

To,
Registrar Sir (99)

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23/9/21

Shri G. S. Institute of Technology and Science, Indore
Department of Electronics and Telecommunication Engineering

19th August, 2021

Minutes of the Board of Studies

The Board of Studies Meeting of Electronics and Telecommunication Engineering was held online due to the Covid-19 pandemic situation on 19th August, 2021 at 6:30 PM. Following members attended the meeting:

1.	Prof. Shekhar Sharma	Chairman & Head of the Dept.
2.	Prof. Vimal Bhatia, IIT, Indore	External Expert
3.	Prof. Vibha Vyas, CoE, Pune	External Expert
4.	Mr. Manish Joshi, Scientech, Indore	External Expert from Industry
5.	Prof. (Mrs.) S.V. Charhate,	Member
6.	Prof. (Mrs.) Anjana Jain,	Member
7.	Dr. (Mrs.) Anjulata Yadav	Member
8.	Dr. S. K. Jain	Member
9.	Dr. L. D. Malviya	Member
10.	Dr. (Mrs.) Preeti Trivedi	Member
11.	Mr. Manish Panchal	Member
12.	Mr. Amit Naik	Member
13.	Mrs. Rekha Jain	Member
14.	Mrs. Jaya Dipti Lal	Member
15.	Mr. Ashwin Shrivastava	Member
16.	Mr. Ajay Parmar	Member

The following points are discussed and resolved in the meeting:

1. The scheme of examination of **B.Tech. (Electronics and Telecommunication Engg.)** is changed. The scheme of **M.E. (Electronics and Communication Engg.)** is unchanged. However, **M.E. (Electronics and Communication Engg.)** is proposed to be as **M.Tech. (Electronics and Communication Engg.)**
2. The following Mandatory (audit) courses are to be offered by other departments to the students of B.Tech. in the semesters as shown in the table below:

Sr. No.	Name of the Department	Subject	Year (Sem.)	Semester	Applicable from
1.	Chemistry	Environmental Science	2 nd (A)	3 rd	2022-23
2.	Humanities and Social Sciences	Constitution of India	2 nd (B)	4 th	2023-23
3.	Humanities and Social Sciences	Essence of Indian Traditional Knowledge	3 rd (A)	5 th	2023-24

Behave
Chairman & Head of the
Professor & Head
Deptt. of Electronics & Telecommunication Engg.
S. S. S. S. S.

Shri G.S. Institute of Technology & Science
Scheme of Examination (Applicable form 2021 onwards)
Bachelor of Technology in Electronics and Telecommunication Engineering

(100)

Semester: I

S. No.	Subject Code	Category	Subject Name	Hours /Week						Maximum Marks allotted						Total			
				Theory			Practical			Theory			Practical			Total Marks	Credits		
				L	T	P	Th	CW	SW	Pr.	Th	CW	SW	Pr.	T		P		
1	MA 10001	BSC	Mathematics - I	3	1	0	70	30	0	0	100	4	0	4					
2	PH 10005	BSC	Physics	3	1	2	70	30	20	150	4	1	5						
3	CE 10003	ESC	Fundamentals of Civil Engineering & Applied Mechanics	3	0	2	70	30	20	150	3	1	4						
4	ME 10149	ESC	Engineering Graphics	2	0	4	70	30	40	200	2	2	4						
5	EE 10005	ESC	Fundamentals of Electrical Engineering	3	0	2	70	30	20	150	3	1	4						
6	HU	MC	Induction Program	14	2	10	350	150	100	150	750	16	5	21					
				3 Weeks in the beginning of I Year															

Semester: II

S. No.	Subject Code	Category	Subject Name	Hours /Week						Maximum Marks allotted						Total			
				Theory			Practical			Theory			Practical			Total Marks	Credits		
				L	T	P	Th	CW	SW	Pr.	Th	CW	SW	Pr.	T		P		
1	MA 10501	BSC	Mathematics - II	3	1	0	70	30	0	0	100	4	0	4					
2	CH 10506	BSC	Chemistry	3	1	2	70	30	20	150	4	1	5						
3	HU 10651	HSMC	Technical English	3	0	2	70	30	20	150	3	1	4						
4	CO 10504	FS	Computer Programming	3	0	2	70	30	20	150	3	1	4						
5	ME 10650	ESC	Fundamentals of Mechanical Engineering	3	0	2	70	30	20	150	3	1	4						
6	IP10581	ESC	Manufacturing Practices	0	1	4	0	0	40	60	100	0	3	3					
7	HU	MC	Induction Program	15	3	12	350	150	120	180	800	17	7	24					
				3 Weeks in the beginning of I Year															

