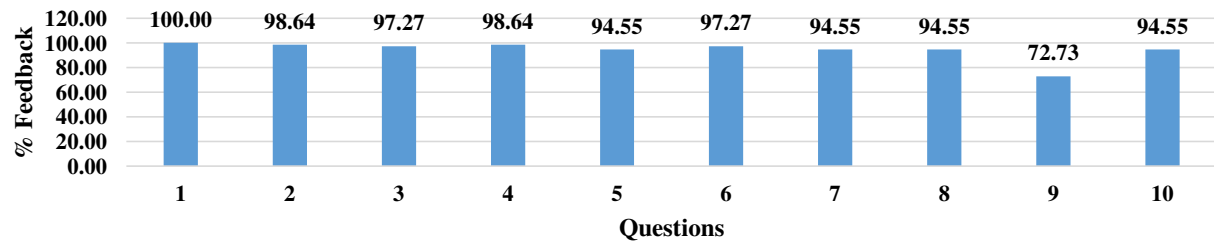
Electrical Drawing & Simulation Lab



Python Programming Lab



Programming with IoT Boards





Teacher Feedback-Design & Review of Syllabus

Provide your valuable comments/suggestions:

PCCEE401T Signal Processing

- Well-designed syllabus
- Very good syllabus
- Well organized
- Internship / practical application referred to Unit content
- It's a very good syllabus as per electrical engineering program.
- Apart from given course few more small course should be added on 1. Ethics and society 2. Financial education 3 courses on health sector
- Excellent
- Exposure provided in the Unit end will provide good learning for the students
- **While Teaching take real life examples**

PCCEE402T Digital Electronics & Microprocessor

- Well organized
- Relevant
- Syllabus is industry relevant
- Contents of the syllabus are very good as per electrical engineering program.
- Good and knowledge oriented
- Well-designed Syllabus
- Core includes both fundamentals as well as current relevant contents

PCCEE402P Digital Electronics & Microprocessor Lab

- Industry relevant syllabus
- Syllabus prospective towards employability is good
- **Practical, hands-on related reference books may be included**
- Well defined contents
- Relevant contents
- Nicely designed experiments

PCCEE403T Electrical Machines - I

- Nice approach towards employability skills
- Industry relevant syllabus
- Well designed
- Very good syllabus.
- Well materialized
- **Give practical examples while teaching**

PCCEE403P Electrical Machines – I Lab

- Very defined practical list
- Industry relevant syllabus
- Well designed



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- Very good syllabus.
- In depth and practical oriented
- Well defined real time experiments
- Pre Lab and Post Lab sessions are well planned.
- Will be great learning for the students

OEC Open Elective – I

- Well designed
- Industry relevant syllabus
- **Reference format is different than other.**
- Real time examples should be included in course delivery
- Good multidisciplinary contents
- Contents of Unit no. 6 related to policies are appreciable
- Good combination of recent technologies and future

PCCEE404T Elements of Electromagnetics

- Very well designed
- Very good syllabus
- Application based syllabus
- Contents of syllabus are very good for electrical engineering program
- Well materialized course
- Course well caters the strong fundamentals

PCCEE405P Electrical Drawing & Simulation Lab

- Well-designed practical list
- Industry relevant syllabus
- Syllabus caters the relevant skill sets.
- Students will able to learn new softwares through this course

PCCEE406P Python Programming Lab

- Well-designed modules
- **Basic Web based application can be added**
- Very good contents as per electrical engineering program.
- **ML Applications may be included in next aced. Session**
- Syllabus is well structured
- Its demanding now

CCEE401P Programming with IoT Boards

- Well-designed modules
- Relevant syllabus
- More reference can be included.
- Good contemporary course.
- Good course. Its demanding now.



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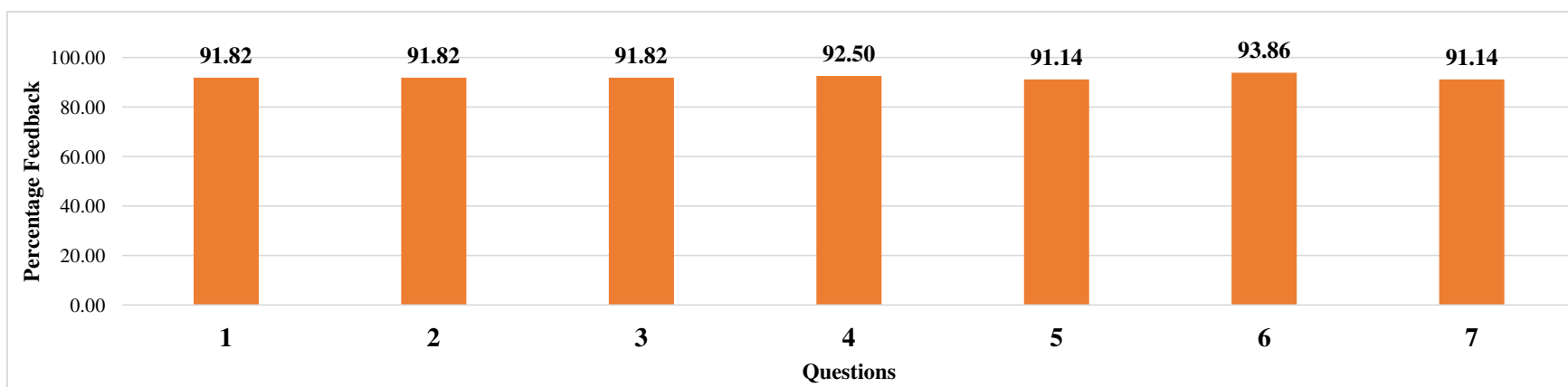


