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

(An Autonomous Institute, Affiliated to R.T.M. Nagpur University)

DEPARTMENT OF
ELECTRONICS & TELECOMMUNICATION ENGINEERING

Vision· Emerge as a center for quality education in Electronics & Telecommunication Engineering, so as to create competent professionals
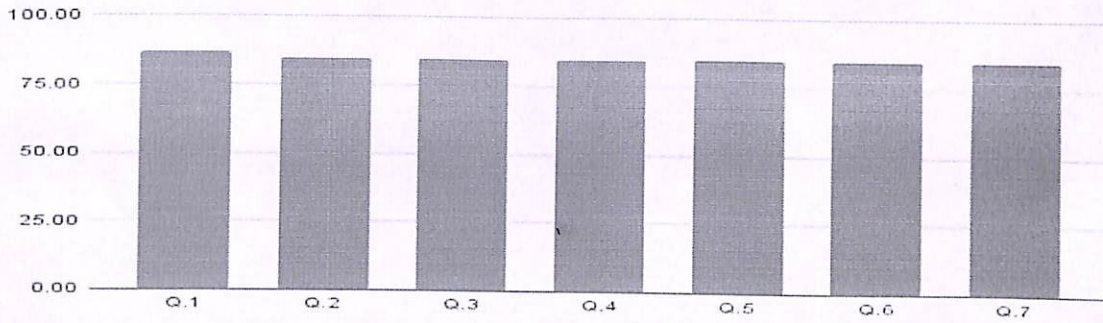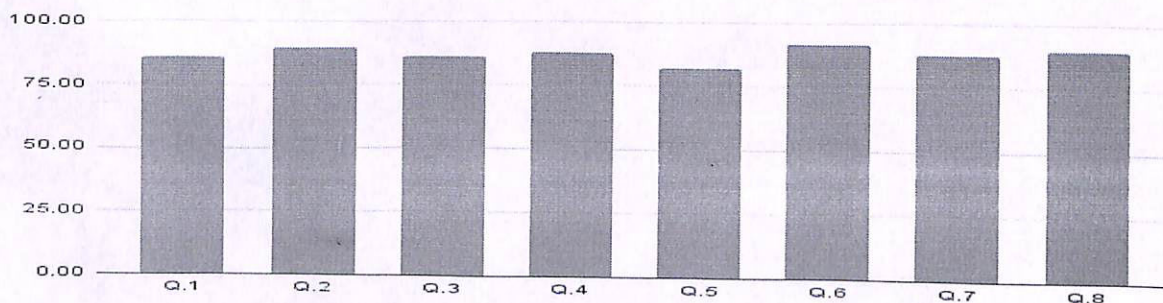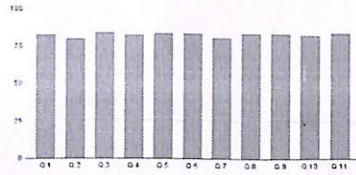
ALUMNI FEEDBACK ON DESIGN AND REVIEW OF SYLLABUS

Programme Name: Electronics & Telecommunication Engineering
Academic Session : 2021-22(ODD)   Semester-IV

Sr. No.	Parameter	5	4	3	2	1	Percentage (%)
Q.1	Rate the curriculum/syllabus in meeting prerequisite knowledge/skillsets required for the successful career	40	25	9	0	2	86.58
Q.2	Rate the syllabus/curriculum in terms of balance between theory and application	37	26	9	2	2	84.74
Q.3	Rate the syllabus/ curriculum prospects for higher education/employability	39	23	9	3	2	84.74
Q.4	Rate the scope of the courses for internship/training/ research	37	25	11	1	2	84.74
Q.5	Rate the level of social relevance in syllabus/curriculum	37	25	12	0	2	85.00
Q.6	Rate the consideration of recent developments of the field in the course syllabus/curriculum	39	23	10	2	2	85.00
Q.7	Rate the syllabus/ curriculum in enhancing the student's competency	40	22	9	3	2	85.00
	Total			2128			
	Percentage			84.44			

Valuable comments/suggestions:

1. Keeping in mind current job market for engineering student we should more focus on IT related fields and global certification. There are many fields other than programming language and coding like SAP, Salesforce,workday, Microstrategy, Power BI. We should encourage students to do global certification depending on their area of interest. This will make them industry ready.

