



Program: Electronics & Communication Engineering

BoS Meeting

(BoS Meeting Scheduled on 12 June 2024)

Date and Time 12.06.2024, 3 PM Onwards.

of BoS

Held online at: <https://meet.google.com/ome-mtds-vkp>

Board of Studies members

- A. Dr. Ashutosh Datar, Head (Dept. of Electronics Engg.) & Chairman
- B. The entire faculty of each specialization:
 - 1. Dr. Neelesh Mehra, Course Coordinator (E&C)
 - 2. Dr. D.K Shakya, Asst. Professor
 - 3. Prof. M L Jatav, Asst. Professor
 - 4. Prof. Bharti Mehra, Asst. Professor
 - 5. Dr. Suchi Mishra, Asst. Professor
 - 6. Dr. Sweety Jain, Asst. Professor
 - 7. Prof. Abhishek Jain, Asst. Professor
 - 8. Prof. Niraj Dhakad, Asst. Professor
- C. Two subject experts from outside the university
 - 1. Dr. Aditya Trivedi, Professor, IIITM, Gwalior
 - 2. Dr. Vandana Vikas Thakre, Professor, Department of Electronics, MITS Gwalior
- D. One representative from Industry/Corporate sector, allied/area
Mr. Ashutosh Patrikar, Senior Manager, EY, Pune
- E. Postgraduate Meritorious Alumnus
Dr. Anand Agrawal, Assistant Professor, Department of ECE, IIIT Kota
- F. One expert nominated by Vice Chancellor, RGPV.
Dr. Prabhat Patel, Professor, UIT, RGPV, Bhopal

Comment: Dr. Prabhat Patel did not join the meeting and Dr. Neelesh Mehra was on leave.



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Courses where revision was carried out*							
(Course/subject name)	Course Code	Year/Date of introduction	Year/Date of revision	Percentage of content added or replaced	Agenda Item No.	Page No.	Link of relevant documents/minutes
Wireless Communication	EC-504	2021	2024/ 12.6.2024	20%	2	9	https://satiengg.in/images/Electronics%20Department/BoS%20June24/EC-5th%20Sem%20syllabus.pdf
Cellular Mobile Communication	EC-604 (A)	2021	2024/ 12.6.2024	20%	2	11	https://satiengg.in/images/Electronics%20Department/BoS%20June24/EC-6th%20Sem%20Syllabus.pdf

Courses focusing on employability/entrepreneurship/ skill development*					
(Course/subject name)	Course Code	Activities/contents which have a bearing on increasing skill and employability	Agenda Item No.	Page No.	Link of relevant documents/minutes
Simulation Lab-II (LabVIEW)	DLC-2	Test and measurement, control systems, and embedded systems development.	4,5	15	https://satiengg.in/images/Electronics%20Department/BoS%20June24/EC-5th%20Sem%20syllabus.pdf
Embedded System Design	EC-603(A)	Communication protocols, ARM and embedded system, peripherals interfacing and programming to solve prototype problems.	4,5	7	https://satiengg.in/images/Electronics%20Department/BoS%20June24/EC-6th%20Sem%20Syllabus.pdf

New Courses added*					
(Course/subject name)	Course Code	Activities/contents which have a bearing on increasing skill and employability	Agenda Item No.	Page No.	Link of relevant documents/minutes
Analog Communication	EC 305	It introduces the basic concepts of analog communication systems, and to equip students with various issues related to analog communication such as modulation, demodulation, transmitters and receivers.	4	13	https://satiengg.in/images/Electronics%20Department/BoS%20June24/EC-3rdI%20sem%20syllabus.pdf
Digital Communication	EC 404	It provides an introduction to the basic principles and techniques used in digital communication.	4	11	https://satiengg.in/images/Electronics%20Department/BoS%20June24/EC-4%20sem%20syllabus%20revised%20with%20OC.pdf

[Handwritten signatures and initials]



