

Minutes of the online Board of studies meeting on 21-12-2021

Following members have attended the online meeting;

1.	Dr. Laxmi Shrivastava	Chairperson, Associate Professor and Head
2.	Prof. Jyoti Singhai	RGPV nominee by Academic Council, Professor, MANIT, Bhopal
3.	Dr N S Ragava	External Member, Professor, ECE Deptt., DTU, Delhi
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. Dr Alok Jain, V.C. Nominee, RGPV, Professor, SATI, Vidisha
2. Er. Gaurav Tripathi, Representative from industry/ corporate sector/ allied area
External member, Sr. Enterprise Architect, HCL Technologies SEZ, Noida

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:

BoS Agenda Items	
<u>Item</u> <u>1</u>	To propose the scheme structure of VIII Semester with the provision of Two Departmental Electives and one Open Category (OC) Course, to be offered in online mode with credit transfer for the batch admitted in 2018-19. The scheme structure for VIII Semester with the provision of two departmental electives has been discussed and finalised. Same can be find out in <u>Annexure-I(A)</u> , and <u>Annexure I(B)</u> .
<u>Item</u> <u>2</u>	To propose the list of courses which the students can opt from SWAYAM/NPTEL/ other MOOC Platforms/ Institution (MITS) MOOC, to be offered in online mode under Departmental Elective (DE) category , for credit transfer in the VIII Semester under the flexible curriculum (Batch admitted in 2018-19) Followings are the list of courses decided which the students can opt from SWAYAM/NPTEL/ other MOOC Platforms/ Institution (MITS) MOOC, to be offered in online mode under Departmental Elective (DE) category , for credit transfer in the VIII Semester under the flexible curriculum (Batch admitted in 2018-19)

Handwritten signatures and initials at the bottom of the page, including names like 'Sahab', 'Rup', 'Hemant', 'Vul', 'Batham', and 'Rano'.

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

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/Electronics & Telecommunication Engineering							
1	DE-5		Fundamental of power Electronics	12	12-11-2020	31-01-2021	Dr. Varun Sharma
2			Biomedical Signal Processing	12	12-11-2020	31-01-2021	Dr. Shubhi Kansal
3		140853/200853	Power Management Integrated Circuits	12	12-11-2020	31-01-2021	Dr. Vikas Mahor
4	DE-6		EEG Signal Processing	12			Dr. Hemant Choubey
5			Digital Filter Design	12			Dr. Rahul Dubey
6			Optical Networks	12			Dr. Deepak Batham

To propose the list of courses which the students can opt from SWAYAM/NPTEL/MOOC Platform, to be offered in **online mode from** SWAYAM/NPTEL/MITS MOOCs/ other MOOC Platforms) **under Open Category (OC)** Courses, for credit transfer in the **VIII Semester under** the flexible curriculum (Batch admitted in 2018-19)

Followings are list of courses which the students can opt from SWAYAM/NPTEL/MOOC Platform, to be offered in **online mode from** SWAYAM/NPTEL/MITS MOOCs/ other MOOC Platforms) **under Open Category (OC)** Courses, for credit transfer in the **VIII Semester under** the flexible curriculum (Batch admitted in 2018-19)

Item 3

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/Electronics & Telecommunication Engineering							
1	OC-4	900601	Linear Dynamical System	12	12-11-2020	31-01-2021	Dr Sandeep Sharma
2		900602	Sensors and Actuators	12	12-11-2020	31-01-2021	Dr Sushmita Chaudhary

To propose the course and syllabi of MITS MOOC Course along with the Course Outcomes for credit transfer in the **VIII Semester under** the flexible curriculum (Batch admitted in 2018-19)

Item 4

Course and Syllabus of MITS MOOCs has been discussed and finalised with the consent of external and Internal member of BOS. Same can be find out in Annexure-II.

