Revised Curriculum Structure
(to be effective from 2018-19 admission batch)

Department: Electrical Engineering

Curriculum for B.Tech

Under Autonomy (**GR A:** ECE, EE, EIE, BME; **GR B:** CSE, IT, ME, CE, FT)

1st Semester								
Sl No	**Category**	**Paper Code**	**Subject**	**Contact Hours/Week**				**Credit Points**
				L	**T**	**P**	**Total**	
A. THEORY								
1	BS	M101	Mathematics -I	3	1	0	4	4
2	BS	CH101	Chemistry - I	3	0	0	3	3
3	ES	EE101	Basic Electrical Engineering	3	0	0	3	3
4	HS	HU101	English	2	0	0	2	2
Total of Theory							**12**	**12**
B. PRACTICAL								
5	BS	CH191	Chemistry - I Lab	0	0	3	3	1.5
6	ES	EE191	Basic Electrical Engineering Lab	0	0	3	3	1.5
7	ES	ME191	Engineering Graphics & Design	0	0	3	3	1.5
C. SESSIONAL								
8	MC	XC181	Extra-Curricular Activity I	0	0	0	0	2 units
D. PROJECT*								
9	**Project Code**		**Project Name**	**Contact Hours/Week**				**Credit Points**
	M151		Mathematics Project	1				0.5
	HU 151		English Project	1				0.5
	CH151		Chemistry Project	1				0.5
	EE151		Basic Electrical Project	1				0.5
Total of Theory, Practical, Sessional & Project							**23**	**16.5+1**

* Student need to select any two projects (Total Credit: 0.5 × 2 = 1)

2nd Semester								
Sl No	**Category**	**Paper Code**	**Subject**	**Contact Hours/Week**				**Credit Points**
				L	**T**	**P**	**Total**	
A. THEORY								
1	BS	M201	Mathematics -II	3	1	0	4	4
2	BS	PH201	Physics - I	3	0	0	3	3
3	ES	EC201	Basic Electronics Engineering	3	0	0	3	3
4	ES	CS201	Programming for Problem Solving	3	0	0	3	3
5	ES	ME201	Engineering Mechanics	3	0	0	3	3
Total of Theory							**16**	**16**
B. PRACTICAL								
6	ES	CS291	Programming for Problem Solving Lab	0	0	3	3	1.5
7	BS	PH291	Physics - I Lab	0	0	3	3	1.5
8	ES	EC291	Basic Electronics Engineering Lab	0	0	3	3	1.5
9	ES	ME292	Workshop/Manufacturing Practices	0	0	3	3	1.5
10	HS	HU291	Language Lab and Seminar Presentation	0	0	2	2	1
C. SESSIONAL								
11	MC	XC281	Extra-Curricular Activity II	0	0	0	0	2 units
D. PROJECT*								
12	**Project Code**		**Project Name**	**Contact Hours/Week**				**Credit Points**
	M251		Mathematics Project	1				0.5
	CS251		Programming for Problem Solving Project	1				0.5
	ME251		Engineering Mechanics Project	1				0.5
	PH251		Physics Project	1				0.5
	EC251		Basic Electronics Project	1				0.5
Total of Theory, Practical, Sessional & Project							**32**	**23+1**

* Student need to select any two projects (Total Credit: 0.5 × 2 = 1)

3rd Semester								
Sl No	**Category**	**Paper Code**	**Subject**	**Contact Hours/Week**				**Credit Points**
				L	**T**	**P**	**Total**	
A. THEORY								
1	ES	EE301	Electrical Circuit Analysis	3	1	0	4	4
2	PC	EE302	Measurement and Instrumentation	3	0	0	3	3
3	PC	EE303	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	EE391	Electrical Circuit Analysis Laboratory	0	0	3	3	1.5
6	PC	EE392	Measurement and Instrumentation Laboratory	0	0	3	3	1.5
7	PC	EE393	Analog Electronics Laboratory	0	0	2	2	1
C. SESSIONAL								
8	MC	MC301	Environmental Science	2	0	0	2	2 Units
9	MC	MC381	Basic innovations, Creativity & Aptitude	0	0	2	2	2 Units
D. PROJECT*								
10	**Project Code**		**Project Name**	**Contact Hours/Week**				**Credit Points**
	EE351		Projects on Electrical Circuit Analysis	1				0.5
	EE352		Projects on Measurement and Instrumentation	1				0.5
	EE353		Projects on Analog Electronics	1				0.5
	M(EE)351		Projects on Mathematics - III	1				0.5
Total of Theory, Practical, Sessional & Project							**30**	**18+2**

