



GURUNANAK INSTITUTE OF TECHNOLOGY

Approved by A.I.C.T.E., New Delhi

Affiliated to MAKAUT, West Bengal



Supporting Document

**MINUTES OF THE MEETING, 2018 OF BOARD OF STUDIES OF ELECTRICAL
ENGINEERING DEPARTMENT HELD
ON
27/02/2018 AT 11 A.M.**

Department of Electrical Engineering

GNIT

Minutes of the BOS meeting

Date: 27/02/2018

Venue: HOD Room, Department of Electrical Engineering

Time: 11 A.M.

As per the notice dated 12.02.2018 with Ref. No. GNIT/EE/BOS/2018/02, a BOS meeting was held on 27/02/2018 in presence of following experts and members:

Members present (Internal):

1. Dr. Prabal Deb : Head and Chairman
2. Dr. Shyamal kumar Ghosh : Professor, Member
3. Mr.Kalyan Kumar Chakraborty : Associate Professor
4. Mr. Sisir Mazumder : Assistant Professor, Member
5. Mr. Susovan Dutta : Assistant Professor, Member
6. Ms. Rikta Majumder : Assistant Professor, Member
7. Mr. Shyamal Kumar Roy : Assistant Professor, Member
8. Mr. Arindam Roy : Assistant Professor, Member
9. Mrs. Madhumita Chakraborty : Assistant Professor, Member
10. Mr. Suman Ghosh : Assistant Professor, Member
11. Mr. Bikram Dutta : Assistant Professor, Member
12. Mrs.Reshmi Banerjee : Assistant Professor, Member
13. Mr.Suman Majumder : Assistant Professor, Member
14. Mr.Utpal Kumar Mondal : Assistant Professor, Member
15. Mrs.Rituparna Mukherjee : Assistant Professor, Member

External Members Present:

1. Dr. Shib Sankar Saha : Professor, EE Dept., Kalyani Govt.Engg. College, Kalyani,
Nadia,
2. Mr.Sujit Pal : DGM, Electro Steel Casting Ltd.

Members Absent:

1. Mrs Anuradha Guha : Assistant Professor, Internal Member
2. Mr.Indranil Kushary : Assistant Professor, Member



The discussion was based on the following agenda:

Agenda:

1. Confirmation of Minutes of last BOS Meeting
2. Approval of Action taken report of the resolutions taken in the last meeting
3. Review of 5th and 6th sem under R16 curriculum on syllabus revision
4. Discussion on course which strengthen employability, entrepreneurship and skill development.
5. Finalization of Regulation 18 (R 18) Curriculum and Syllabus of Electrical Engineering wef. 2018-19 admission batches under autonomy.
6. Finalization of Elective Courses added in R18 Syllabus
7. More Emphasize on Mentoring System
8. Lab Upgradation
9. Miscellaneous

Resolution:

After rigorous discussion and exchange of ideas, the following resolutions were taken:

Agenda 1: Confirmation of Minutes of last BOS Meeting

The minutes of last BOS meeting was duly confirmed and approved

Agenda 2: Approval of Action taken report of the resolutions taken in the last meeting

Action taken report of last BOS meeting' resolution was noted

Agenda 3 : Review of 5th and 6th sem under R16 curriculum on syllabus revision

R16 Autonomy Curriculum and syllabus for 5th and 6th semester has been reviewed and finalized after a bit of modification.

Agenda 4: Discussion on courses which strengthen employability, entrepreneurship and skill development.

All experts agreed with the list of courses which strengthen employability, entrepreneurship and skill development (Vide Annexure I). It was assessed that about 63.63% of the courses being offered under R 18 syllabus for EE contributes to the abovementioned purpose.

Agenda 5: Finalization of Regulation 18 (R 18) Curriculum and Syllabus of Electrical Engineering wef. 2018-19 admission batch under autonomy

Chairperson of BOS Committee has presented stakeholders feedback analysis on curriculum in front of all BOS members.