2. i dont find any use of EMF in industry it will be a burden for students. If possible remove EMF and take Computer networking as a subject which is good for industrial perspective.

3. Practicals and extra curricular activities will be helpful as compared to theory sessions.

4. Glad to see the updated syllabus. Best wishes.

5. Teaching only programming syntaxes and solving the questions which company usually asks in the recruitment process would not help. Practically , development of applications is much needed.

6. I really liked the options that students can have from 3rd year. Along with that, I would deeply suggest that please do not push students for only IT skills or jobs because there is so much in our core fields that goes un-noticed by us and when someone tries to actually pursue job/higher education it becomes a little difficult since all they have seen is how much scope and how easy employability is in IT sector whereas ETC sector or EE sector there is not. This is just what I felt, other than that I wish our department and organization great luck for this new beginning! I would surely love to be a part of the alumni community; moreover if there is anything else I can do let me know! I'd be delighted to help. (P.S: please ask students to pay more attention to 3rd year and 4th year core subjects they are way more interesting than any other subject they might take before that and yes Digital design for the win:)) A special shout out to Nicky Mam, her notes for DCFM & ADSD helped me revise my concepts before starting MS!

7. Addition of soft skills session however along with that if there is a chance to include mental health sessions Plus a way to introduce some sense of money management (investment) which is a need of time where students once they graduate have some sense of how to make money rather than how to earn money would be good.

8. Its so good that you have added programming in curriculam

9. Its good to see introduction of python language early on, maybe the practical list for the same can be improved a bit maybe addition of small games using python can help, you can take inspiration from a course called 100 days of code on udemy. As far for electronics domain may be we can accommodate few tutorial session on pspice, orcad or matlab such that the essence of core electronics remains. Overall the syllabus looks good, happy to see that my department and teachers taking a step to meet the industry scenario in this early stage, Thanks to you all.

10. Addibg python to the syllabus is a great scheme.

11. It is nice to see programming languages included in the syllabus. It will surely help further.

12. Syllabus has definitely been improved.Try to design syllabus in such way so that it can match skills required by today's modern industries.Machine Learning, IOT,Data Scientist is going to be future.We should encourage student to get themselves involve in mentioned technologies.

13. Good Initiative to include Trending Technology like Python,Web Framework etc.

14. New additions in syllabus is a great move ...It is going to help students to be prepared for real world of corporate and placements

15. More emphasis on practicals along with theoritical understanding would build more confidence.

16. Syllabus is very interesting and benificial in all aspects and will surely lead to overall growth of students in future.

17. Technology exposure with practical Industrial knowledge is mandatory in this post pandemic world, The new

18. According to Fourth sem its perfect but try to include required technologies such as Iot and Robotics with practical and not as theory subject in any semester of the graduation course. Also detailed course on VLSI can also be included as it has jobs in core domain with less competition.

19. Please try to add the workshop which focuses on the trending technology. For that firstly, add the basic of that courses to the curriculum. Try to get students industry ready rather than forcing them to just mug up the syllabus which is very far back from the reality

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EMPLOYER FEEDBACK ON DESIGN AND REVIEW OF SYLLABUS

Programme Name: Electronics & Telecommunication Engineering

Academic Session :2021-22(ODD)