* Student need to select any four projects (Total Credit: 0.5 × 4 = 2)

4th Semester								
Sl No	**Category**	**Paper Code**	**Subject**	**Contact Hours/Week**				**Credit Points**
				L	**T**	**P**	**Total**	
A. THEORY								
1	PC	EE401	Electrical Machines – I	3	0	0	3	3
2	PC	EE402	Power Electronics	3	1	0	4	4
3	PC	EE403	Digital Electronics	3	0	0	3	3
4	PC	EE404	Electromagnetic Fields	3	0	0	3	3
5	BS	PH401	Physics –II	3	0	0	3	3
Total of Theory							**16**	**16**
B. PRACTICAL								
6	PC	EE491	Electrical Machines Laboratory – I	0	0	3	3	1.5
7	PC	EE492	Power Electronics Laboratory	0	0	3	3	1.5
8	PC	EE493	Digital Electronics Laboratory	0	0	2	2	1
9	BS	PH491	Physics –II Lab	0	0	3	3	1.5
C. SESSIONAL								
10	PW	EE481	Electrical System Design and Mini Project-I	1	0	3	4	2
D. PROJECT*								
11	**Project Code**		**Project Name**	**Contact Hours/Week**				**Credit Points**
	EE451		Projects on Electrical Machines – I	1				0.5
	EE452		Projects on Power Electronics	1				0.5
	EE453		Projects on Digital Electronics	1				0.5
	EE454		Projects on Electromagnetic Fields	1				0.5
	PH451		Projects on Physics –II	1				0.5
Total of Theory, Practical, Sessional & Project							**35**	**23.5+2**

* Student need to select any four projects (Total Credit: 0.5 × 4 = 2)

5th Semester								
Sl No	**Category**	**Paper Code**	**Subject**	**Contact Hours/Week**				**Credit Points**
				L	**T**	**P**	**Total**	
A. THEORY								
1	PC	EE501	Electrical Machines – II	3	1	0	4	4
2	PC	EE502	Power System-I	3	1	0	4	4
3	PC	EE503	Control System-I	3	0	0	3	3
4	OE	CS(EE)504	Open Elective - I A. Data Structure B. Computer Network C. Internet of Things	3	0	0	3	3
5	PE	EE505	Program Elective – I A. Electrical Energy Conservation and Auditing B. Electromagnetic Waves C. Illumination Engineering D. Power Plant Engineering	3	0	0	3	3
Total of Theory							**17**	**17**
B. PRACTICAL								
6	PC	EE591	Electrical Machines Laboratory – II	0	0	3	3	1.5
7	PC	EE592	Power System Laboratory – I	0	0	3	3	1.5
8	PC	EE593	Control System Laboratory-I	0	0	3	3	1.5
9	OE	CS(EE)594	Open Elective - I Lab A. Data Structure Lab B. Computer Network Lab C. Internet of Things Lab	0	0	2	2	1
C. SESSIONAL								
10	PW	EE581	Electrical Machine Design and Mini Project-II	1	0	3	4	2
D. PROJECT*								
11	**Project Code**		**Project Name**	**Contact Hours/Week**				**Credit Points**
	EE551		Projects on Electrical Machines – II	1				0.5
	EE552		Projects on Power System-I	1				0.5
	EE553		Projects on Control System-I	1				0.5
	CS(EE)554		Projects on Open Elective - I A. Data Structure B. Computer Network C. Internet of Things	1				0.5
	EE555		Projects on Program Elective – I A. Electrical Energy Conservation and Auditing B. Electromagnetic Waves C. Illumination Engineering	1				0.5
Total of Theory, Practical, Sessional & Project							**36**	**24.5+2**