Finally, the curriculum and syllabus of Electrical Engineering discipline was finalized and approved by BOS members (Vide Annexure II). All BOS members commented that the final R16 Curriculum is well organized and linked with departmental vision, mission, PEOs and PSOs.

Agenda 6: Finalization of Elective Courses added in R18 Syllbus

Elective courses are finalized for R18 syllabus after taking Stakeholder's feedback and suggestions of BoS Members (Vide Annexure III)

Agenda 7: New Course Added in R 18 Curriculum

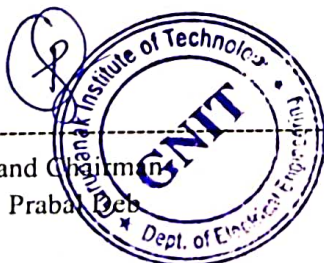
As per suggestions of all stakeholders some new courses have been introduced in R18 curriculum. As per suggestion of external BOS experts Dr. Shib Sankar Saha and Mr.Sujit Pal following new courses are added in R 18 Curriculum:

- Internet of Things
- Electrical Energy Conservation and Auditing
- Big Data Analysis
- Restructured Electrical Power System
- Industrial Electrical System

Finally, the list of new courses added in R 18 curriculum were approved by all BOS members (Vide Annexure IV).

Lastly the meeting was ended with vote of thanks to the Chairman BOS.

Head and Chairman
Dr. Prabal Deb



Annexure I

Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
English	HU 101	skill development
Project – IA	PR191	Skill Development, Entrepreneurship
Project – IB	PR192	Skill Development, Entrepreneurship
Programming for Problem Solving	CS 201	Employability
Engineering Mechanics	ME 201	Employability
Engineering Graphics & Design	ME 291	Skill Development, Entrepreneurship
Programming for Problem Solving Laboratory	CS 291	Skill Development, Entrepreneurship
Language Laboratory and Seminar Presentation	HU 291	Skill Development, Employability, Entrepreneurship
Project II	PR 291	Skill Development, Entrepreneurship
Innovative Activities I	PR 292	Employability, Skill Development, Entrepreneurship
Analog Electronics	EE 303	Employability
Analog Electronics Laboratory	EE 393	Employability
Project III	PR 391	Skill Development, Entrepreneurship
Innovative Activities II	PR 392	Employability, Skill Development, Entrepreneurship
Value in Ethics and Profession	HU 401	Employability, Entrepreneurship
Digital Electronics	EE 403	Employability
Digital Electronics Laboratory	EE 493	Skill Development, Entrepreneurship
Project IV	PR 491	Skill Development, Entrepreneurship
Innovative Activities III	PR 492	Employability, Skill Development, Entrepreneurship
Data Structure	EE 504A	Employability
Computer Network	EE 504B	Employability
Internet of Things	EE 504C	Employability
Electrical Energy Conservation and Auditing	EE 505A	Employability
Electromagnetic Waves	EE 505B	Employability

Illumination Engineering	EE 505C	Employability
Power Plant Engineering	EE 505D	Employability
Data Structure Laboratory	EE 594A	Employability, Skill Development
Computer Network Laboratory	EE 594B	Employability, Skill Development
Internet of Things Laboratory	EE 594C	Employability, Skill Development
Project V	PR 591	Skill Development, Entrepreneurship
Innovative Activities V	PR 592	Employability, Skill Development, Entrepreneurship
Microprocessor and Microcontroller	EE 601	Employability
Data Base Management System	EE 604A	Employability
Embedded Systems	EE 604B	Employability
Software Engineering	EE 604C	Employability
Digital Signal Processing	EE 605A	Employability
High Voltage Engineering	EE 605B	Employability
Computer Architectur	EE 605C	Employability
Microprocessor and Microcontroller Laboratory	EE 691	Employability, Skill Development
Data Base Management System Laboratory	EE 694A	Employability, Skill Development
Embedded Systems Laboratory	EE 694B	Employability, Skill Development
Software Engineering Laboratory	EE 694C	Employability, Skill Development
Project VI	PR 691	Skill Development, Entrepreneurship
Innovative Activities VI	PR 692	Employability, Skill Development, Entrepreneurship
Technical Lecture Presentation & Group Discussion – I	MC681	Employability, Skill Development, Entrepreneurship
Industrial and Financial Management	HU 703	Employability, Skill Development, Entrepreneurship
Object Oriented Programming using JAVA	EE 702A	Employability
Big Data Analysis	EE 702B	Employability
Digital Image Processing	EE 702C	Employability
Restructured Electrical Power System	EE 703B	Employability
Computer Applications in Power System	EE 703C	Employability
Power System Dynamics and Control	EE 704A	Employability
Power Quality and FACTS	EE 704B	Employability
HVDC Transmission Systems	EE 704C	Employability
Industrial and Financial Management	HU 703	Employability
Object Oriented Programming Laboratory	EE 792A	Employability, Skill Development

