

**Shri G.S. Institute of Technology & Science, Indore**  
**Department of Electrical Engineering**

**Minutes of 127<sup>th</sup> Board of Studies Meeting held in office of Head, Electrical Engineering, Department, on 31/05/2018 at 11:00 AM.**

The meeting was attended by,

1. Prof. R. K. Saxena, Professor, S.G.S.I.T.S., Indore
2. Dr. Trapti Jain, Head of Department, Electrical Engg., I.I.T., Indore.
3. Prof. H.K. Verma, Head of Department, Electrical Engg., S.G.S.I.T.S., Indore.
4. Prof. B.M. Sharma, Electrical Engg. Dept., S.G.S.I.T.S., Indore.
5. Mr. M.P.S. Chawla, Electrical Engg. Dept., S.G.S.I.T.S., Indore.
6. Dr. Arun Parakh, Electrical Engg. Dept., S.G.S.I.T.S., Indore.
7. Dr. Sandeep Bhongade, Electrical Engg. Dept., S.G.S.I.T.S., Indore.
8. Dr. Shailendra Sharma, Electrical Engg. Dept., S.G.S.I.T.S., Indore.
9. Mr. R.S. Mandloi, Electrical Engg. Dept., S.G.S.I.T.S., Indore.
10. Dr. Chinmay Jain, DGM, Shakti Pumps India Pvt. Ltd. (Could not attend)

It is proposed that,

**I Year**

1. The first year scheme is common in all branches and is being prepared by the Dean Academics and will be adapted as it is.

**II Year**

2. One elective subject of Humanities Department will be mandatory for all BE II year (Sem-A) engineering students out of the three proposed electives given below:
3. Internship-II of 90 hours is introduced in BE II year extending over both the semesters to be evaluated in V semester having 3 credits.
4. A laboratory course is being introduced with the Electro-magnetic field and materials course having 1 credit in IV Semester.

**III Year**

5. "Analog and Digital Communication" which was a compulsory course in V semester is being changed to be an elective subject along with two other options.
6. The subjects, "Electrical Machine Design - 1&2" currently included in V & VI Semester are being merged together with a new nomenclature as, "Power Apparatus Design" having 2 theory and 2 practical credits. Here onwards there will be a theory examination for the subject, "Power Apparatus Design" in V Semester only.
7. Minor Project-I is being introduced in V Semester with 2 credits.
8. Internship-III of 60 hours is introduced in BE 3<sup>rd</sup> year extending over both the semesters to be evaluated in VII Semester.
9. An elective-III is introduced in VI Semester out of proposed list of three alternatives.

*Jain*

*Veep*  
*Sharma*

*Alkhar*  
*31/5/18*

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*31/5*

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**Shri G.S. Institute of Technology & Science, Indore**  
**Department of Electrical Engineering**

10. Minor Project-II is being introduced in VI Semester with 2 credits.

**IV Year**

11. A simulation based laboratory course is being introduced with the existing "Reliability Engineering" course in VII Semester having 1 credit.
12. "Electrical Machines-III" is being removed from VIII Semester.
13. In VIII Semester, "Advanced Electrical Drives" is being renamed as "Advanced Electrical Machines & Drives."
14. A new Professional elective subject is introduced in VIII Semester with four options.
15. Internship-IV of 60 days having 2 credits is introduced in VIII Semester to be evaluated in the same semester.
16. A new P.G. course, "Power System & Control" is to be started from July, 2018, whose scheme was discussed and admissions for which will start from July, 2018.

**Enclosures:**

(a) The existing and (b) the new proposed scheme in detail are enclosed here with.  
It is proposed to implement the new scheme from July, 2018, from I Year.

**Prof. H.K. Verma (Chairman)**  
Head of Department, Electrical Engg. S.G.S.I.T.S., Indore.



**Prof. R. K. Saxena**  
Professor, Electrical Engg. Dept., S.G.S.I.T.S., Indore



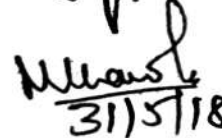
**Dr. Trapti Jain**  
Head of Department, Electrical Engg. I.I.T., Indore.



**Prof. B.M. Sharma**  
Professor, Electrical Engg. Dept., S.G.S.I.T.S., Indore.



**Mr. M.P.S. Chawla**  
Asso. Professor, Electrical Engg. Dept. S.G.S.I.T.S., Indore.



**Dr. Arun Parakh**  
Asst. Professor, Electrical Engg. Dept., S.G.S.I.T.S., Indore.



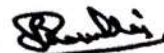
**Dr. Sandeep Bhongade**  
Asst. Professor, Electrical Engg. Dept., S.G.S.I.T.S., Indore.