S.No	Subject Code	Subject Name
1		Digital Filter Design
2		EEG Signal Processing
3		Optical Networks

Item 5

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)**

5

ADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

[These will be offered through SWAYAM/NPTEL/MOOC based Platforms for the VI semester (for the batch admitted in 2019-20) and for VIII semester students (for the batch admitted in 2018-19)]

Followings are the 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 VI semester (for the batch admitted in 2019-20) and for VIII semester students (for the batch admitted in 2018-19)]

Category	Semester	Name of The course	Duration of the Course in weeks	Course Registration		Name of the Mentor Faculty
				Start Date	End Date	
Electronics/Electronics & Telecommunication Engineering (VI Semester)						
Hons	VI	Electromagnetic Waves in Guided and Wireless Media	08	12 Nov 2021	21 Feb 2022	Dr. Dinesh Rano
	VI	Integrated Circuits, MOSFETs, Op-Amps and their Application	12	12 Nov 2021	31 Jan 2022	Prof. Madhav Singh
	VI	High Power multilevel converter	12	12 Nov 2021	31 Jan 2022	Dr. Vandana Vikas Thakare
Minors	VI	Integrated Circuits, MOSFETs, Op-Amps and their Application	12	12 Nov 2021	31 Jan 2022	Prof. Madhav Singh
	VI	High Power multilevel converter	12	12 Nov 2021	31 Jan 2022	Dr. Vandana Vikas Thakare
Electronics/Electronics & Telecommunication Engineering (VIII Semester)						
Hons	VIII	Architectural Design of Digital Integrated Circuits	12	12 Nov 2021	31 Jan 2022	Dr. Vikas Mahor
	VIII	Cloud Computing and Distributed Systems	08	12 Nov 2021	31 Jan 2022	Dr. Karuna Markam
Minors	VIII	Microwave Integrated Circuits	08	12 Nov 2021	31 Jan 2022	Prof. Deep Kishor Parsedia
	VIII	Signal Processing Techniques and its Applications	12	12 Nov 2021	31 Jan 2022	Prof. Pooja Sahoo
	VIII	Computer Vision and Image Processing - Fundamentals and Applications	12	12 Nov 2021	31 Jan 2022	Dr. Shubhi Kansal

To review and finalize the syllabi for all **Departmental Core (DC) Courses** of **VI Semester (for batches admitted in 2019-20)** under the flexible curriculum along with their COs

Item
6

Syllabi for all **Departmental Core (DC) Courses** of **VI Semester (for batches admitted in 2019-20)** under the flexible curriculum along with their COs has been discussed and finalized. Same can be find out in Annexure-III.

S.No	Subject Code	Subject Name
------	--------------	--------------

6

ADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

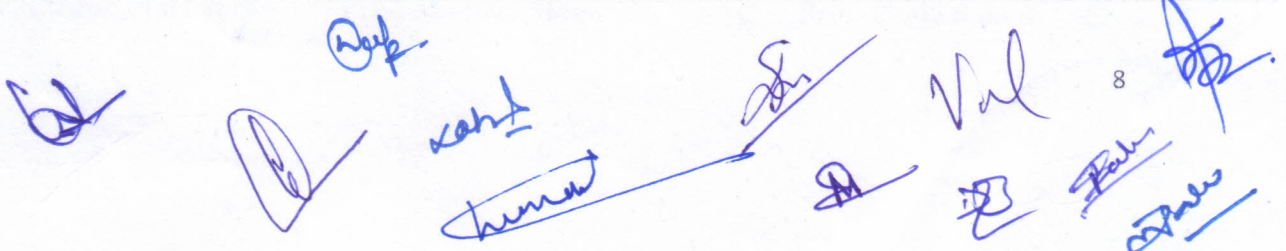
	1	140601	Microprocessor & Interfacing					
	2	140602/ 200601	Digital Signal Processing					
	3	200602	Data Communication					
Item 7	<p>To review and finalize the courses & syllabi to be offered (<i>for batches admitted in 2019-20</i>) under <i>Departmental Elective (DE) Courses</i> in the <i>VI Semester</i></p> <p>Courses & syllabi to be offered (<i>for batches admitted in 2019-20</i>) under <i>Departmental Elective (DE) Courses</i> in the <i>VI Semester</i> has been discussed and finalized with the consent of external and Internal BOS members. Same can be find out in ANNEXURE-IV.</p>							
	S.No	Subject Code	Subject Name					
	1	200611/ 140611	Optical Communication					
	2	200612 140612	Antenna & wave Propagation					
	3	200613/ 140613	Telecom Switching and Networks					
Item 8	<p>To propose the list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered (<i>for batches admitted in 2019-20</i>) in online mode under <i>Departmental Elective (DE) Courses</i> with credit transfer, in the <i>VI Semester</i></p> <p>The list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered (<i>for batches admitted in 2019-20</i>) in online mode under <i>Departmental Elective (DE) Courses</i> with credit transfer, in the <i>VI Semester</i> has been finalized.</p>							
	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/Electronics & Telecommunication Engineering							
	1	Departmental Elective (DE-2)	140651/200651	Spread Spectrum Communications and Jamming	12	12 Nov 2021	31 Jan 2022	Deep Kishore Parsedia
	2		140652/200652	Digital IC Design	12	12 Nov 2021	31 Jan 2022	Dr Vikas Mahor
	3		140653/200653	Fuzzy Sets, Logic and Systems & Applications	12	12 Nov 2021	31 Jan 2022	Dr Hemant Choubey
Item 9	<p>To review and finalize the courses & syllabi to be offered (<i>for batches admitted in 2019-20</i>) under the <i>Open Category (OC) Courses</i> (in traditional mode) for <i>VI semester</i> students of other departments along with their COs</p> <p>The courses & syllabi to be offered (<i>for batches admitted in 2019-20</i>) under the <i>Open Category (OC) Courses</i> (in traditional mode) for <i>VI semester</i> students of other departments along with their COs has been discussed and finalized. Same can be find out in ANNEXURE-V.</p>							
	S.No	Subject Code	Subject Name					
	1	900104	Intelligent Control					
	2	900105	Embedded Systems					
Item 10	<p>To review and finalize the Experiment list/ Lab manual for Laboratory Courses to be offered in VI semester (<i>for batches admitted in 2019-20</i>)</p> <p>The Experiment list/ Lab manual for Laboratory Courses to be offered in VI semester (<i>for batches admitted in 2019-20</i>) has been finalized. Same can be find out in ANNEXURE-VI.</p>							
	S.No	Subject Code	Subject Name					
	1	140601	Microprocessor and Interfacing					
	2	200601	Digital Signal Processing					
	3	140606/200606	Minor Project-I					