Big Data Analysis Laboratory	EE 792B	Employability, Skill Development
Digital Image Processing Laboratory	EE 792C	Employability, Skill Development
Project VII	PR 791	Skill Development, Entrepreneurship
Innovative Activities VII	PR 792	Employability, Skill Development, Entrepreneurship
Technical Lecture Presentation & Group Discussion – II	MC 781	Employability, Skill Development, Entrepreneurship
Principles of Management	HU 801	Employability, Entrepreneurship
Wind and Solar Energy Systems	EE 801A	Employability
Utilization of Electric Power	EE 801B	Employability
Line Commutated and Active Rectifiers	EE 801C	Employability
Advanced Electric Drives	EE 802A	Employability
Control Systems Design	EE 802B	Employability
Industrial Electrical System	EE 802C	Employability
Project – VIII	PR 891	Skill Development, Entrepreneurship



Annexure II
Department: Electrical Engineering
Curriculum Structure & Syllabus
(Effective from 2018-19 admission batch)

Curriculum for B.Tech. Under Autonomy

1st Semester								
Sl. No.	Category	Paper Code	Subject	Contact Hours/Week				Credit Points
				L	T	P	Total	
A. THEORY								
1	BS	M 101	Mathematics – I	3	1	0	4	4
2	BS	CH 101	Chemistry	3	0	0	3	3
3	ES	EE 101	Basic Electrical Engineering	3	0	0	3	3
4	HS	HU 101	English	2	0	0	2	2
Total of Theory							12	12
B. PRACTICAL								
5	BS	CH 191	Chemistry Laboratory	0	0	3	3	1.5
6	ES	EE 191	Basic Electrical Engineering Laboratory	0	0	3	3	1.5
7	ES	ME 191	Engineering Graphics & Design	0	0	3	3	1.5
8	PROJ	PR 191	Project – IA	0	0	1	1	0.5
9	PROJ	PR 192	Project – IB	0	0	1	1	0.5
C. MANDATORY ACTIVITIES / COURSES								
10	MC	MC 181	Induction Program	0	0	0	0	0

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Total of Theory, Practical & Mandatory Activities / Courses				23	17.5
* Project - I on any one practical paper (0.5 credit)					



2nd Semester									
Sl. No.	Category	Paper Code	Subject	Contact Hours/Week				Credit Points	
				L	T	P	Total		
A. THEORY									
1	BS	M 201	Mathematics – II	3	1	0	4	4	
2	BS	PH 201	Physics – I	3	0	0	3	3	
3	ES	EC 201	Basic Electronics Engineering	3	0	0	3	3	
4	ES	CS 201	Programming for Problem Solving	3	0	0	3	3	
5	ES	ME 201	Engineering Mechanics	3	0	0	3	3	
Total of Theory							16	16	
B. PRACTICAL									
6	ES	CS 291	Programming for Problem Solving Laboratory	0	0	3	3	1.5	
7	BS	PH 291	Physics – I Laboratory	0	0	3	3	1.5	
8	ES	EC 291	Basic Electronics Engineering Laboratory	0	0	3	3	1.5	
9	ES	ME 292	Workshop/Manufacturing Practices	0	0	3	3	1.5	
10	HS	HU 291	Language Laboratory	0	0	2	2	1	
11	PROJ	PR 291	Project – II	0	0	1	1	0.5	
12	PROJ*	PR 292	Innovative Activities – I	0	0	0	0	0.5	
C. MANDATORY ACTIVITIES / COURSES									
13	MC	MC 281	NSS / Physical Activities / Meditation & Yoga / Photography / Nature Club	0	0	0	3	0	
Total of Theory, Practical & Mandatory Activities / Courses							34	24	

