

Department of Electronics Engineering**Minutes of the online Board of studies meeting on 01-06-2022**

Following members have attended the online meeting:

1.	Dr. Laxmi Shrivastava	Chairperson, Associate Professor and Head
2.	Dr N S Ragava	External Member, Professor, ECE Deptt., DTU, Delhi
3.	Dr Alok Jain	VC Nominee, RGPV, Professor, SATI, Vidisha
4.	Er. Pankaj Agarwal	Alumni, External member, Assistant Engineer, UP Power Corporation Limited
5.	Prof. P. K. Singhal	Professor
6.	Dr. V. V. Thakare	Associate Professor
7.	Dr. R. P. Narwaria	Assistant Professor
8.	Dr. Karuna Markam	Assistant Professor
9.	Prof. Madhav Singh	Assistant Professor
10.	Prof. D. K. Parsediya	Assistant Professor
11.	Dr. Sandeep Sharma	Assistant Professor
12.	Dr. Vikas Mahor	Assistant Professor
13.	Dr. Rahul Dubey	Assistant Professor
14.	Dr. Hemant Choubey	Assistant Professor
15.	Dr. Deepak Batham	Assistant Professor
16.	Dr. Varun Sharma	Assistant Professor
17.	Dr. Shubhi Kansal	Assistant Professor
18.	Dr. Sushmita Chaudhary	Assistant Professor
19.	Dr. Dinesh Rano	Assistant Professor

Following external members could not attend the meeting:

1. Er. Gaurav Tripathi, Representative from industry/ corporate sector/ allied area
External member, Sr. Enterprise Architect, HCL Technologies SEZ, Noida
2. Dr. Jyoti Singhai, RGPV nominee by Academic Council, Professor, MANIT, Bhopal

At the onset, the chairperson welcomed external members to the meeting of BoS and placed the agenda for the deliberation to the members. The following deliberations were made as per the items of circulated agenda:

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Department of Electronics Engineering