7

ADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

<u>Item</u> 11	To review and finalize the scheme and syllabi of B. Tech. IV Semester (for batches admitted in 2020-21) under the flexible curriculum along with their COs The scheme and syllabi of B. Tech. IV Semester (for batches admitted in 2020-21) under the flexible curriculum along with their COs has been discussed and finalized. Same can be find out in <u>ANNEXURE-VII</u> .															
<u>Item</u> 12	To review and finalize the Experiment list/ Lab manual for Laboratory Courses to be offered in IV <i>(for batch admitted in 2020-21)</i> The Experiment list/ Lab manual for Laboratory Courses to be offered in IV <i>(for batch admitted in 2020-21)</i> has been finalized. Same can be find out in <u>ANNEXURE-VIII</u> . <table border="1"><thead><tr><th>S.No</th><th>Subject Code</th><th>Subject Name</th></tr></thead><tbody><tr><td>1</td><td>140411/200411</td><td>Digital Circuits and Systems</td></tr><tr><td>2</td><td>140412/200412</td><td>Analog Integrated Circuits</td></tr><tr><td>3</td><td>140413/200413</td><td>Analog Communications</td></tr><tr><td>4</td><td>140415/200415</td><td>PCB Design Lab</td></tr></tbody></table>	S.No	Subject Code	Subject Name	1	140411/200411	Digital Circuits and Systems	2	140412/200412	Analog Integrated Circuits	3	140413/200413	Analog Communications	4	140415/200415	PCB Design Lab
S.No	Subject Code	Subject Name														
1	140411/200411	Digital Circuits and Systems														
2	140412/200412	Analog Integrated Circuits														
3	140413/200413	Analog Communications														
4	140415/200415	PCB Design Lab														
<u>Item</u> 13	To review and finalize the suggestive list of projects which can be assigned under the 'Skill based mini-project' category in various laboratory courses to be offered in Jan - June 2022 semester during IV Semester <i>(for the batch admitted in 2020-21)</i> . The list of projects which can be assigned under the 'Skill based mini-project' category in various laboratory courses to be offered in Jan - June 2022 semester during IV Semester <i>(for the batch admitted in 2020-21)</i> has been discussed and finalized. Same can be find out in <u>ANNEXURE-IX</u> .															
<u>Item</u> 14	To ratify the <i>Scheme & Syllabi, list of experiments and skill based mini projects of First semester of the newly started B. Tech. programmes in the emerging areas (AI & ML, AI & DS, CSD) (started from 2021-22 Session) {Applicable for the concerned departments}</i> NA															
<u>Item</u> 15	To ratify the <i>Scheme & Syllabi, list of experiments and skill based mini projects of First Semester B. Tech. programmes [admitted batch 2021-22 Session] (if any)</i> NA															
<u>Item</u> 16	To prepare and recommend the <i>Scheme & Syllabi (along with the Course Outcomes) of II semester of the newly started B. Tech. programmes in the emerging areas (AI & ML, AI & DS, CSD) (started from 2021-22 Session) {Applicable for the concerned departments}</i> NA															
<u>Item</u> 17	To prepare and recommend the list of experiments and skill based mini projects of <i>II semester of the newly started B. Tech. programmes in the emerging areas (AI & ML, AI & DS, CSD) (started from 2021-22 Session) {Applicable for the concerned departments}</i> NA															
<u>Item</u> 18	To review and finalize the <i>Scheme & Syllabi (along with the Course Outcomes) of II semester B. Tech. programmes (batch admitted 2021-22 Session)</i> The <i>Scheme & Syllabi (along with the Course Outcomes) of II semester B. Tech. programmes (batch admitted 2021-22 Session)</i> has been discussed and finalized. Same can be find out in <u>ANNEXURE-X(A)</u> , and <u>ANNEXURE-X(B)</u> .															
<u>Item</u> 19	To review and finalize the <i>list of experiments and skill based mini projects of II semester B. Tech. programmes (batch admitted 2021-22 Session)</i> The <i>list of experiments and skill based mini projects of II semester B. Tech. programmes (batch admitted 2021-22 Session)</i> has been reviewed and finalized with the consent of BOS members. Same can be find out in <u>ANNEXURE-XI</u> .															
<u>Item</u> 20	To propose the course "Economics Entrepreneurship & Management" and its syllabi along with the Course Outcomes (COs) for the V Semester B.Tech. (Batch admitted 2020-21 onwards). <i>{to be proposed and recommended by Management Department}</i> NA															



