

Department of Electronics Engineering
Minutes of the online Board of studies meeting on 28-11-2020

Following members have attended the online meeting;

1.	Dr. Laxmi Shrivastava	Chairperson, Associate Professor and I/C Head
2.	Prof. Jyoti Singhai	RGPV nominee by Academic Council, Professor, MANIT, Bhopal
3.	Dr Alok Jain	V.C. Nominee, RGPV Professor, SATI, Vidisha
4.	Er. Gaurav Tripathi	Representative from industry/ corporate sector/ allied area External member, Sr. Enterprise Architect, HCL Technologies SEZ, Noida
5.	Er. Pankaj Agarwal	Alumni, External member, Assistant Engineer, UP Power Corporation Limited
6.	Prof. P. K. Singhal	Professor
7.	Dr. V. V. Thakare	Associate Professor
8.	Dr. R. P. Narwaria	Assistant Professor
9.	Dr. Karuna Markam	Assistant Professor
10.	Prof. Madhav Singh	Assistant Professor
11.	Prof. D. K. Parsediya	Assistant Professor
12.	All NPIU Faculty	Assistant Professor

Following external member could not attend the meeting:

1. Prof. N. S. Raghava, External Member, Professor, ECE Dept., DTU, Delhi

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:

Item 1:	To propose the list of courses which the students can opt from SWAYAM/NPTEL/MOOC Platform, to be offered in <i>online mode under Departmental Elective (DE) category</i> , for credit transfer in the <i>VIII Semester</i> (Batch admitted in 2017-18): applicable during January-June 2021 academic session							
	S.No	Category Code	Course Code	Name of The course	Duration of the Course in weeks	Course Registration		Name of the Mentor Faculty
						Start Date	End Date	
	Electronics Engineering							
	1.	DE	140851	Modern Digital Communication techniques	12	09-11-2020	25-01-2021	Awadhesh Gupta
	2.	DE	140852	Mathematical methods and techniques in Signal Processing	12	09-11-2020	25-01-2021	Dr Ashish Gupta
3.	DE	140853	Power Management Integrated Circuits	12	09-11-2020	25-01-2021	Dr Vikas Mahor	

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Item 2:	To propose the list of courses which the students can opt from SWAYAM/NPTEL/MOOC Platform to be offered (for students of other departments) in <i>online mode under Open Category(OC)</i> for credit transfer in the <i>VIII Semester (Batch admitted in 2017-18): applicable during January-June 2021 academic session</i>							
	S.No	Category Code	Course Code	Name of The course	Duration of the Course in weeks	Course Registration		Name of the Mentor Faculty
						Start Date	End Date	
	Electronics Engineering							
	1.	Open Category (OC-4)		An introduction to Information Theory	12	09-11-2020	25-01-2021	Dr Karuna Markam
	2.			Sensors and Actuators	12	09-11-2020	25-01-2021	Deepak Batham
	3.	Open Category (OC-5)		Electronics equipment integration and Prototype building	08	09-11-2020	25-01-2021	Arpita Singhal
4.			Computer Vision and Image Processing - Fundamentals and Applications	12	09-11-2020	25-01-2021	Shambhu Kumar	
Item 3:	To propose the list of “Additional Courses” which can be opted for getting an (i) <i>Honours (for students of the host department)</i> (ii) <i>Minor Specialization (for students of other departments)</i> <i>[These will be offered through SWAYAM/NPTEL/MOOC based Platforms for the VI semester (for the batch admitted in 2018-19)and for VIII semester students(for the batch admitted in 2017-18)]applicable during January-June 2021 academic session</i>							
	Category	Semester	Name of The course	Duration of the Course in weeks	Course Registration		Name of the Mentor Faculty	
					Start Date	End Date		
	Electronics Engineering (VI Semester)							
	Honours	VI	Electromagnetic Waves in Guided and Wireless Media	08	09-11-2020	15-02-2021	Pooja Sahoo	
		VI	Integrated Circuits, MOSFETs, Op-Amps and their Application	12	09-11-2020	25-01-2021	Rishabh Shukla	
		VI	High Power multilevel converter	12	09-11-2020	25-01-2021	Praveen K Singh	
	Minors	VI	Integrated Circuits, MOSFETs, Op-Amps and their Application	12	09-11-2020	25-01-2021	Rishabh Shukla	
		VI	High Power multilevel converter	12	09-11-2020	25-01-2021	Praveen K Singh	

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Electronics Engineering (VIII Semester)						
Honours	VIII	Architectural Design of Digital Integrated Circuits	12	09-11-2020	25-01-2021	Madhav Singh
	VIII	Cloud Computing and Distributed Systems	08	09-11-2020	25-01-2021	Arpita Singhal
	VIII	Biomedical Signal Processing	12	09-11-2020	25-01-2021	Awadhesh Gupta
Minors	VIII	Microwave Integrated Circuits	08	09-11-2020	25-01-2021	Santosh Sharma
	VIII	Digital Signal Processing and its Applications	12	09-11-2020	25-01-2021	Dr R Dubey
	VIII	Computer Vision and Image Processing - Fundamentals and Applications	12	09-11-2020	25-01-2021	Shambhu Kumar