BoS Agenda Items

Item 1	<p>To confirm the minutes of previous BoS meeting held in the month of December 2021</p> <p><i>The minutes of previous BOS held on 21 Dec 2021 are confirmed.</i></p>																							
Item 2	<p>To prepare and finalize the scheme structure of B.Tech. VII Semester with the provision of <i>Two Departmental Electives (DEs) and Two Open Category (OC) Course</i> (in which one Departmental Elective is to be offered in online mode with credit transfer) for the batch admitted in 2019-20.</p> <p><i>Scheme Structure of B.Tech VII Semester with provision of Two Departmental Electives and Two Open Category courses has been discussed and finalized. Same can be find in Annexure I</i></p>																							
Item 3	<p>To prepare and finalize the syllabus of courses to be offered (for batch admitted in 2019-20) under <i>Departmental Elective (DE) Course</i> (in traditional mode) for B.Tech. VII Semester along with their COs</p> <p><i>Following Subjects has been finalized as Departmental Electives to be offered through traditional teaching mode Detailed syllabi can be find in Annexure II.</i></p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Category</th> <th>Subject Code</th> <th>Subject Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DE-III</td> <td>140711/200711</td> <td>Satellite & Radar Communication</td> </tr> <tr> <td>2</td> <td>DE-III</td> <td>140712/200712</td> <td>VLSI Design</td> </tr> <tr> <td>3</td> <td>DE-III</td> <td>140713/200713</td> <td>Microwave Engineering</td> </tr> </tbody> </table>				S.No	Category	Subject Code	Subject Name	1	DE-III	140711/200711	Satellite & Radar Communication	2	DE-III	140712/200712	VLSI Design	3	DE-III	140713/200713	Microwave Engineering				
S.No	Category	Subject Code	Subject Name																					
1	DE-III	140711/200711	Satellite & Radar Communication																					
2	DE-III	140712/200712	VLSI Design																					
3	DE-III	140713/200713	Microwave Engineering																					
Item 4	<p>To propose the list of courses which the students can opt from SWAYAM/NPTEL/MOOC based Platforms, to be offered in <i>online mode</i> under Departmental Elective (DE) Course, with credit transfer in the B.Tech. VII Semester under the flexible curriculum (Batch admitted in 2019-20)</p> <p><i>The list of courses which the students can opt from SWAYAM/NPTEL/MOOC based Platforms, to be offered in online mode under Departmental Elective (DE) Course, with credit transfer in the B.Tech. VII Semester under the flexible curriculum has been discussed and finalized. Same can be find in Annexure-III.</i></p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Category Code</th> <th>Course Code</th> <th>Name of The course</th> <th>Weeks</th> </tr> </thead> <tbody> <tr> <td>1</td> <td rowspan="2">DE-IV</td> <td>140751/200751</td> <td>Digital Image Processing</td> <td>12</td> </tr> <tr> <td>2</td> <td>140752/200752</td> <td>Introduction to Wireless Cellular Communication</td> <td>12</td> </tr> </tbody> </table>				S.No	Category Code	Course Code	Name of The course	Weeks	1	DE-IV	140751/200751	Digital Image Processing	12	2	140752/200752	Introduction to Wireless Cellular Communication	12						
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1	DE-IV	140751/200751	Digital Image Processing	12																				
2		140752/200752	Introduction to Wireless Cellular Communication	12																				
Item 5	<p>To prepare and finalize the syllabus of courses to be offered (for batch admitted in 2019-20) under the <i>Open Category (OC) Courses</i> (in traditional mode) for B.Tech. VII semester students of other departments along with their COs</p> <p>The syllabus of courses to be offered (for batch admitted in 2019-20) under the <i>Open Category (OC) Courses</i> (in traditional mode) for B.Tech. VII semester students of other departments along with their COs has been discussed and finalized. The syllabi can be find in Annexure-IV.</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Category</th> <th>Subject Code</th> <th>Subject Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OC-II</td> <td>900206</td> <td>Satellite Systems</td> </tr> <tr> <td>2</td> <td>OC-II</td> <td>900207</td> <td>Consumer Electronics</td> </tr> <tr> <td>3</td> <td>OC-III</td> <td>900218</td> <td>MEMS & Mechatronics</td> </tr> <tr> <td>4</td> <td>OC-III</td> <td>900219</td> <td>Multimedia Communication</td> </tr> </tbody> </table>				S.No	Category	Subject Code	Subject Name	1	OC-II	900206	Satellite Systems	2	OC-II	900207	Consumer Electronics	3	OC-III	900218	MEMS & Mechatronics	4	OC-III	900219	Multimedia Communication
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3	OC-III	900218	MEMS & Mechatronics																					
4	OC-III	900219	Multimedia Communication																					
Item 6	<p>To prepare and finalize the Experiment list/ Lab manual for Departmental Laboratory Course (DLC) to be offered in B.Tech. VII semester (for batches admitted in 2019-20)</p> <p><i>The Experiment list/ Lab manual for Departmental Laboratory Course (DLC) to be offered in B.Tech. VII semester has been finalized and approved by BOS members. The list can be find in Annexure-V.</i></p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Category</th> <th>Subject Code</th> <th>Subject Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DLC</td> <td>140705/200705</td> <td>VLSI Design</td> </tr> <tr> <td>2</td> <td>DLC</td> <td>140707/200707</td> <td>Creative Problem Solving</td> </tr> </tbody> </table>				S.No	Category	Subject Code	Subject Name	1	DLC	140705/200705	VLSI Design	2	DLC	140707/200707	Creative Problem Solving								
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1	DLC	140705/200705	VLSI Design																					
2	DLC	140707/200707	Creative Problem Solving																					

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To propose the list of "Additional Courses" which can be opted for getting an
 (i) **Honours (for students of the host department)**
 (ii) **Minor Specialization (for students of other departments)**

[These will be offered through SWAYAM/NPTEL/MOOC based Platforms for the B.Tech. VII semester students (for the batch admitted in 2019-20)] and for B.Tech. V semester (for the batch admitted in 2020-21).
 The list with name of mentor, date of registration can be find in Annexure-VI.