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Control System	EC 405	Introduces the fundamental concepts of control system and mathematical modeling of the system.	4	10	https://satiengg.in/images/Electronics%20Department/BoS%20June24/EC-4%20sem%20syllabus%20revised%20with%20OC.pdf
Fundamental of Instrumentation	ECA 104	The course aims at providing the fundamental concepts of the Instrumentation and Measurement, static and dynamic characteristics of instruments and their error analysis, provides an overview of the laboratory /Industrial instruments.	4	5	https://satiengg.in/images/Electronics%20Department/BoS%20June24/EC-1st%20Semester%20Syllabus.pdf

Feedback on curriculum received from stakeholders: Analysis & ATR*

Stakeholder	Student	Faculty	Alumni	Employer
No. of responses	43	9	2	0
Link of Analysis	https://forms.gle/oXxRA7g3FiW8pGgc7	https://forms.gle/XELvxtLp51o9KLtt6	https://forms.gle/av3wUCPThANoq59a6	-
Link showing Excel sheet of Google Form details of stakeholders	https://docs.google.com/spreadsheets/d/1JZMYOW8AjuPZEMqYSZOgiHdG3ayyu-vaRA23JOHuns/edit?resourcekey&usp=forms_w eb_b#gid=14319372	https://docs.google.com/spreadsheets/d/1vtUz6aR7A8QIOYIxZ3g5fADaZeEJm-SgA6NR4WPIPO8/edit?resourcekey#gid=841359435	https://docs.google.com/spreadsheets/d/1OnFMFCITGglP3BsKQBssLJjcxrWAb3i6HoGyzH0xVY/edit?usp=sharing	-



BoS Agenda Items & Resolutions

Item 1	To confirm the minutes of previous BoS meeting held in the month of December 2023
Resolution	As per the agenda point no. 1, the minutes of the last Board of Studies meeting held on 27 th Dec 2023 have been confirmed and approved.

Item 2	To review, prepare, finalize and recommend the Scheme & Syllabi (along with the Course Outcomes) of V and VI semester B. Tech. Programme in Electronics and Communication Engineering (for the batch admitted in 2022-23 Session)
Resolution	<p>The scheme and syllabus for V and VI semester B. Tech programmes was reviewed and finalized. It was suggested by the Board of Studies (BOS) that the content of Chapter 1 in the departmental elective category (DE-1) Wireless Communication course of V semester needs to be revised. In VI semester, Simulation Lab III (EC-606) under the DLC category is proposed and approved. It is also suggested that the current syllabus for DE-3 Cellular and Mobile Communication needs to be updated. It was proposed to include advanced topics such as 3G, 4G, and 5G technologies.</p> <p>Link for the scheme & syllabus is as follows:</p> <p>https://satiengg.in/images/Electronics%20Department/BoS%20June24/EC%20Final%20Scheme%20as%20per%20Revised%20Scheme%20format%20May%202024.pdf</p> <p>https://satiengg.in/images/Electronics%20Department/BoS%20June24/EC-5th%20Sem%20Syllabus.pdf</p> <p>https://satiengg.in/images/Electronics%20Department/BoS%20June24/EC-6th%20Sem%20Syllabus.pdf</p>

Item 3	To discuss the Scheme of VII and VIII semester B. Tech. Programme in Electronics and Communication Engineering (for the batch admitted in 2022-23 Session)
Resolution	The scheme and syllabus for VII and VIII semester B. Tech programmes as per the format proposed by the Dean Academic office was discussed.

Item 4	To discuss the Scheme of V and VI semester as per revised scheme format with the provision of one Open Elective (OE) Course of 3 credit in V & VI semester each .Total of 6 credits for V & VI semesters for student admitted in 2022-23 session.
Resolution	The list of Open Elective (OE) Courses of 3 credits in V & VI semester along with their syllabus was presented and approved by BOS committee. Further on request of Electrical Department it is decided that Signal and System course will also be offered as an Open Elective in V semester for 2022 scheme. The syllabus for the Signal and System course will be similar to syllabus as approved for EC course.