**Dr. Shailendra Sharma**  
Asst. Professor, Electrical Engg. Dept. S.G.S.I.T.S., Indore.



**Mr. R.S. Mandloi**  
Asst. Professor, Electrical Engg. Dept., S.G.S.I.T.S., Indore.



BOS 31/05/2018  
BED

II B.E.(4VDC) ELECTRICAL ENGINEERING

SEMESTER 'A'

S. No.	Category	Subject Name	L	T	P	Th. Credit	Pr. Credit	Total	Maximum Marks				
									Th.	CW	SW	Pr.	Total
1		Electrical Measurement & Measuring Instruments	3	-	2	3	1	4	70	30	40	60	200
2		Analog Electronics	3	-	2	3	1	4	70	30	40	60	200
3		Network Theory	3	-	2	3	1	4	70	30	40	60	200
4		Mathematics -III	3	1	-	4	-	4	70	30	-	-	100
5		Elective-I	3	-	-	3	-	3	70	30	-	-	100
6		Electrical Workshop-I	-	-	4	-	2	2	-	-	40	60	100
7		Evaluation of internship-I completed at 1 year level	-	-	-	-	2	2	-	-	-	60	60
8		Internship-II	15	1	10	16	7	23	350	150	160	300	960
Total													960

SEMESTER 'B'

S. No.	Category	Subject Name	L	T	P	Th. Credit	Pr. Credit	Total	Maximum Marks				
									Th.	CW	SW	Pr.	Total
1		Electrical Machines-I	3	-	2	3	1	4	70	30	40	60	200
2		Electro-Magnetic Field & Materials	3	-	2	3	1	4	70	30	40	60	200
3		Instrumentation	3	-	2	3	1	4	70	30	40	60	200
4		Digital Electronics	3	1	-	4	-	4	70	30	-	-	100
5		Mathematics-IV	-	-	4	-	2	2	-	-	40	60	100
6		Electrical Workshop & Design-II	-	-	-	-	-	-	-	-	-	-	-
7		Internship-II	15	1	12	16	6	22	350	150	200	300	1000
Total													1000

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EED BOS  
31/05/2018

III B.E. (4YDC) ELECTRICAL ENGINEERING

SEMESTER 'A'

S. No.	Category	Subject	L	T	P	Th. Credit	Pr. Credit	Total	Maximum Marks				
									Th.	CW	SW	Pr.	Total
1		Hybrid Energy Systems	3	-	2	3	1	4	70	30	40	60	200
2		Micro processor & Operating System	3	-	2	3	1	4	70	30	40	60	200
3		Power Electronics-I	3	-	2	3	1	4	70	30	40	60	200
4		Electrical Machines-II	3	-	2	3	1	4	70	30	40	60	200
5		Elective-II	3	-	-	3	-	3	70	30	-	-	100
6		Power Apparatus Design	2	-	4	2	2	4	-	-	40	60	100
7		Minor Project I			4		2	2			40	60	100
8		Evaluation of internship II						3			40	60	100
9		Internship-III											
Total			17	0	16	17	8	28	350	150	280	420	1200

Analog and Digital Communication

Power Plant Engineering

Artificial Intelligence and Machine Learning

SEMESTER 'B'

S. No.	Category	Subject	L	T	P	Th. Credit	Pr. Credit	Total	Maximum Marks				
									Th.	CW	SW	Pr.	Total
1		Control Systems	3	-	2	3	1	4	70	30	40	60	200
2		Power Electronics-II	3	-	2	3	1	4	70	30	40	60	200
3		Power System-I	3	-	2	3	1	4	70	30	40	60	200
4		Elective-III	3	-	-	3	0	3	70	30	-	-	100
5		Utilization of Electrical Energy	3	-	2	3	1	4	70	30	40	60	200
7		Minor Project II			4		2	2			40	60	100
8		Internship-III											
Total			15	0	12	15	6	21	350	150	200	300	1000

Basics of Entrepreneurship

Values and Ethics for Engineers

Macro Economics

Elective-III

Useful  
Muhammad  
31/5/18  
Banshwar  
31/05  
Praveen  
2/3

Ravi

VED 003  
31/05/20

IV B.E.(HYDC) ELECTRICAL ENGINEERING														
SEMESTER 'A'														
S. No.	Category	Subject	L	T	P	Th. Credit	Pr. Credit	Total	Maximum Marks					
									Th.	CW	SW	Pr.	Total	
1		Reliability Engineering	3	-	2	3	1	4	70	30	40	60	200	
2		Digital Signal Processing	3	-	2	3	1	4	70	30	40	60	200	
3		Industrial Engineering & Management	3	-	-	3	0	3	70	30	-	-	100	
4		Power System-II	3	-	2	3	1	4	70	30	40	60	200	
5		Faults and System Protection	3	-	2	3	1	4	70	30	40	60	200	
6		Evaluation Internship III	0	-	-	-	-	2	-	-	40	60	100	
Total			15	0	5	15	4	21	280	150	200	300	1000	

SEMESTER 'B'														
S. No.	Category	Subject	L	T	P	Th. Credit	Pr. Credit	Total	Maximum Marks					
									Th.	CW	SW	Pr.	Total	
1		Advanced Electrical Machines & Drives	3	-	2	3	1	4	70	30	40	60	200	
2		Professional Elective-I	2	-	-	2	0	2	70	30	-	-	100	
3		Designing with Micro Systems	3	-	2	3	1	4	70	30	40	60	200	
4		Internship-IV & Evaluation	-	-	-	-	-	2	-	-	-	-	0	
5		Major Project	-	-	6	0	3	3	-	-	40	60	100	
Total			8	0	10	6	4	16	-	-	40	60	300	

**HYDC & FACTS**  
**Electrical Energy Conservation and Auditing**  
**Professional Elective-I Wind and Solar Energy System**  
**Electric and Hybrid Vehicles**

VED  
3/15

Alhamsy  
31/5/18

Bryname

Sen

3/3