- Inter/ Intra Institutional Activities viz; Training with higher Institutions; Soft skill training organized by Training and Placement Cell of the respective institutions; contribution at incubation/ innovation/entrepreneurship cell of the institute; participation in conferences/ workshops/ competitions etc.; Learning at Departmental Lab/ Tinkering Lab/ Institutional workshop; Working in all the activities of Institute's Innovation Council for e.g., IPR workshop/Leadership Talks/ Idea/ Design/ Innovation/ Business Completion/ Technical Expos etc. (evaluation by Programme Head through certification)

Innovative activities to be evaluated by the Programme Head/ Event coordinator based on the viva voce and submission of necessary certificates as evidence of activities.

3rd Semester

Sl. No.	Category	Paper Code	Subject	Contact Hours/Week				Credit Points
				L	T	P	Total	
A. THEORY								
1	ES	EE 301	Electrical Circuit Analysis	3	1	0	4	4
2	PC	EE 302	Measurement and Instrumentation	3	0	0	3	3
3	PC	EE 303	Analog Electronics	3	0	0	3	3
4	BS	M(EE) 301	Mathematics – III	3	1	0	4	4
Total of Theory							14	14
B. PRACTICAL								
5	ES	EE 391	Electrical Circuit Analysis Laboratory	0	0	3	3	1.5
6	PC	EE 392	Measurement and Instrumentation Laboratory	0	0	3	3	1.5
7	PC	EE 393	Analog Electronics Laboratory	0	0	2	2	1
8	PROJ	PR 391	Project – III	0	0	2	2	1
9	PROJ*	PR 392	Innovative Activities – II	0	0	0	0	0.5
C. MANDATORY ACTIVITIES / COURSES								
10	MC	MC 301	Environmental Science	3	0	0	3	0

Total of Theory, Practical & Mandatory Activities / Courses

27

19.5

- * Students may choose either to work on participation in all the activities of Institute's Innovation Council for e.g., IPR workshop/ Leadership Talks / Idea / Design / Innovation / Business Completion / Technical Expos etc.

Innovative activities to be evaluated by the Programme Head / Event coordinator based on the viva voce and submission of necessary certificates as evidence of activities.

4th Semester								
Sl. No.	Category	Paper Code	Subject	Contact Hours/Week				Credit Points
				L	T	P	Total	
A. THEORY								
1	BS	PH 401	Physics – II	3	0	0	3	3
2	PC	EE 401	Electrical Machines – I	3	0	0	3	3
3	PC	EE 402	Power Electronics	3	0	0	3	3
4	PC	EE 403	Digital Electronics	3	0	0	3	3
5	PC	EE 404	Electromagnetic Fields	2	0	0	2	2
6	HS	HU 401	Values and Ethics in Profession	2	0	0	2	2
Total of Theory							16	16
B. PRACTICAL								
7	BS	PH 491	Physics – II Laboratory	0	0	3	3	1.5
8	PC	EE 491	Electrical Machines – I Laboratory	0	0	3	3	1.5
9	PC	EE 492	Power Electronics Laboratory	0	0	3	3	1.5
10	PC	EE 493	Digital Electronics Laboratory	0	0	2	2	1
11	PROJ	PR 491	Project – IV	0	0	2	2	1

12	PROJ*	PR 492	Innovative Activities – III	0	0	0	0	0.5
C. MANDATORY ACTIVITIES / COURSES								
13	MC	MC 481	Behavioural & Interpersonal Skills	0	0	3	3	0
Total of Theory, Practical & Mandatory Activities / Courses							32	23

* Students may choose either to work on participation in all the activities of Institute's Innovation Council for e.g., IPR workshop / Leadership Talks / Idea / Design / Innovation / Business Completion / Technical Expos etc.