Alumni Feedback on Design of Syllabus

% Feedback	92.01%
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Questions asked in Alumni Feedback on Design of Syllabus

1. Rate the curriculum/syllabus in meeting prerequisite knowledge/skillssets required for the successful career
2. Rate the syllabus/curriculum in terms of balance between theory and application
3. Rate the syllabus/ curriculum prospects for higher education/employability
4. Rate the scope of the courses for internship/training/ research
5. Rate the level of social relevance in syllabus/curriculum
6. Rate the consideration of recent developments of the field in the course syllabus/curriculum
7. Rate the syllabus/ curriculum in enhancing the student's competency





ALUMNI FEEDBACK ON DESIGN AND REVIEW OF SYLLABUS

1. Provide your valuable comments/suggestions

Comments/suggestions:

- It is a demanding
- Overall good syllabus
- For subject signal and processing, entitled books according to your curriculum **are of foreign authors**, which is good but the one who wants to do self-study in any circumstances, he may face the difficulty to understand the language. So kindly look into it because it hamper self-study. And also give more focus on soft skills, like not only as subject but also from peer learning side of aspect it may be more effective.
- Special care should be taken for electrical machines.
- Great syllabus. In my view, referring text book for learning programming language or an IoT device would be time consuming and ineffective. There are **dedicated forums available** for each device where students can interact. There are also sites like **geeks for geeks and stack overflow for programming queries**. Kindly look into it.
- All good.
- The update Syllabus is excellent for Growth of students taking consideration of academics as well as other activities like placement internships the new syllabus will enhance the skill set of students and we'll also let them explore the new technologies being introduced and their applications.
- The syllabus is excellent. It will help the students to increase their growth in engineering life.
- Everything is perfect
- More focus on Practical Knowledge to students
- For growth in any sector practical as well as theoretical knowledge is needed, because there is a great difference between ITI holder and engineer so this curriculum is very good. Also it is a request to institute that don't compromise the traditional way of teaching with the modern one, Here I experienced one thing that degree holders are not qualified enough to write a page in English also in Hindi **so writing practical manuals** with their own hand can somehow solve this problem.



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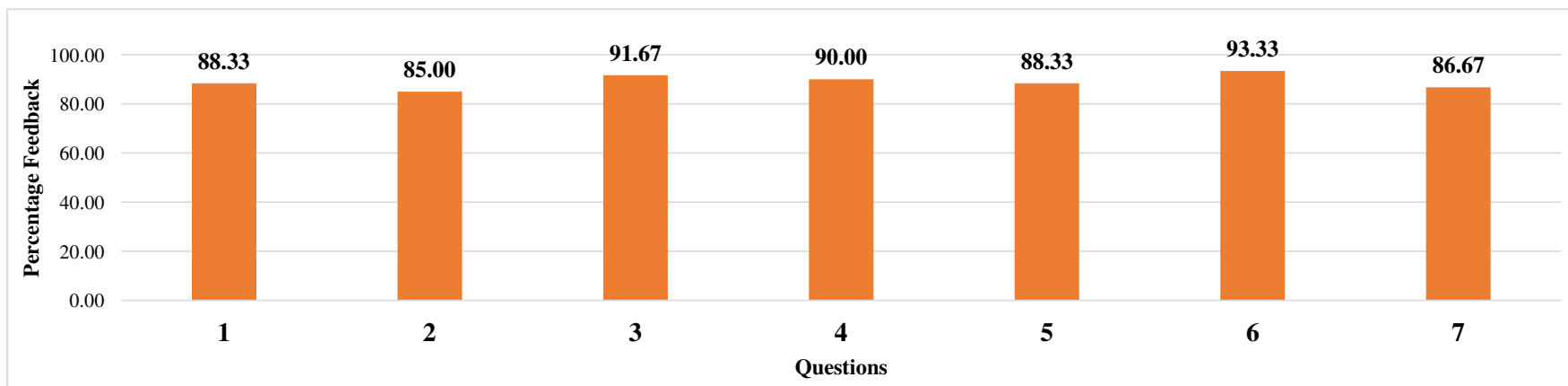


Employer Feedback on Design of Syllabus

% Feedback	89.05%
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Questions asked in Employer Feedback on Design of Syllabus

1. Rate the depth of the syllabus for the courses in relation to the competencies expected by industry/current global scenarios
2. Rate the syllabus/curriculum in terms of balance between theory and application
3. Rate the distribution of credits to the courses
4. Rate the syllabus/ curriculum prospects for higher education/employability
5. Rate the scope of the courses for internship/training/ research
6. Rate the level of social relevance in syllabus/curriculum
7. Rate the consideration of recent developments of the field in the course syllabus/curriculum





EMPLOYER FEEDBACK ON DESIGN AND REVIEW OF SYLLABUS

1. Provide your valuable comments/suggestions:

Comments/suggestions:

- Good way connect both industry
- Sir you have choose best topics and syllabus for your students which will help them in Industry.
- Syllabus is very well balanced as per the industrial basic requirements. Additional Python and IOT is cherry on the cake for electrical students, it will enable electrical students to understand the application of coding in electrical domain and concept of Industrial automation.
- **More focus should be given on practical and current work culture of companies**
- **Need to look into current trends and encourage students into core competencies for project works**
- **Faculty must tell application aspect of technology taught in each and every lecture.**
- **Practicals must be done in consultation with Industry.**
- Students must be exposed to basics and it's application first and then any advance. **Basics is everything. Without basics, it is difficult for student to be industry ready.**