Scheme

Shri G.S. Institute of Technology & Science
Scheme of Examination (Applicable from 2022-23)
Bachelor of Technology in Electronics and Telecommunication Engineering

Semester: III

S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted			Total			
				L	T	P	Th.	CW	SW	Pr.	Marks	Credits	
1	MA25014	BSC	Mathematics-III	3	1	-	70	30	0	0	100	4	
2	EC25016	PCC	Electronics Devices	3	-	2	70	30	40	60	200	3	
3	EC25017	PCC	Signals and Systems	3	-	-	70	30	0	0	100	3	
4	EE 25004	PCC	Network Theory & Analysis	3	-	2	70	30	40	60	200	3	
5	EC25018	PCC	Digital System Design	3	-	2	70	30	40	60	200	3	
6	HU25005	HSMC	Economics for Engineers	3	-	-	70	30	0	0	100	3	
7	CH25--	MC	Environmental Science										
Total				18	1	6	420	180	120	180	900	19	3

Semester: IV

S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted			Total			
				L	T	P	Th.	CW	SW	Pr.	Marks	Credits	
1	MA25563	BSC	Mathematics-IV	3	1	-	70	30	0	0	100	4	
2	EC25564	PCC	Electromagnetic Waves	3	-	-	70	30	0	0	100	3	
3	EC25565	PCC	Analog Circuits	3	-	2	70	30	40	60	200	3	
4	EC25566	BSC	Probability Theory and Stochastic Processes	3	-	-	70	30	0	0	100	3	
5	EC25567	PCC	Analog and Digital Communication	3	-	2	70	30	40	60	200	3	
6	EC25568	ESC	Electronics Workshop	-	-	4	0	0	40	60	100	-	
7	HU25881	HSMC	Values, Humanities and professional ethics	-	3	-	-	100	-	-	100	2	
8	HU25--	MC	Constitution of India	-	-	-	-	-	-	-	-	-	
Total				15	4	8	420	250	120	180	900	18	4

Internship: 1

2-4 Weeks

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Shri G.S. Institute of Technology & Science
Scheme of Examination (Applicable from 2022-23)
Bachelor of Technology in Electronics and Telecommunication Engineering

Semester: III

S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted			Total				
				L	T	P	Theory		Practical	Marks	Credits			
							Th.	CW			SW	Pr.	T	P
1	MA25014	BSC	Mathematics-III	3	1	-	70	30	0	0	100	4	-	4
2	EC25016	PCC	Electronics Devices	3	-	2	70	30	40	60	200	3	1	4
3	EC25017	PCC	Signals and Systems	3	-	-	70	30	0	0	100	3	-	3
4	EE 25004	PCC	Network Theory & Analysis	3	-	2	70	30	40	60	200	3	1	4
5	EC25018	PCC	Digital System Design	3	-	2	70	30	40	60	200	3	1	4
6	HU25005	HSMC	Economics for Engineers	3	-	-	70	30	0	0	100	3	-	3
7	CH25--	MC	Environmental Science											
Total				18	1	6	420	180	120	180	900	19	3	22

Semester: IV

S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted			Total				
				L	T	P	Theory		Practical	Marks	Credits			
							Th.	CW			SW	Pr.	T	P
1	MA25563	BSC	Mathematics-IV	3	1	-	70	30	0	0	100	4	-	4
2	EC25564	PCC	Electromagnetic Waves	3	-	-	70	30	0	0	100	3	-	3
3	EC25565	PCC	Analog Circuits	3	-	2	70	30	40	60	200	3	1	4
4	EC25566	BSC	Probability Theory and Stochastic Processes	3	-	-	70	30	0	0	100	3	-	3
5	EC25567	PCC	Analog and Digital Communication	3	-	2	70	30	40	60	200	3	1	4
6	EC25568	BSC	Electronics Workshop	-	-	4	0	0	40	60	100	-	2	2
7	HU25881	HSMC	Values, Humanities and professional ethics	-	3	-	-	100	-	-	100	2	0	2
8	HU25--	MC	Constitution of India	-	-	-	-	-	-	-	-	-	-	-
Total				15	4	8	420	250	120	180	900	18	4	22

Internship 1

2-4 Weeks

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Shri G.S. Institute of Technology & Science
Scheme of Examination (Applicable from 2023-24)
Bachelor of Technology in Electronics and Telecommunication Engineering