Innovative activities to be evaluated by the Programme Head/ Event coordinator based on the viva voce and submission of necessary certificates as evidence of activities.

5th Semester								
Sl. No.	Category	Paper Code	Subject	Contact Hours/Week				Credit Points
				L	T	P	Total	
A. THEORY								
1	PC	EE 501	Electrical Machines – II	3	0	0	3	3
2	PC	EE 502	Power System – I	3	0	0	3	3
3	PC	EE 503	Control System – I	3	0	0	3	3
4	OE	EE 504	A. Data Structure	3	0	0	3	3
			B. Computer Network					
			C. Internet of Things					
5	PE	EE 505	A. Electrical Energy Conservation and Auditing	3	0	0	3	3
			B. Electromagnetic Waves					
			C. Illumination Engineering					
			D. Power Plant Engineering					
Total of Theory							15	15
B. PRACTICAL								
6	PC	EE 591	Electrical Machines – II Laboratory	0	0	3	3	1.5
7	PC	EE 592	Power System – I Laboratory	0	0	3	3	1.5

8	PC	EE 593	Control System - I Laboratory	0	0	3	3	1.5
9	OE	EE 594	A. Data Structure Laboratory	0	0	3	3	1.5
			B. Computer Network Laboratory					
			C. Internet of Things Laboratory					
10	PROJ	PR 591	Project - V	0	0	2	2	1
11	PROJ*	PR 592	Innovative Activities - IV	0	0	0	0	0.5
C. MANDATORY ACTIVITIES / COURSES								
12	MC	MC 501	Constitution of India	3	0	0	3	0
Total of Theory, Practical & Mandatory Activities / Courses							32	22.5

* Students may choose either to work on participation in Hackathons etc. Development of new product / Business Plan / registration of start-up.

Students may choose to undergo Internship / Innovation / Entrepreneurship related activities. Students may choose either to work on innovation or entrepreneurial activities resulting in start-up or undergo internship with industry / NGO's / Government organizations / Micro / Small / Medium enterprises to make themselves ready for the industry / Long Term goals under rural Internship. (Duration 4-6 weeks)

Innovative activities to be evaluated by the Programme Head / Event coordinator based on the viva voce and submission of necessary certificates as evidence of activities.

6th Semester								
Sl. No.	Category	Paper Code	Subject	Contact Hours/Week				Credit Points
				L	T	P	Total	
A. THEORY								
1	PC	EE 601	Microprocessor and Microcontroller	3	0	0	3	3
2	PC	EE 602	Power System - II	3	0	0	3	3

3	PC	EE 603	Control System – II	3	0	0	3	3
4	OE	EE 604	A. Data Base Management System	3	0	0	3	3
			B. Embedded Systems					
			C. Software Engineering					
5	PE	EE 605	A. Digital Signal Processing	3	0	0	3	3
			B. High Voltage Engineering					
			C. Computer Architecture					
Total of Theory							15	15
B. PRACTICAL								
6	PC	EE 691	Microprocessor and Microcontroller Laboratory	0	0	2	2	1
7	PC	EE 692	Power System – II Laboratory	0	0	3	3	1.5
8	PC	EE 693	Control System – II Laboratory	0	0	3	3	1.5
9	OE	EE 694	A. Data Base Management System Laboratory	0	0	3	3	1.5
			B. Embedded Systems Laboratory					
			C. Software Engineering Laboratory					
10	PROJ	PR 691	Project – VI	0	0	2	2	1
11	PROJ*	PR 692	Innovative Activities – V	0	0	0	0	0.5
C. MANDATORY ACTIVITIES / COURSES								
12	MC	MC 681	Technical Lecture Presentation & Group Discussion – I	0	0	3	3	0
Total of Theory, Practical & Mandatory Activities / Courses							31	22

* Students may choose either to work on participation in all the activities of Institute's Innovation Council for e.g., IPR workshop / Leadership Talks / Idea / Design / Innovation / Business Completion / Technical Expos etc.

