

(73) <sup>178</sup>  
6/6/19

# Shri G. S. Institute of Technology and Science, INDORE

DEPT. OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Dt. 1/6/2019

## Minutes of the Board of Studies

The Board of Studies meeting of Electronics and Telecomm. Engg. was held in the department on 28/5/2019 at 11:30 AM, "To discuss the UG and PG syllabi and scheme as per AICTE" and other item with the permission of the Chair.

### The following members attended the meeting:

- |     |  |                              |
|-----|--|------------------------------|
| 1.  | Prof. Shekhar Sharma                           | Chairman & Head of the Dept. |
| 2.  | Prof. S.P. Mahajan, External member CoEP, Pune | External Expert (invitee)    |
| 3.  | Prof. (Mrs.) S.V. Charhate                     | Member,                      |
| 4.  | Dr. (Mrs.) Anjana Jain                         | Member                       |
| 5.  | Dr. S. K. Jain                                 | Member                       |
| 6.  | Dr. (Mrs.) Preeti Trivedi                      | Member                       |
| 7.  | Mr. Manish Panchal                             | Member                       |
| 8.  | Mr. Amit Naik                                  | Member                       |
| 9.  | Mr. Ashwin Shrivastava                         | Member                       |
| 10. | Mr. Ajay Parmar                                | Member                       |

### Invitee Faculty Members:

- |    |                         |                |
|----|-------------------------|----------------|
| 1. | Dr. P.D. Vyavahare      | Invitee member |
| 2. | Mr. Aditya Nalwaya      | Invitee member |
| 3. | Ms. Vaishali Naik       | Invitee member |
| 4. | Mr. Shubham Shrivastava | Invitee member |
| 5. | Mr. Gopikrishnan G.     | Invitee member |
| 6. | Ms. Ritika Nair         | Invitee member |
| 7. | Ms. Deepali Kothari     | Invitee member |
| 8. | Mr. Mohit Khamele       | Invitee member |


### Following members could not attend the meeting.

- |    |                              |                                 |
|----|------------------------------|---------------------------------|
| 1. | Mr. Purushottam Shrivastava, | External member, RRCAT, Indore. |
| 2. | Prof. (Mrs.) Jyoti Singhai   | External member, MANIT Bhopal.  |
| 3. | Prof. (Mrs.) Anjulta Yadav   | Member                          |
| 4. | Mrs. Jayadipti Lal           | Member                          |

### The following points are discussed in the meeting:

- and approved*
- The scheme of examination for II year, III year and IV year (Electronics and Telecomm. Engg.) is changed as per the scheme suggested by AICTE, and approved.
  - The new scheme of examination for II year, III year and IV year (Electronics and Telecomm. Engg.) is applicable for the students who are admitted in B.E. I year in 2018-19 or later.
  - The syllabus of new subjects are reviewed and approved, for II year (Electronics and Telecomm.) Engg. are enclosed.
  - The scheme of M.E. (Electronics and Telecommunication) is unchanged. The eligibility criterion for admission to P.G. (Electronics and Telecomm. Engg.) is discussed and modified from the academic session 2019-20 as follows:

B.E. (1) Electronics and Telecomm. (2) Electronics and Communication (3) Computer Science Engg. (4) Electronics Engineering (5) Electronics and Instrumentation Engineering.

  
Dr. Shekhar Sharma  
Chairman, BOS  
Elx. & TC

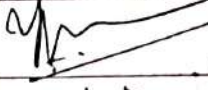

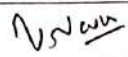
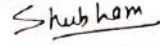

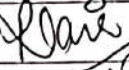
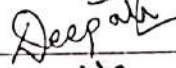

ATTENDANCE BOARD OF STUDIES MEETING

The following faculty members have attended the Departmental Board meeting held on 28/5/2019 at 11:30 AM, "To discuss the UG and PG syllabi and schemes and any other item with the permission of the Chair.

*Sharma*  
Dr. Shekhar Sharma  
Chairman & HOD  
Elx. & Telecomm. E

Sr. No.	Prof./Dr./Mrs./Ms/Shri	Signature
1.	Mr. Purushottam Shrivastava, External member, RRCAT, Indore	— Absent —
2.	Prof. (Ms.) Jyoti Singhai, External member MANIT, Bhopal	— Absent —
3.	Prof. S.P. Mahajan, External member, COEP, Pune	<i>S.P. Mahajan</i>
4.	Dr. Shekhar Sharma, Chairman, BOS	<i>Sharma</i>
5.	Mrs. S.V. Charhate, Member	<i>S.V. Charhate</i>
6.	Dr. (Mrs.) Anjana Jain, Member	<i>A. Jain</i>
7.	Mrs. Anjulata Yadav, Member	— Absent —
8.	Dr. S.K. Jain, Member	<i>S.K. Jain</i>
9.	Dr. L.D. Malviya, Member	<i>L.D. Malviya</i>
10.	Dr. (Mrs.) Preeti Trivedi, Member	<i>P. Trivedi</i>
11.	Mr. Manish Panchal, Member	<i>M. Panchal</i>
12.	Mr. Amit Naik, Member	<i>Amit Naik</i>
13.	Mrs. Jaya Diptilal, Member	— Absent —
14.	Mr. Ashwin Shrivastava, Member	<i>A. Shrivastava</i>
15.	Mr. Ajay Parmar, Member	<i>A. Parmar</i>