Semester: V

S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted					Total Marks		Credits		Total Credits
				L	T	P	Theory		Practical		Pr	T	P			
							Th.	CW	SW							
1	EC35008	PCC	Microprocessors and Microcontrollers	3	-	2	70	30		40	60	200	3	1	4	
2	EC35009	PCC	Antenna and Wave Propagation	3	-	2	70	30		40	60	200	3	1	4	
3	EC35010	PCC	VLSI Design	3	-	2	70	30		40	60	200	3	1	4	
4	EC35011	PGC	Data communication	3	-	-	70	30		0	0	100	3	-	3	
5	EC/CO	PEC-1	Program Elective (PEC-1)	3	-	2	70	30		40	60	200	3	1	4	
6	EC35481	MC	Evaluation of Internship-1	-	-	-	0	0		100	0	100	-	2	2	
7	HU35		Essence of Indian Traditional Knowledge													
			Total	15	0	14	350	150		260	240	1000	15	6	21	

Semester:VI

S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted					Total Marks		Credits		Total Credits
				L	T	P	Theory		Practical		Pr	T	P			
							Th.	CW	SW							
1	EE35510	PCC	Control Systems	3	-	-	70	30		0	0	100	3	1	3	
2	EC35511	PCC	Mobile Communication	3	-	-	70	30		0	0	100	3	-	3	
3	EC35513	PCC	Computer Networks	3	-	2	70	30		40	60	200	3	1	4	
4	EC35514	PCC	Applied Digital Signal Processing	3	-	2	70	30		40	60	200	3	1	4	
5		PEC-2	Program Elective (PEC-2)	3	-	2	70	30		40	60	200	3	1	4	
6	EC35881	ESC	Electronics design & Simulation	-	-	4	0	0		40	60	100	-	2	2	
			Total	15	0	10	350	150		160	240	900	15	5	20	

Internship 2 **2-4 Weeks**

S. No.	Subject Code	PEC 1
1	EC35251	Data Structure & Operating system
2	EC35252	Electronics Measurement

PEC --> Can be replaced by Moocs/Swayam Course in consultation with Mentor/Faculty Advisor

S. No.	Subject Code	PEC 2
1	EC35001	Embedded Systems
2	IT35002	Intelligent systems

S. Sharma

Shri G.S. Institute of Technology & Science
Scheme of Examination (Applicable from 2024-25)

Bachelor of Engineering in Electronics and Telecommunication Engineering

Semester-VII																	
S. No.	Subject Code	Category	Subject Name	Hours /Week							Maximum Marks allotted			Total Marks	Credits	Total Credits	
				L	T	P	Th.	CW	SW	Pr.	Theory	Practical					
1	EC45009	PCC	Wireless and Mobile Networks	3	-	-	70	30	0	0	100	3	-	3			
2		PEC-3	Program Elective (PEC-3)	3	-	2	70	30	40	60	200	3	1	4			
3		PEC-4	Program Elective (PEC-4)	3	-	-	70	30	0	0	100	3	-	3			
4		OEC-1	Open Elective (OEC-1)	3	-	-	70	30	0	0	100	3	-	3			
5	IP45010	HSMC	Industrial Engineering and Management	3	-	-	70	30	0	0	100	3	-	3			
6	EC45481		Evaluation of Internship-2	-	-	6	0	0	40	60	100	-	2	2			
7	EC45498		Major Project Phase -I (AB group)	-	-	8	0	0	40	60	100	-	4	4			
8	EC45998		Major Project Phase -II (BA group)	-	-	8	0	0	100	0	100	-	4	4			
Total				15	0	16	350	150	180	180	120	800	15	7	22		
For AB Group				15	0	16	350	150	180	180	120	800	15	7	22		
For BA Group																	

Internship 3 4-8 Weeks

Semester-VIII																	
S. No.	Subject Code	Category	Subject Name	Hours /Week							Maximum Marks allotted			Total Marks	Credits	Total Credits	
				L	T	P	Th.	CW	SW	Pr.	Theory	Practical					
1		PEC-5	Program Elective (PEC-5)	3	0	0	70	30	0	0	100	3	0	3			
2		OEC-2	Open Elective (OEC-2)	3	0	0	70	30	0	0	100	3	0	3			
3	EC45882		Evaluation of Internship-3	0	0	8	0	0	40	0	40	0	4	4			
4	EC45998	PROJ	Major Project Stage II (AB GROUP)	0	0	8	0	0	100	60	160	0	4	4			
5	EC45498	PROJ	Major Project Stage I (BA GROUP)	0	0	8	0	0	100	60	160	0	4	4			
Total				6	0	16	140	60	140	60	400	6	4	10			
For AB Group				6	0	16	140	60	140	60	400	6	4	10			
For BA Group																	