Semester	Hons/Minor	Domain	Subject Name	Weeks
V	Hons	Communication and Signal Processing	Principles and Techniques of Modern Radar Systems	12
		VLSI Design	Hardware modeling using verilog	08
	Minor	Control & Sensor Technology	Control System	12
		Communication and Signal Processing	Introduction to Wireless and Cellular Communications	12
VII	Hons		Data Science for Engineer	08
			Design of Photovoltaic Systems	08
	Minors		Microwave Engineering	12
			Control Engineering	12

Item 8 To prepare and recommend the scheme structure of B.Tech. V Semester under the flexible curriculum (Batch admitted in 2020-21)
 [This will also include all the emerging area programmes]
 The scheme structure of B.Tech. V Semester under the flexible curriculum (Batch admitted in 2020-21) has been discussed and finalized. Same can be find in Annexure-VII.

Item 9 To prepare and recommend the syllabi for all Departmental Core (DC) Courses of B.Tech. V Semester (for batch admitted in 2020-21) under the flexible curriculum along with their COs.
 [This will also include all the emerging area programmes]
 The syllabi for all Departmental Core (DC) Courses of B.Tech. V Semester (for batch admitted in 2020-21) under the flexible curriculum along with their COs has been discussed and finalized. The detailed syllabi for the same can be find in Annexure-VIII.

S.No	Category	Subject Code	Subject Name
1	DC	140512/200512	Microprocessor and Interfacing
2		140513/200513	Linear Control Theory
3		140514/200514	Digital Communication

Item 10 To prepare and recommend the Experiment list/ Lab manual for all the Laboratory Courses to be offered in B.Tech.V semester (for batch admitted in 2020-21)
 [This will also include all the emerging area programmes]
 The Experiment list/ Lab manual for all the Laboratory Courses to be offered in B.Tech.V semester (for batch admitted in 2020-21) has been discussed and finalized. The list can be find in Annexure-IX

S.No	Category	Subject Code	Subject Name
1	DC	140512/200512	Microprocessor and Interfacing
2	DC	140514/200514	Digital Communication
3	DLC	140515/200515	Minor Project-I

Item 11 To prepare and recommend the suggestive list of projects which can be assigned under the „Skill based mini-project“ category in various laboratory component based courses to be offered in B.Tech. V Semester (for the batch admitted in 2020-21).
 [This will also include all the emerging area programmes]
 The suggestive list of projects which can be assigned under the 'Skill based mini-project' category in various laboratory component based courses to be offered in B.Tech. V Semester (for the batch admitted in 2020-21) has been discussed and finalized. The list can be find out in Annexure-X.

S.No	Category	Subject Code	Subject Name
1	DC	140512/200512	Microprocessor and Interfacing
2	DC	140514/200514	Digital Communication