* Student need to select any four projects (Total Credit: 0.5 × 4 = 2)

6th Semester								
Sl No	**Category**	**Paper Code**	**Subject**	**Contact Hours/Week**				**Credit Points**
				L	**T**	**P**	**Total**	
A. THEORY								
1	PC	EE601	Microprocessor and Microcontroller	3	0	0	3	3
2	PC	EE602	Power System-II	3	0	0	3	3
3	PC	EE603	Control System-II	3	0	0	3	3
4	OE	CS(EE)604	Open Elective - II A. Data Base Management System B. Embedded Systems C. Software Engineering	3	0	0	3	3
5	PE	EE605	Program Elective – II A. Digital Signal Processing B. High Voltage Engineering C. Computer Architecture	3	0	0	3	3
Total of Theory							**15**	**15**
B. PRACTICAL								
6	PC	EE691	Microprocessor and Microcontroller Laboratory	0	0	3	3	1.5
7	PC	EE692	Power System Laboratory – II	0	0	3	3	1.5
8	PC	EE693	Control System Laboratory-II	0	0	3	3	1.5
9	OE	CS(EE)694	Open Elective - II Lab A. Data Base Management System Lab B. Embedded Systems Lab C. Software Engineering Lab	0	0	3	3	1.5
C. SESSIONAL								
10	MC	MC681	Quantitative aptitude and Group Discussion	0	0	2	2	2 Units
D. PROJECT*								
11	**Project Code**		**Project Name**	**Contact Hours/Week**				**Credit Points**
	EE651		Projects on Microprocessor and Microcontroller	1				0.5
	EE652		Projects on Power System-II	1				0.5
	EE653		Projects on Control System-II	1				0.5
	CS(EE)654		Projects on Open Elective - II A. Data Base Management System B. Embedded Systems C. Software Engineering	1				0.5
	EE655		Projects on Program Elective – II A. Digital Signal Processing B. High Voltage Engineering C. Computer Architecture	1				0.5
Total of Theory, Practical, Sessional & Project							**33**	**21+2**

* Student need to select any four projects (Total Credit: 0.5 × 4 = 2)

7th Semester								
Sl No	**Category**	**Paper Code**	**Subject**	**Contact Hours/Week**				**Credit Points**
				L	**T**	**P**	**Total**	
A. THEORY								
1	PC	EE701	Electrical Drives	3	0	0	3	3
2	OE	CS(EE)702	Open Elective - III A. Object Oriented Programming using JAVA B. Big Data Analysis C. Digital Image Processing	2	0	0	2	2
3	PE	EE703	Program Elective - III A. Power System-III B. Restructured Electrical Power System C. Computer Applications in Power System	3	0	0	3	3
4	PE	EE704	Program Elective - IV A. Power System Dynamics and Control B. Power Quality and FACTS C. HVDC Transmission Systems	3	0	0	3	3
5	HS	HU705	Industrial and Financial Management	3	0	0	3	3
Total of Theory							**14**	**14**
B. PRACTICAL								
6	PC	EE791	Electrical Drives Laboratory	0	0	3	3	1.5
7	OE	CS(EE)792	Open Elective - III Lab A. Object Oriented Programming Lab B. Big Data Analysis Lab C. Digital Image Processing Lab	0	2	2	2	1
8	PW	EE781	FINAL PROJECT Stage-I	0	0	3	6	3
C. SESSIONAL								
9	PW	EE782	Report Writing and Seminar Presentation on Industrial Training/Internship	1	0	3	4	2
Total of Theory, Practical, Sessional & Project							**29**	**21.5**