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Invitee Faculty Members		Signature
1.	Dr. P.D. Vyavahare	
2.	Mr. Aditya Nalwaya	
3.	Ms. Vaishali Naik	
4.	Mr. Shubham Shrivastava	
5.	Mr. Gopikrishnan G.	
6.	Ms. Ritika nair	
7.	Ms. Deepali Kothari	
8.	Mr. Mohit Khamele	

**Shri G.S. Institute of Technology & Science**  
**Scheme of Examination (Applicable form 2018-19)**  
**Bachelor of Engineering in Electronics and Telecommunication Engineering**

**Semester: I**

S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted			Credits			Total Credits
				L	T	P	Th.	CW	Pr.	SW	Pr.	T	
1	MA 10001	BSC	Mathematics - I	3	1	0	70	30	0	0	4	0	4
2	PH 10006	BSC	Physics	3	0	2	70	30	20	30	3	1	4
3	CE 10003	ESC	Fundamentals of Civil Engineering & Applied Mechanics	3	0	2	70	30	20	30	3	1	4
4	ME 10149	ESC	Engineering Graphics	2	0	4	70	30	40	60	2	2	4
5	EE 10005	ESC	Fundamentals of Electrical Engineering	3	0	2	70	30	20	30	3	1	4
6	CH 10200*	MC	Environmental Science(Audit Only)	-	-	-	-	-	-	-	-	-	-
<b>Total</b>				<b>14</b>	<b>1</b>	<b>10</b>	<b>350</b>	<b>150</b>	<b>100</b>	<b>150</b>	<b>15</b>	<b>5</b>	<b>20</b>

Induction program of 3 week duration in July-Aug 2018

**Semester: II**

S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted			Credits			Total Credits
				L	T	P	Th.	CW	Pr.	SW	Pr.	T	
1	MA 10501	BSC	Mathematics - II	3	1	0	70	30	0	0	4	0	4
2	CH 10506	BSC	Chemistry	3	0	2	70	30	20	30	3	1	4
3	HU 10651	HSMC	Technical English	3	0	2	70	30	20	30	3	1	4
4	CO 10504	ESC	Computer Programming	3	0	2	70	30	40	60	3	1	4
5	ME 10649	ESC	Fundamentals of Mechanical	3	0	2	70	30	20	30	3	1	4
6	IP10581	ESC	Manufacturing Practices	0	1	4	0	0	40	60	0	3	3
7	HU10700*	MC	Universal Human Values	-	-	-	-	-	-	-	-	-	-
<b>Total</b>				<b>15</b>	<b>2</b>	<b>12</b>	<b>350</b>	<b>150</b>	<b>140</b>	<b>210</b>	<b>16</b>	<b>7</b>	<b>23</b>



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S. No.	Subject Code	Category	Subject Name	Periods /Week			Maximum Marks allotted			Credits		Total Credits	
				L	T	P	Th.	CW	SW	Pr.	T		P
1	EC	PCC	Analog and Digital Communication	4	-	2	70	30	40	60	3	1	4
2	EC	PCC	Antenna and Wave Propagation	4	-	2	70	30	40	60	3	1	4
3	EC	PCC	VLSI Design	4	-	2	70	30	40	60	3	1	4
4	CO	PCC	Data structure	4	-	-	70	30	-	-	3	-	3
5		OEC-1	Open Elective - 1	4	-	-	70	30	-	-	3	-	3
6		<del>S44</del>	<del>Seminar/Industrial Training/Internship</del>	-	-	6	-	-	100	-	-	3	3
7	EC	ESC	Software Workshop	-	-	2	-	-	40	60	-	1	1
			<b>Total</b>	<b>20</b>	<b>0</b>	<b>14</b>	<b>350</b>	<b>150</b>	<b>260</b>	<b>240</b>	<b>15</b>	<b>7</b>	<b>22</b>

Optional Subject :-

OEC-1 1. Computer architecture and organization (CO \_\_\_ ) 2. Mathematical Techniques for communication systems (MA \_\_\_ )  
 \*OEC --> Can be replaced by Moocs/Swayam Course in consultation with mentor

Semester: VI

S. No.	Subject Code	Category	Subject Name	Periods /Week			Maximum Marks allotted			Credits		Total Credits	
				L	T	P	Th.	CW	SW	Pr.	T		P
1	EE	PCC	Control Systems	4	-	-	70	30	-	-	3	-	3
2	EC	PCC	Computer Networks	4	-	2	70	30	40	60	3	1	4
3	EC	PCC	Electronic Measurements	4	-	2	70	30	40	60	3	1	4
4	EC	PCC	Digital Signal Processing	4	-	2	70	30	40	60	3	1	4
5		PROJ	Mini Project	-	-	4	-	-	40	60	-	2	2
6		PEC-1	Program Elective (PEC-1)	4	-	2	70	30	-	-	3	1	4
7		OEC-2	Open Elective (OEC-2)	4	-	-	70	30	-	-	3	-	3
			<b>Total</b>	<b>24</b>	<b>0</b>	<b>12</b>	<b>420</b>	<b>180</b>	<b>160</b>	<b>240</b>	<b>18</b>	<b>6</b>	<b>24</b>