Innovative activities to be evaluated by the Programme Head / Event coordinator based on the viva voce and submission of necessary certificates as evidence of activities.



7th Semester								
Sl. No.	Category	Paper Code	Subject	Contact Hours/Week				Credit Points
				L	T	P	Total	
A. THEORY								
1	PC	EE 701	Electrical Drives	3	0	0	3	3
2	OE	EE 702	A. Object Oriented Programming using JAVA	3	0	0	3	3
			B. Big Data Analysis					
			C. Digital Image Processing					
3	PE	EE 703	A. Power System – III	3	0	0	3	3
			B. Restructured Electrical Power System					
			C. Computer Applications in Power System					
4	PE	EE 704	A. Power System Dynamics and Control	3	0	0	3	3
			B. Power Quality and FACTS					
			C. HVDC Transmission Systems					
5	HS	HU703	Industrial and Financial Management	2	0	0	2	2
Total of Theory							14	14
B. PRACTICAL								
6	PC	EE791	Electrical Drives Laboratory	0	0	3	3	1.5
7	OE	EE 792	A. Object Oriented Programming Laboratory	0	0	3	3	1.5
			B. Big Data Analysis Laboratory					
			C. Digital Image Processing Laboratory					
8	PROJ	PR 791	Project – VII	0	0	0	6	3
9	PROJ*	PR 792	Innovative Activities – VI	0	0	0	0	0.5
C. MANDATORY ACTIVITIES / COURSES								
10	MC	MC 781	Technical Lecture Presentation & Group Discussion – II	0	0	3	3	0
Total of Theory, Practical & Mandatory Activities / Courses							29	20.5

* Students may choose either to work on participation in Hackathons etc. Development of new product / Business Plan / registration of start-up.



Students may choose to undergo Internship / Innovation / Entrepreneurship related activities. Students may choose either to work on innovation or entrepreneurial activities resulting in start-up or undergo internship with industry / NGO's / Government organizations / Micro / Small / Medium enterprises to make themselves ready for the industry / Long Term goals under rural Internship. (Duration 4-6 weeks)

Innovative activities to be evaluated by the Programme Head / Event Coordinator based on the viva voce and submission of necessary certificates as evidence of activities.

8th Semester									
Sl No	Category	Paper Code	Subject	Contact Hours/Week				Credit Points	
				L	T	P	Total		
A. THEORY									
1	PE	EE801	A. Wind and Solar Energy Systems	2	0	0	2	2	
			B. Utilization of Electric Power						
			C. Line Commutated and Active Rectifiers						
2	PE	EE802	A. Advanced Electric Drives	3	0	0	3	3	
			B. Control Systems Design						
			C. Industrial Electrical System						
3	HS	HU801	Principles of Management	2	0	0	2	2	
Total of Theory							7	7	
B. PRACTICAL									
4	PROJ	PR 891	Project – VIII	0	0	8	8	4	
C. MANDATORY ACTIVITIES / COURSES									
5	MC	MC 804	Essence of Indian Knowledge Tradition	3	0	0	3	0	
Total of Theory, Practical & Mandatory Activities / Courses							18	11	

Annexure III

Elective Subjects incorporated in Regulation R18 Curriculum

Sl No	Paper Code	Paper Name	Contact Hours /Week				Credit Points
			L	T	P	Total	
Professional Elective Courses relevant to chosen specialization/Branch (PE)							
1	EE 505	Electrical Energy Conservation and Auditing Electromagnetic Waves Illumination Engineering Power Plant Engineering	3	0	0	3	3
2	EE 605	Digital Signal Processing High Voltage Engineering Computer Architecture	3	0	0	3	3
3	EE 703	Power System – III Restructured Electrical Power System Computer Applications in Power System	3	0	0	3	3
4	EE 704	Power System Dynamics and Control Power Quality and FACTS HVDC Transmission Systems	3	0	0	3	3
5	EE801	Wind and Solar Energy Systems Utilization of Electric Power Line Commutated and Active Rectifiers	2	0	0	2	2
6	EE802	Advanced Electric Drives Control Systems Design Industrial Electrical System	3	0	0	3	3
		Total Credit:					17