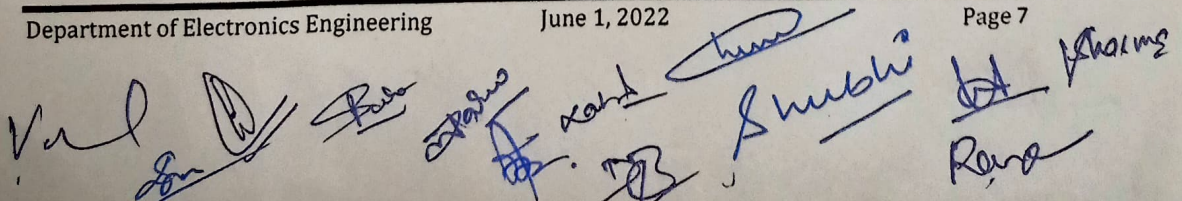
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Item 12	<p>To propose the list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered (for batch admitted in 2020-21) in online mode under Self-Learning/ Presentation, in the B.Tech. V Semester <i>[This will also include all the emerging area programmes]</i> The list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered (for batch admitted in 2020-21) in online mode under Self-Learning/ Presentation, in the B.Tech. V Semester has been finalized with the concern of the BOS members. The detailed about the courses can be find out in Annexure-XI.</p>				
	S.No	Semester	Subject Category	Subject Name	Duration (weeks)
	1	V	Self Learning	Demystifying Networks	04
	2			Basics of Software defined Radios and Practical applications	04
	3			Foundation of Cognitive robotics	04
Item 13	<p>To prepare and recommend the Scheme & Syllabi (along with the Course Outcomes) of B.Tech. III semester of the newly started B. Tech. programmes in the emerging areas (AI & ML, AI & DS, CSD) (started from 2021-22 Session) <i>{Applicable for the concerned departments}</i> NOT APPLICABLE</p>				
Item 14	<p>To prepare and recommend the list of experiments and skill based mini projects of B.Tech. III semester of the newly started B. Tech. programmes in the emerging areas (AI & ML, AI & DS, CSD) (started from 2021-22 Session) <i>{Applicable for the concerned departments}</i> NOT APPLICABLE</p>				
Item 15	<p>To review, prepare, finalize and recommend the Scheme & Syllabi (along with the Course Outcomes) of III semester B. Tech. programmes (batch admitted 2021-22 Session) <i>{(all traditional and emerging area programmes (IT-IoT, AIR, EE-IoT, MAC))}</i> Scheme & Syllabi (along with the Course Outcomes) of III semester B. Tech. programmes (batch admitted 2021-22 Session) has been discussed and finalized. The Syllabi of Network Theory and Analog Communication have been revised. The same can be find out in Annexure-XII.</p>				
	S.No	Category	Subject Code	Subject Name	
	1	DC	140311/200311	Electronic Circuit Design	
	2		140319/200319	Digital Circuits and Systems	
	3		140318/200318	Network Theory	
	4		140320/200320	Analog Communication	
Item 16	<p>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 III Semester (for the batch admitted in 2021-22). <i>{(all traditional and emerging area programmes (IT-IoT, AIR, EE-IoT, MAC))}</i> The list of experiments/ Lab manual and skill based mini projects for various laboratory courses to be offered in III Semester has been discussed and finalized. The list can be find out in Annexure-XIII</p>				
	S.No	Category	Subject Code	Subject Name	
	1	DC	140311/200311	Electronic Circuit Design	
	2		140319/200319	Digital Circuits and Systems	
	3		140321/200321	Hardware Lab	
Item 17	<p>To propose the list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered (for batches admitted in 2021-22) in online mode under Self-Learning/ Presentation, in the III Semester <i>{(all traditional and emerging area programmes (IT-IoT, AIR, EE-IoT, MAC, AI&DS, AI& ML, CSD))}</i> The list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered (for batches admitted in 2021-22) in online mode under Self-Learning/ Presentation, in the III Semester has been discussed and finalized. The detailed about the courses can be find out in Annexure-XIV.</p>				
	S.No	Semester	Subject Category	Subject Name	Duration (weeks)
	1	III	Self Learning	C Programming and assembly language	04
	2			Fundamentals of Electronics Device Fabrication	04
	3			Python for Data Science	04
Item 18	<p>To review the Scheme & Syllabi, list of experiments and skill based mini projects of First semester of the B. Tech. programmes (for the batch 2022-23). <i>{(all traditional and emerging area programmes)}</i> The Syllabi, list of experiments and skill based mini projects of First semester of the B. Tech. programmes (for the batch 2022-23) has been finalized. The detailed list can be find out in Annexure-XV.</p>				
	S.No	Category	Subject Code	Subject Name	
	1	DLC	140111/200111	Electronic Workshop	