Semester-IV

Sr. No.	Parameter	5	4	3	2	1	Percentage (%)
Q.1	Rate the depth of the syllabus for the courses in relation to the competencies expected by industry/current global scenarios	4	5	1	0	0	86.00
Q.2	Rate the syllabus/curriculum in terms of balance between theory and application	6	3	1	0	0	90.00
Q.3	Rate the distribution of credits to the courses	4	5	1	0	0	86.00
Q.4	Rate the syllabus/ curriculum prospects for higher education/employability	6	3	0	1	0	88.00
Q.5	Rate the scope of the courses for internship/training/ research	3	6	0	1	0	82.00
Q.6	Rate the level of social relevance in syllabus/curriculum	7	2	1	0	0	92.00
Q.7	Rate the consideration of recent developments of the field in the course syllabus/curriculum	5	4	1	0	0	88.00
Q.8	Rate the syllabus/ curriculum in enhancing the student's competency	5	5	0	0	0	90.00
	Total			307			
	Percentage			87.75			

Valuable comments/suggestions:

1. Add more technical and practical oriented knowledge
2. Can introduce 1/2 subjects on entrepreneurship
3. The syllabus is well balanced but it should have a variable component in the form of NPTEL Learning or Online Courses that can add more flexibility to the coursework. Any student is comfortable with adopting a MOOC(Online Open Course Subjects) should be incentivized especially in terms of subjects like Cloud Computing, VLSI Design, IoT Designing, DSP, Communication. A impetus on self-learning can aid in increasing the chances of Employment, Interest Driven Projects, Publications, and if feasible, starting up their own venture. This can be a huge win-win as the college is now autonomous. This is my suggestion after going through the syllabus.
4. Its a cutting edge syllabus most relevant to the industry requirement.
5. Overall was good. Add more practical portion

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STUDENT FEEDBACK ON DESIGN AND REVIEW OF SYLLABUS

Programme Name:Electronics & Telecommunication Engineering
Academic Session :2021-22(ODD)

Semester-III

S.N.	Feedback Parameters	Digital Electronics-TH	Engineering Mathematics-III-TH	Electronic Devices & Circuits-TH	Network Theory-TH	Object Oriented Programming & Data Structures-TH	Digital Electronics-PR	Electronic Devices & Circuits-PR	Object Oriented Programming & Data Structures-PR	Practice School-1
Q1	The course objectives were clear	82.68	87.42	83.71	83.71	83.71	84.95	81.44	83.51	84.74
Q2	The course workload was manageable	80	86.39	81.24	81.03	81.86	83.3	80.41	81.24	81.86
Q3	The Course was well organized	84.12	87.22	82.06	83.92	84.33	83.51	81.44	84.12	81.65
Q4	The syllabus has good balance between theory and application	82.27	85.98	82.68	81.65	82.89	84.33	80.62	81.86	81.44
Q5	I think the Course was well structured to achieve the learning outcomes (there was a good balance of lectures, tutorials, practical etc.)	83.3	85.15	82.68	83.71	84.95	83.92	81.65	83.09	82.89
Q6	Learning materials were relevant and useful	83.3	86.8	80.82	80.82	83.09	82.59	82.27	82.89	81.65
Q7	The provision of learning resources in the library was adequate and appropriate	80.21	85.57	81.03	82.06	83.51	82.47	80.41	82.27	81.44
Q8	Recommended reading Books etc. were relevant and appropriate	83.3	85.77	81.24	80.62	81.44	83.51	80	81.44	81.24
Q9	Curriculum has prospects for higher education/ employability	83.3	85.98	83.09	82.89	83.3	83.3	82.06	83.51	81.86
Q10	The syllabus / curriculum has social relevance	82.68	86.39	81.86	80.82	83.09	82.89	82.06	81.44	82.47
Q11	The Syllabus / Curriculum equip me for suitable placements in the job markets	83.92	86.39	83.09	83.51	83.51	83.3	82.06	83.92	83.09
	Total	4109	4603	4382	4388	4441	4454	4338	4410	4386
	Percentage	82.6	86.3	82.1	82.2	83.2	83.5	81.3	82.7	82.2