Optional Subject :-

PEC-1 1. Microwave Theory and Techniques (EC \_\_\_ ) 2. Digital Image Processing (BM \_\_\_ )  
 OEC2 1. Artificial Intelligence (IT \_\_\_ ) 2. Information theory and coding (EC \_\_\_ )  
 \*OEC/PEC --> Can be replaced by Moocs/Swayam Course in consultation with mentor / \* faculty advisor  
 NOTE: Internship of 4-8 weeks is to be completed during the summer vacations.

Industrial Training of 2 weeks  
 Internship of 4-8 weeks

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Shri G.S. Institute of Technology & Science  
Scheme of Examination (Applicable from 2021-22)  
Bachelor of Engineering in Electronics and Telecommunication Engineering

Semester-VII

S. No.	Subject Code	Category	Subject Name	Periods /Week			Maximum Marks allotted			Credits		Total	
				L	T	P	Th.	CW	SW	Pr.	T		P
1	EC	PCC	Mobile Communication	4	-	-	70	30	-	-	3	-	3
2		PEC-3/2		4	-	-	70	30	40	60	3	-	3
3		PEC-4/3		4	-	-	70	30	40	60	3	-	3
4		PEC-3/3	Industrial Training	4	-	-	70	30	-	-	3	-	3
5		PROJ	Project Stage I (AB Group)	-	-	6	-	-	40	60	-	-	2
6		PROJ	Project Stage II (BA Group)	-	-	8	-	-	40	60	-	4	4
7		PROJ	Project Stage II (BA Group)	-	-	8	-	-	40	60	-	4	4
8		HSMC	Industrial Engineering and Management	4	-	-	70	-	100	-	3	-	3
			Total (AB / BA Group)	20	0	14	350	120	300	300	15	6	21

PEC-3:- 1. Operating System (CO) ) 2. Speech and Audio Processing (TC) )

PEC-4:- 1. VLSI Technology (EI) ) 2. Power Electronics (EE) )

PEC-3:- 1. Modern Digital Communication Techniques (EC) ) 2. Machine Learning (IT) )

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Semester- VIII

S. No.	Subject Code	Category	Subject Name	Periods /Week			Maximum Marks allotted			Credits		Total	
				L	T	P	Th.	CW	SW	Pr.	T		P
1		PEC-5	Industrial Training	4	-	-	70	30	40	60	3	-	3+1
2		PEC-6	Industrial Training	4	-	-	70	30	-	-	3	-	3
3		PEC-4	Industrial Training	4	-	-	70	30	40	60	3	-	3+1
4		PEC-5	Industrial Training	4	-	-	70	30	40	60	3	-	3+1
5		PROJ	Project Stage I (BA GROUP)	-	-	8	-	-	40	60	-	4	4
6		PROJ	Project Stage II (AB GROUP)	-	-	8	-	-	40	60	-	4	4
			Total (AB / BA Group)	16	0	8	280	120	160	240	12	8	16

PEC-5:- 1. Embedded System (EC) ) 2. Error correcting codes (EC) )

PEC-6:- 1. Biomedical Electronics (BM) ) 2. Internet of Things (IT) )

PEC-4:- 1. Wireless Networks (EC) ) 2. Data science (CO) )

PEC-5:- 1. Satellite Communication (EC) ) 2. Cryptography and e-Security (EC) )

PEC-6:- 1. Satellite Communication (EC) ) 2. Cryptography and e-Security (EC) )

Periods /Week Maximum Marks allotted

4 Internship  
3/4 DEC/DEC  
3/4 PEC/OFC  
4 Proj  
14/16

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	(Arts)	(Management/ Social Science)	(Management/ Social Science including management courses)	(Professional Core Course)	(Professional Elective Course)	(Open Category)	(Lab Course)	(Seminar Course)(Non Credit)	(Project, Seminar, Internship)	(Load (Without O.C))		
I	8	12	-	-	-	0	-	-	-	20	20	
II	8	11	4	-	-	0	-	-	-	23	23	20+23 = 43 ✓
III	4	-	3	12	-	-	3	-	-	22	22	
IV	7	2	2	9	-	-	2	-	-	22	22	
V	-	1	-	12	-	3	3	-	-	22	22	22+22 = 44 ✓
VI	-	-	-	12	-	3	4	-	3	19	21	21
VII	-	-	3	12	3	3	-	-	2	21	24	22+24 = 46 ✓
VIII	-	-	-	3	6	3	-	-	7	19	22	21
Total	27	26	12	48	15	15	12	0	16	156	171	171
%												
(Total/Total Load)*100	15.8	15.2	7.0	28.1	8.8	8.8	7.0	0.0	9.4			
Total(As per AICTE)	25	24	12	48	18	18	-	0	15			

37 (350236)  
159 (1570158)

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