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| Item 4: | To review and finalize the list and syllabi for all <i>Departmental Elective (DE) Courses</i> of <i>VI Semester to be offered to (the batch admitted in 2018-19)</i> under the flexible curriculum along with their COs ; { <i>applicable during January-June 2021 academic session</i> } |
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S.No	Category	Course Code	Course Name
1.	Departmental	140611	Optical Communication
2.	Electives	140612	Antenna and Wave Propagation
3.	(DE-1)	140613	Telecom Switching and Networks

For Syllabus, refer [Annexure I](#)

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| Item 5: | To review and finalize the list of Courses from SWAYAM/NPTEL/MOOC Platform to be offered <i>(for batch admitted in 2018-19)</i> in online mode under Departmental Elective (DE) Courses for credit transfer in the VI Semester <i>{applicable during January-June 2021 academic session}</i> |
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S.No	Category Code	Course Code	Name of The course	Duration of the Course in weeks	Course Registration		Name of the Mentor Faculty
					Start Date	End Date	
Electronics Engineering							
1.	Departmental Elective (DE-2)	140651	Spread Spectrum Communications and Jamming	12	09-11-2020	25-01-2021	Deep Kishore Parsedia
2.		140652	Digital IC Design	12	09-11-2020	25-01-2021	Dr Vikas Mahor
3.		140653	Fuzzy Sets, Logic and Systems & Application	12	09-11-2020	25-01-2021	Dr Vandana Vikas Thakare

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Item 6:	<p>To review and finalize the Courses & Syllabi to be offered (<i>for batch admitted in 2018-19</i>) under the Open Category (OC) Courses for VI semester students of other departments along with their COs.</p> <table><tr><th>S.No</th><th>Category</th><th>Course Code</th><th>Course Name</th></tr><tr><td>1.</td><td rowspan="2">Open Course (OC-1)</td><td>900104</td><td>Intelligent Control</td></tr><tr><td>2.</td><td>900105</td><td>Embedded Systems</td></tr></table> <p>For Syllabus, refer Annexure II</p>	S.No	Category	Course Code	Course Name	1.	Open Course (OC-1)	900104	Intelligent Control	2.	900105	Embedded Systems																			
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1.	Open Course (OC-1)	900104	Intelligent Control																												
2.		900105	Embedded Systems																												
Item 7:	<p>To review and finalize the <i>Courses & Syllabi</i> to be offered (<i>to the batch admitted in 2018-19</i>) under Departmental Core (DC) Courses for the IV&VI semester students along with their COs.</p> <table><tr><th>S.No</th><th>Category</th><th>Semester</th><th>Course Code</th><th>Course Name</th></tr><tr><td>1.</td><td rowspan="6">Departmental Core</td><td>IV</td><td>140401</td><td>Electronics-II</td></tr><tr><td>2.</td><td>IV</td><td>140402</td><td>Analog Communication</td></tr><tr><td>3.</td><td>IV</td><td>140403</td><td>Communication Networks</td></tr><tr><td>4.</td><td>IV</td><td>140404</td><td>Electronics Measurement and Instrumentation</td></tr><tr><td>5.</td><td>VI</td><td>140601</td><td>Microprocessor & Interfacing</td></tr><tr><td>6.</td><td>VI</td><td>140602</td><td>Digital Signal Processing</td></tr></table> <p>For Syllabus, refer Annexure III</p>	S.No	Category	Semester	Course Code	Course Name	1.	Departmental Core	IV	140401	Electronics-II	2.	IV	140402	Analog Communication	3.	IV	140403	Communication Networks	4.	IV	140404	Electronics Measurement and Instrumentation	5.	VI	140601	Microprocessor & Interfacing	6.	VI	140602	Digital Signal Processing
S.No	Category	Semester	Course Code	Course Name																											
1.	Departmental Core	IV	140401	Electronics-II																											
2.		IV	140402	Analog Communication																											
3.		IV	140403	Communication Networks																											
4.		IV	140404	Electronics Measurement and Instrumentation																											
5.		VI	140601	Microprocessor & Interfacing																											
6.		VI	140602	Digital Signal Processing																											
Item 8:	<p>To review and finalize the <i>Scheme & Syllabi (I & II semester) of the <u>NEW</u> B. Tech. programme(s)</i> to be started by the departments w.e.f. the batch admitted in 2020-21</p> <p>Scheme: Annexure IV Syllabus: Annexure V</p>																														
Item 12:	<p>To identify <i>gaps in CO attainment levels</i> for <i>Jan-June 2020 semester</i> and propose corrective measures for improvement</p> <p>Direct CO attainment: Annexure VI Gaps in CO attainment: Annexure VII</p>																														
Item 13:	<p>To prepare and propose the equivalence list of courses for B. Tech programmes (for 2017-18, 2018-2019, 2019-2020 & the 2020 admitted batch)</p> <p>List of Equivalence: Annexure VIII</p>																														
Item 14:	<p>Any other matter: Annexure IX</p>																														

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Prof. D K Parsedia

Prof. Pooja Sahoo

Prof. Madhav Singh

Dr. Karuna Markam

Dr. R. P. Narwaria

Dr. Vandana Vikas Thakare

Dr. P. K. Singhal

Er. Gaurav Tripathi

Er. Pankaj Agarwal

Dr. Alok Jain

(External member)

(External member)

(External member)



Dr. Jyoti Singhai

(External member)

Dr. Laxmi Shrivastava
Head of the Department