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S. No.	Subject Code	PEC 3	S. No.	Subject Code	PEC 4
1	EC45207	Microwave Device and Circuits	1	CO45251	Data Science
2	EC45208	Optical Communication	2	EI45252	VLSI Technology
			3	BM45253	Digital Image Processing
					Moocs/Swayam Online Courses
S. No.	Subject Code	PEC 5			
1	EE	Industrial and Power Electronics			
2	EC	Optical Networks			
3		Mooc/ Swayam Online Courses			

*OEC/PEC → Can be replaced by Moocs/Swayam Course in consultation with mentor

S. No.	Subject Code	OEC 1	S. No.	Subject Code	OEC 2
1	EC45301	Internet of Things	1	EC	Satellite and Radar Communication
2	EC45302	Advanced Digital Signal Processing	2	EC	Game Theory in Wireless Communication
3		Moocs/Swayam Online Courses	3	EC	Introduction to Cryptography
			4		Moocs/ Swayam Online Courses

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11/2/2021

Shri G. S. Institute of Technology and Science, Indore

Department of Electronics and Telecommunication Engineering8th February, 2021**Minutes of the Board of Studies**

The Board of Studies Meeting of Electronics and Telecommunication Engineering was held online due to the Covid-19 pandemic situation on 8th February 2021 at 6:30 PM. Following members attended the meeting.

1.	Prof. Shekhar Sharma	Chairman & Head of the Dept.
2.	Prof. Vimal Bhatia, IIT, Indore	External Expert
3.	Prof. Vibha Vyas, CoE, Pune	External Expert
4.	Mr. Manish Joshi, Scientech, Indore	External Expert from Industry
5.	Prof. (Mrs.) S.V. Charhate,	Member
6.	Prof. (Mrs.) Anjana Jain,	Member
7.	Dr. (Mrs.) Anjulata Yadav	Member
8.	Dr. S. K. Jain	Member
9.	Dr. L. D. Malviya	Member
10.	Dr. (Mrs.) Preeti Trivedi	Member
11.	Mr. Manish Panchal	Member
12.	Mr. Amit Naik	Member
13.	Mrs. Rekha Jain	Member
14.	Mrs. Jaya Dipti Lal	Member
15.	Mr. Ashwin Shrivastava	Member
16.	Mr. Ajay Parmar	Member

The following points are discussed and resolved in the meeting:

1. The scheme of examination of 2nd year B.Tech. (Electronics and Telecommunication Engg.) is unchanged. The scheme of examination for 3rd year and 4th year B. Tech. (Electronics and Telecommunication Engg.) are changed. The scheme of M. E. (Electronics and Communication Engg.) was revised as per AICTE scheme and was approved in the previous Academic Council and is therefore unchanged. New syllabus of the following subject was approved:

CLASS	SEM.	CATEGORY	SUBJECT CODE AND NAME OF THE SUBJECT
B.TECH. 4 th year	B	PEC 5	EC 45... : OPTICAL NETWORKS

2. Following changes are made in the schemes of 3rd year semester B:

The subjects enlisted in Program Elective-2 (PEC-2) had no labs earlier to following subjects, now the labs are also added for these subjects in the set. These changes will be applicable from academic year 2021-22.

- (i) "Embedded Systems"
- (ii) "Intelligent Systems"

3. Following changes are made in the scheme of 4th year Semester A:

A core subject (PCC), "Microwave Devices and Circuits", is converted to P. Further, "Optical Communication" of earlier PEC-4 is now shifted to 3. Program Elective (PEC-3) in the schemes of Semester A of 4th year to following subjects:

- (i) "Microwave Devices and Circuits"
- (ii) "Optical Communication"

Applicable since when?

4. Following changes are made in the scheme of 4th year Semester B:

Program elective PEC-4 of Semester B of 4th year is now converted to PEC-5. subject "Optical Network" is added in the list of this Program Elective II. Now PEC-4 has following subjects:

- (i) Data Science
- (ii) VLSI Technology
- (iii) Digital Image Processing

Applicable since when?

This Program Elective (PEC-5) does not have any lab. PEC-5 has following subjects:

- (i) Industrial and Power electronics
- (ii) Optical Networks

5. For the new scheme of M.E. (Electronics and Communication), as implemented from the academic year 2020-21, the need of remedial is recommended for the students who need it.

6. The subject EC 24559 "Analog and Digital communication" of II year B Computer science and engineering, is now approved to be changed as "communication", as requested by the department.

Advise by members

1) Scheme copy is to be attached

Since change in syllabus / labs are the

2 Copy of syllabus is to be attached strictly to be submitted

[Signature]
Chairman,
Board of Studies
Electronics and Telecom. Eng.