12	The best features of the Course were:									
13	The Course could have been improved by:									

Digital Electronics-Theory

Engineering Mathematics-III-Theory

Engineering Mathematics-III-Theory

Electronic Devices & Circuits-Theory

Network Theory-Theory
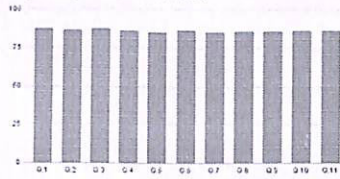
Object Oriented Programming & Data Structures-Theory
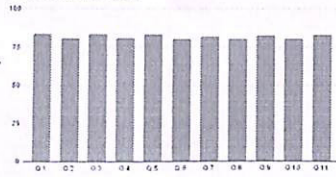
Digital Electronics-Practical
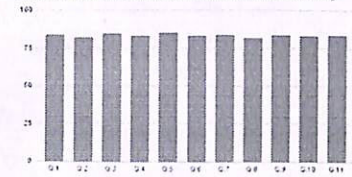
Object Oriented Programming & Data Structures - Practical
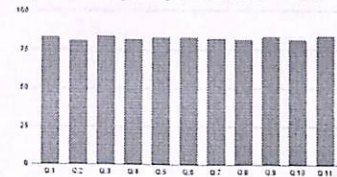
Practice School - 1

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TEACHER'S FEEDBACK ON DESIGN AND REVIEW OF SYLLABUS

Programme Name:Electronics & Telecommunication Engineering
Academic Session :2021-22(ODD)

Semester-IV

| Sr.No.	Parameter	Mathematics-IV-TH	Electromagnetic Fields-TH	Signal Processing-TH	Python Programming-TH	Actuators & Sensors-TH	Signal Processing-PR	Python Programming-PR	Soft Skills-PR
Q.1	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/current global scenarios	90.00	93.33	100.00	97.14	98.33	98.33	97.14	95.71
Q.2	Rate the syllabus in terms of balance between theory and application	91.25	95.00	98.33	100.00	95.00	98.33	98.57	90.00
Q.3	Rate the sequence of the units/modules in the course	96.25	100.00	100.00	94.29	100.00	98.33	97.14	94.29
Q.4	Rate the distribution of credits to the course	92.50	100.00	100.00	97.14	96.67	95.00	97.14	97.14
Q.5	Rate the adequateness of textbooks and reference books mentioned for the course	97.33	100.00	96.36	95.71	96.67	98.33	97.14	95.71
Q.6	Rate the syllabus/ curriculum prospects for higher education/employability	91.25	93.33	100.00	98.57	91.67	96.67	97.14	95.71
Q.7	Rate the scope of the course for internship training/ research	86.25	85.00	95.00	97.14	93.33	93.33	98.57	91.43
Q.8	Rate the level of social relevance in syllabus	77.50	85.00	93.33	85.71	88.33	90.00	90.00	90.77
Q.9	Rate the syllabus content for the courses in terms of burden on students.	73.75	78.33	86.67	88.57	81.67	88.33	88.57	78.57
Q.10	Rate the contribution of the courses in terms of Professional core area	90.67	91.67	96.67	97.14	93.33	96.67	95.71	90.00
	Total	700	553	575	666	561	572	670	639
	Percentage	88.68	92.17	96.64	95.14	93.50	95.33	95.71	91.93
11	Provide your valuable comments/suggestions:	1. Syllabus is very balance 2. May include applications based on syllabus. 3. Few of "Full stop" missing in reference book 4. Well designed syllabus 5. ADD SYALLBUS RELATED TO INDUSRTY 6. Application oriented problem needs to be covered on each topic instead of normal tradition problems	1. Applications should be cofsider while teaching 2. Topics shall relate to real life applications. 3. Syllabus is best as per the need of now a day's trends. 4. Application oriented problems should be covered.	1. May include topics like Wavelet. 2. Syllabus is well designed as per the industry needs. 3. While delivering the contents real life application needs to be covered.	1. Every unit must have one application to explore the topics. 2. Best designed syllabus as per IT Industry need. 3. Instead of taking regular problems for writing codes, real industrial problems can be taken. 4. This syllabus is design in perspective to make student employable	1. Should cover how sensor and actuators are applied in real life scenario. 2. Application of Actuators and Sensors must be taught with their application in Control systems 3. Student can take this program elective so that they can go for instrumentation as career option	1. May include signal processing using Python. 2. In some of the practicals, we can think of implementing concepts using c++ and python. 3. Practical based on real life problems needs to be covered	1. Quite ok. 2. Practical approach of programming is best as per industry requirement. 3. Course coordinator may contact to an industry person and can take the problems there, and solution to those problems must be addressed in the practical. 4. Pre-Lab and Post-Lab practical can be provided. 5. Pre-lab and Post- lab contents are not given in lab course.	1. Syllabus will be useful for placement 2. May include Group Discussion, personal Interview and Story Telling activiies. 3. A lot of Word formatting needed. 1. Course objective table size. 2. Unit's name letter case somewhere title somwher capital. 3. Unit No. nor as same as other subjects format. 4 Activities on these topics for skill development-is mentioned in 3 units, so are we suppose to mention in general cuz syllabus is specific & prescribed. 5. Format of textbook & reference book not follwed in format of bookname, author,year& publication. 6. Unit 7 ended with semicolon also units not ended with fullstop. 8. unit no. 7 name is -Problem solving level I & in mid Problem solving level II is also mentioned. 1 unit name should be there i guess. 9. Co for last 3 units not justified with the existing CO mentiond. 10. CO's not being justified with the prescribes syllabus. 4. In UNIT-III, we can introduce/exposure to Online Presentation tools apart from the Microsoft Power Point. According to Course Contents, we must add books related with Problem Solving, Logical reasoning etc. 5. This subject must be taught in association with some corporate trainer. 6. Student must take this subject very seriously to build their personality.