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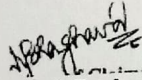
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
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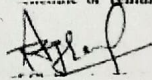
Item 19	<p>To review the CO attainments, to identify gaps and to suggest corrective measures for the improvement in the CO attainment levels for (i) I year November 2021 – February 2022 Semester (ii) July-December 2021 Session for II to IV year students</p> <p>The review of the CO attainments, gaps and corrective measures for the improvement in the CO attainment levels for (i) I year November 2021 – February 2022 Semester (ii) July-December 2021 Session for II to IV year students has been finalized as per the discussion with BOS members. Same can be find in Annexure-XVI.</p>
Item 20	<p>To review PO attainment of 2017-2021 batch, CO-PO mapping matrix with attainments and gap analysis</p> <p>The PO attainment of 2017-2021 batch, CO-PO mapping matrix with attainments and gap analysis has been discussed and finalized. Same can be find in Annexure-XVII.</p>
Item 21	<p>To review curricula feedback from various stakeholders, its analysis and impact</p> <p>{Stakeholder feedback analysis must also contain an Action Taken Report (ATR) and the details/data of the stakeholders who have responded through GOOGLE form (such as Name, organization, mail id, phone no., if available) must also be shared along with the feedback of the alumni/employer}</p> <p>Curricula feedback from various stakeholders include students, faculty, employer and alumni has been discussed and action taken report has been finalized. Same can be find in Annexure-XVIII.</p>
Item 22	<p>To review the Course Outcomes (COs) feedback of various courses, its analysis, and ATR</p> <p>The Course Outcomes (COs) feedback of various courses, its analysis, and ATR has been discussed and approved by BOS members. Same can be find in Annexure-XIX.</p>
Item 23	<p>Any other matter</p> <p>Expert list for viva-voce examination has been discussed and finalized. List can be find in Annexure-XX.</p>

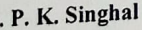
The following suggestions were provided by the external BOS members:

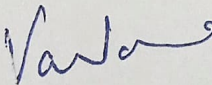
1. As per the suggestion given by external members, Skill based mini projects have been mapped with the bloom's taxonomy.
2. As suggested by the external member, the list of experiments of Electronic Workshop has been modified.

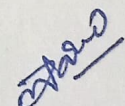

Dr. N. S. Raghava
Professor, DTU, New
Delhi
External Member

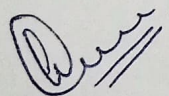

Dr. Alok Jain
Professor, SATI, Vidisha
RGPV Nominee

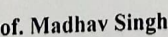

Mr. Pankaj Agrawal AE,
UPPCL, Bulandshehar
Alumni Member

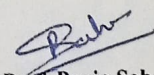

Dr. P. K. Singhal

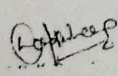

Dr. Vandana Vikas Thakare



Dr. R. P. Narwaria

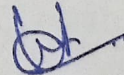

Dr. Karuna Markam


Prof. Madhav Singh


Prof. Pooja Sahoo


Prof D K Parsedia

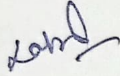

Dr. Sandeep Sharma


Dr. Vikas Mahor

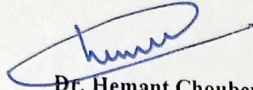
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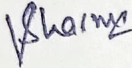
Dr. Rahul Dubey



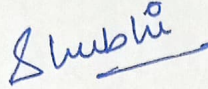
Dr. Hemant Choubey



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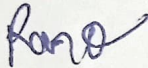


Dr. Varun Sharma

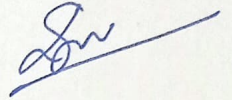


Dr. Shubhi Kansal

Dr. Sushmita Chaudhari



Dr. Dinesh Rano



Dr. Laxmi Shrivastava

Head of the Department