Item 21	To revise and recommend the course "Energy, Environment, Ecology & Society" and its syllabi along with the Course Outcomes (COs) for the III Semester B.Tech. (Batch admitted 2021-22 onwards). {inclusion of contents related to "Sustainability" is to be done} {to be proposed and recommended by the Civil Engineering Department} NA
Item 22	To propose a new course: Universal Human Values & Professional Ethics (HVPE) & its syllabi along with the Course Outcomes (COs), as Mandatory Course (MC) for the batch admitted in 2020-21 onwards {A portion on 'gender sensitization' also to be included in the syllabus of this course} {to be proposed and recommended by Humanities Department} NA
Item 23	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 April-September 2021 Semester (ii) January-June 2021 Session for II to IV year students CO attainment has been discussed and suggestion of experts has been taken into consideration. This can be find out in ANNEXURE-XII.
Item 24	To review curricula feedback from various stakeholders, its analysis and impact {Stakeholder feedback analysis must also contain an action taken report (ATR) and the details/data of the stakeholder who have responded through GOOGLE form (such as Name, organization, mail id, phone no if available) must also be shared along with the feedback for the alumni/employer.} Curricula feedback from various stakeholders, its analysis and impact has been reviewed. Same can be find out in ANNEXURE-XIII.
Item 25	To review Course Outcomes (COs) feedback of various courses, its analysis and impact. Course Outcomes (COs) feedback of various courses, its analysis and impact has been reviewed and same can be find out in ANNEXURE-XIV.
Item 26	Any other matter

During the meeting experts suggested the following points:

1. List of experiments for VI semester need to be revised. List has been revised accordingly,
2. List of skill based projects for IV and VI Sem has been updated as per the suggestions of external experts.
3. Suggestions of experts in the CO attainment has been taken into consideration.

Dr. P. K. Singhal

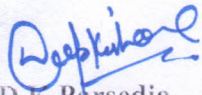
Dr. Vandana Vikas Thakare

Dr. R. P. Narwaria

Dr Karuna Markam

Prof. Madhav Singh

Prof. Pooja Sahoo



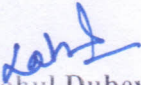
Prof. D K Parsedia



Dr. Sandeep Sharma



Dr. Vikas Mahor



Dr. Rahul Dubey



Dr. Hemant Choubey



Dr. Deepak Batham

Dr. Varun Sharma

Dr. Shubhi Kansal

Dr. Sushmita Chaudahry

Dr Dinesh Rano



Dr. Laxmi Shrivastava

HOD