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Item 5	To review, prepare, finalize and recommend the list of experiments/ Lab manual and skill based mini projects for various laboratory courses to be offered in V and VI semester B.Tech. Programme in Electronics and Communication Engineering(for the batch admitted in 2022-23).
Resolution	The suggestive list of experiments mentioned along with detailed syllabus of different subjects of B. Tech. V& VI Semester (for the batch admitted in 2022-23) are discussed and approved.

Item 6	To discuss and finalize the open course offered by department for other branch students in B.Tech. V and VI semester. (for the batch admitted in 2022-23 Session)
Resolution	The open course offered by department for other branch students in B.Tech. V and VI semester are discussed and finalized.

Item 7	To review, recommend and finalize the changes made in Scheme & Syllabi (along with the Course Outcomes) of I to IV semester B. Tech. Programme in Electronics and Communication Engineering (for the upcoming batches I year and II year onwards.(admitted after 2022-23 Session) (2023-24 onwards batch)
Resolution	<p>Scheme & Syllabi (along with the Course Outcomes) of I to IV semester B. Tech. Programme (for the upcoming batches I year and II year onwards (admitted after 2022-23 Session) (2023-24 onwards batch) is discussed and finalized along with changes in the scheme and syllabus of I and II Semester is approved and finalized.</p> <p>EC-305 Analog Communication course in III Semester and EC-404 Digital Communication course along with their syllabus are proposed and approved. In place of Open Category in IV Semester, EC-405 Control System course is introduced and approved.</p> <p>Link for the scheme is as follows: https://satiengg.in/images/Electronics%20Department/BoS%20June24/EC%20Final%20Scheme%20as%20per%20Revised%20Scheme%20format%20May%202024.pdf</p>

Item 8	<p>To propose a tentative pool of courses which can be opted for getting an</p> <p>(i) Honours Degree (for students of the parent department) (20 credits additionally to be earned between V to VIII sem.)</p> <p>(ii) Minor Degree (for students of other departments) (20 credits additionally to be earned between V to VIII sem.)</p> <p>[These will be offered through SWAYAM/NPTEL/MOOC based Platforms for the B.Tech. V semester students (for the batch admitted in 2022-23).</p>
Resolution	<p>A tentative pool of courses available on NPTEL/SWAYAM was presented and approved for Honours and Minor Degree. It has also been proposed that HoD can update the pool of courses as per the availability of courses offered through SWAYAM/NPTEL/MOOC based Platforms.</p> <p>Link for the pool of courses for Honours Degree: https://satiengg.in/images/Electronics%20Department/BoS%20June24/Honors%20Degree.pdf</p> <p>Link for the pool of courses for Minor Degree: https://satiengg.in/images/Electronics%20Department/BoS%20June24/Minor%20Degree.pdf</p>



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Item 9	To review the Scheme & Syllabus of B. Tech. Programme in Electronics and Communication Engineering (along with the Course Outcomes) for 2018 scheme.
Resolution	Syllabus and scheme applicable for 2018 batch (old scheme) are discussed and no changes were suggested.

Item 10	To review result analysis, curricula feedback from various stakeholders, etc. and its analysis and impact
Resolution	Result, curricula feedback from various stake holders are presented and discussed. https://drive.google.com/file/d/1oOZfRfFQwILXcd73OSdoJbiliUrxK7Xx/view?usp=drive_link

Item 11	Any other points with the permission of chair
Resolution	-

Conclusion: All possible suggestions are incorporated in the presented Scheme and the Syllabus of B.Tech (Electronics & Communication Engineering) course as per the Agenda.

As per the above comments and suggestions from BoS members, the existing syllabus and proposed new scheme and Syllabus have been updated and approved by the BoS Members.

The meeting concluded with Vote of Thanks from Dr. Ashutosh Datar, Head (Dept. of Electronics Engg.) & Chairman, to all the external subject experts and faculty members who have attended the meeting.

Dr. Aditya Trivedi,
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