Open Elective Courses-Electives from other technical and / or emerging subjects (OE):							
1	EE 504	Data Structure Computer Network Internet of Things	3	0	0	3	3
2	EE 594	Data Structure Laboratory Computer Network Laboratory Internet of Things Laboratory	0	0	3	3	1.5
3	EE 604	Data Base Management System Embedded Systems Software Engineering	3	0	0	3	3
4	EE 694	Data Base Management System Laboratory Embedded Systems Laboratory Software Engineering Laboratory	0	0	3	3	1.5
	EE 702	Object Oriented Programming using JAVA Big Data Analysis Digital Image Processing	3	0	0	3	3
	EE 792	Object Oriented Programming Laboratory Big Data Analysis Laboratory Digital Image Processing Laboratory	0	0	3	3	1.5
		Total Credit:					13.5



Annexure IV

List of New courses introduced Program-wise during the assessment year

Program Code	Program name	Course Code	Course Name
EE (B.Tech.)	B.Tech. in Electrical Engineering	PR 191	Project-IA
		PR 192	Project-IB
		MC 181	Induction Program
		PR 291	Project-II
		PR 292	Innovative activities-I
		PR 391	Project-III
		PR 392	Innovative activities-II
		PR 491	Project-IV
		PR 492	Innovative activities-III
		MC 481	Behavioural & Interpersonal Skills
		EE 504C	Internet of Things
		EE 505A	Electrical Energy Conservation and Auditing
		EE 594C	Internet of Things Lab.
		PR 591	Project-V
		PR 592	Innovative activities-IV
		MC 501	Constitution of India
		PR 691	Project-VI
		PR 692	Innovative activities-V
		MC 681	Technical Lecture Presentation & Group Discussion - I

List of New courses introduced Program-wise during the assessment year

Program Code	Program name	Course Code	Course Name
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EE (B.Tech.)	B.Tech. in Electrical Engineering	EE 702 B	Big Data Analysis
		EE 703 B	Restructured Electrical Power System
		EE 792 B	Big Data Analysis Laboratory
		PR 791	Project – VII
		PR 792	Innovative Activities – VI
		EE 802 A	Advanced Electric Drives
		EE 802 B	Control Systems Design
		EE 802 C	Industrial Electrical System
		HU 801	Principles of Management
		PR 891	Project – VIII
		MCS04	Essence of Indian Knowledge Tradition



External Member

Name	Designation	Signature
Dr. Shib Sankar Saha	Professor, EE Dept., Kalyani Govt. Engg. College, Kalyani, Nadia	S. S. Saha
Mr. Sujit Pal	DGM, Electro Steel Casting Ltd.	Sujit Pal

Internal Members

Name	Designation	Signature
Dr. Prabal Deb	Head and Chairman	(Signature)
Dr. Shyamal kumar Ghosh	Professor	S. K. Ghosh
Mr. Sisir Mazumder	Assistant Professor	(Signature)
Mr. Susovan Dutta	Assistant Professor	Susovan Dutta
Ms. Rikta Majumder	Assistant Professor	(Signature)
Mr. Shyamal Kumar Roy	Assistant Professor	Shyamal Roy
Mr. Arindam Roy	Assistant Professor	Arindam Roy
Mrs. Madhumita Chakraborty	Assistant Professor	Madhumita
Mr. Suman Ghosh	Assistant Professor	Suman Ghosh
Mr. Bikram Dutta	Assistant Professor	Bikram Dutta
Mrs. Reshmi Banerjee	Assistant Professor	R. Banerjee
Mr. Suman Majumder	Assistant Professor	Suman Majumder
Mr. Utpal Kumar Mondal	Assistant Professor	Utpal Kumar Mondal
Mrs. Rituparna Mukherjee	Assistant Professor	R. Mukherjee