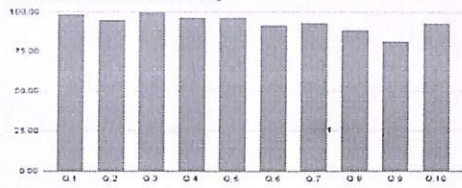## Mathematics-IV-Theory
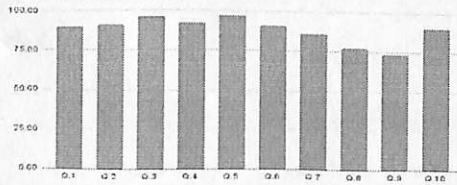
Electromagnetic Fields-Theory
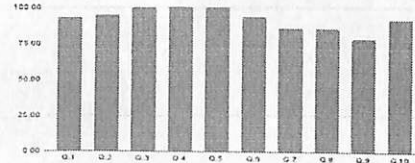
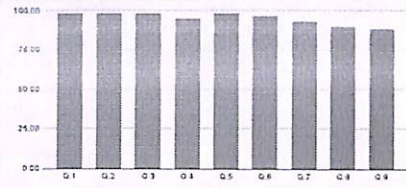## Signal Processing-Theory
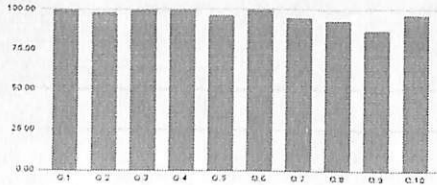
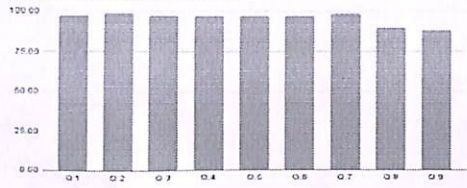## Python Programming-Theory
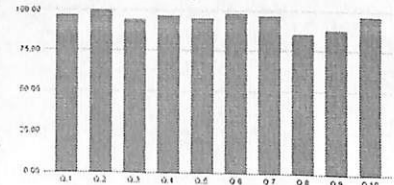
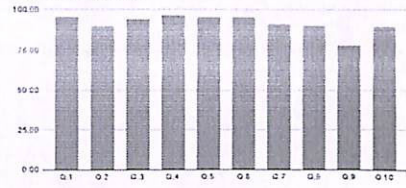## Actuators & Sensors-Theory

Signal Processing-Practical

Python Programming-Practical

Soft Skills-Practical

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