8th Semester								
Sl No	**Category**	**Paper Code**	**Subject**	**Contact Hours/Week**				**Credit Points**
				L	**T**	**P**	**Total**	
A. THEORY								
1	PE	EE801	Program Elective – V A. Wind and Solar Energy Systems. B. Utilization Of Electric Power C. Line Commutated and Active Rectifiers	3	0	0	3	3
2	PE	EE802	Program Elective – VI A. Advanced Electric Drives. B. Control Systems Design. C. Industrial Electrical System	3	0	0	3	3
3	HS	HU802	Values and Ethics in Profession	3	0	0	3	3
Total of Theory							**9**	**9**
B. PRACTICAL								
4	PW	EE881	FINAL PROJECT Stage-II	0	0	16	16	8
Total of Theory, Practical, Sessional & Project							**25**	**17**

Mandatory Credit Point = 165 (4 years UG) + 10 (Project Based Learning)

For Honors additional 10 Credit Point is to be earned (1st Sem to 8th Sem) through MOOCs courses. All the Certificates received by the students across all semester for MOOCs Courses from approved organization (Listed by AICTE / MAKAUT) is to be submitted to CoE office prior to 8th Semester Examination and the Credit earned through MOOCs courses will be reflected in their DGPA.

Credit Distribution Ratio:

Category	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester	Total Credit (Category Wise)	% Credit Distribution	Credit Allocation as per AICTE
Basic Sciences (BS)	8.5	8.5	4	4.5	0	0	0	0	**25.5**	**15.45%**	15 to 20%
Humanities & Social Sciences (HS)	2	1	0	0	0	0	3	3	**9**	**5.45%**	5 to 10%
Engineering Sciences and Skills (ES)	6	13.5	5.5	0	0	0	0	0	**25**	**15.15%**	15 to 20%
Professional Core (PC)	0	0	8.5	17	15.5	13.5	4.5	0	**59**	**35.76%**	30 to 40%
Professional Electives (PE)	0	0	0	0	3	3	6	6	**18**	**10.91%**	10 to 15%
Open Elective (OE)	0	0	0	0	4	4.5	3	0	**11.5**	**6.97%**	5 to 10%
Project work, seminar, internship (PW)	0	0	0	2	2	0	5	8	**17**	**10.30%**	10 to 15%
Environmental Science, Co & extracurricular activities (MC)	0	0	0	0	0	0	0	0	**0**	**0.00%**	Non-credited
Total Credit (Semester Wise)	**16.5**	**23**	**18**	**23.5**	**24.5**	**21**	**21.5**	**17**	**165**	**100.00%**	

a) Subjects under Basic Sciences (BS) Category:

Sl. No.	Subject Name	Subject Code	Semester	Credit
1.	Mathematics -I	M101	1st	4
2.	Chemistry-I	CH101	1st	3
3.	Chemistry-I Lab	CH191	1st	1.5
4.	Mathematics -II	M201	2nd	4
5.	Physics - I	PH201	2nd	3
6.	Physics -I Lab	PH291	2nd	1.5
7.	Mathematics - III	M301	3rd	4
8.	Physics – II	PH401	4th	3
9.	Physics –II Lab	PH491	4th	1.5

b) Subjects under Humanities & Social Sciences (HS) Category:

Sl. No.	Subject Name	Subject Code	Semester	Credit
1.	English	HU101	1st	2
2.	Language Lab and Seminar Presentation	HU291	2nd	1
3.	Industrial and Financial Management	HU705	7th	3
4.	Values and Ethics in Profession	HU802	8th	3

c) Subjects under Engineering Sciences and Skills (ES) Category:

Sl. No.	Subject Name	Subject Code	Semester	Credit
1.	Basic Electrical Engineering	EE101	1st	3
2.	Basic Electrical Engineering Lab	EE191	1st	1.5
3.	Engineering Graphics & Design	ME191	1st	1.5
4.	Basic Electronics Engineering	EC201	2nd	3
5.	Programming for Problem Solving	CS201	2nd	3
6.	Engineering Mechanics	ME201	2nd	3
7.	Basic Electronics Engineering Lab	EC291	2nd	1.5
8.	Programming for Problem Solving Lab	CS291	2nd	1.5
9.	Workshop/Manufacturing Practice	ME292	2nd	1.5
10.	Electrical Circuit Analysis	EE301	3rd	4
11.	Electrical Circuit Analysis Lab	EE391	3rd	1.5

d) Subjects under Professional Core (PC) Category:

Sl. No.	Subject Name	Subject Code	Semester	Credit
1.	Measurement and Instrumentation	EE302	3rd	3
2.	Analog Electronics	EE303	3rd	3
3.	Measurement and Instrumentation Lab	EE392	3rd	1.5
4.	Analog Electronics Lab	EE393	3rd	1
5.	Electrical Machines – I	EE401	4th	3
6.	Power Electronics	EE402	4th	4
7.	Digital Electronics	EE403	4th	3
8.	Electromagnetic Fields	EE404	4th	3
9.	Electrical Machines Lab – I	EE491	4th	1.5
10.	Power Electronics Lab	EE492	4th	1.5
11.	Digital Electronics Lab	EE493	4th	1
12.	Electrical Machines – II	EE501	5th	4
13.	Power System-I	EE502	5th	4
14.	Control System-I	EE503	5th	3
15.	Electrical Machines Laboratory – II	EE591	5th	1.5
16.	Power System Laboratory – I	EE592	5th	1.5
17.	Control System Laboratory-I	EE593	5th	1.5
18.	Microprocessor and Microcontroller	EE601	6th	3
19.	Power System-II	EE602	6th	3
20.	Control System-II	EE603	6th	3
21.	Microprocessor and Microcontroller Lab	EE691	6th	1.5
22.	Power System Laboratory – II	EE692	6th	1.5
23.	Control System Laboratory-II	EE693	6th	1.5
24.	Electrical Drives	EE701	7th	3
25.	Electrical Drives Lab	EE791	7th	1.5

e) Subjects under Professional Electives (PE) Category:

Sl. No.	Subject Name	Subject Code	Semester	Credit
1.	Program Elective – I A. Electrical Energy Conservation and Auditing. B. Electromagnetic Waves C. Illumination Engineering	EE505	5th	3
2.	Program Elective – II A. Digital Signal Processing B. High Voltage Engineering C. Computer Architecture	EE605	6th	3
3.	Program Elective - III A. Power System-III B. Restructured Electrical Power System C. Computer Applications in Power System	EE703	7th	3
4.	Program Elective - IV A. Power System Dynamics and Control. B. Power Quality and FACTS. C. HVDC Transmission Systems	EE704	7th	3
5.	Program Elective – V A. Wind and Solar Energy Systems. B. Utilization Of Electric Power C. Line Commutated and Active Rectifiers	EE801	8th	3
6.	Program Elective – VI A. Advanced Electric Drives. B. Control Systems Design. C. Industrial Electrical System	EE802	8th	3

f) Subjects under Open Elective (OE) Category:

Sl. No.	Subject Name	Subject Code	Semester	Credit
1.	Open Elective - I A. Data Structure B. Computer Network C. Internet of Things	EE504	5th	3
2.	Open Elective - I Lab A. Data Structure lab B. Computer Network Lab C. Internet of Things Lab	EE594	5th	1
3.	Open Elective - II A. Data Base Management System B. Embedded Systems C. Software Engineering	EE604	6th	3
4.	Open Elective – II Lab A. Data Base Management System Lab B. Embedded Systems Lab C. Software Engineering Lab	EE694	6th	1.5
5.	Open Elective - III A. Object oriented programming using JAVA. B. Big Data Analysis C. Digital Image Processing	EE702	7th	2
6.	Open Elective - III Lab A. Object oriented Programming Lab. B. Big Data Analysis Lab C. Digital Image Processing Lab.	EE792	7th	1

g) Subjects under Project work, seminar, internship (PW) Category:

Sl. No.	Subject Name	Subject Code	Semester	Credit
1.	Electrical System Design and Mini Project-I	EE481	4th	2
2.	Electrical Machine Design and Mini Project-II	EE581	5th	2
3.	FINAL PROJECT Stage-I	EE781	7th	3
4.	Report writing and seminar presentation on industrial training/Internship	EE782	7th	2
5.	FINAL PROJECT Stage-II	EE881	8th	8

h) Subjects under Environmental Science, Co & extracurricular activities (Non-Credited MC) Category:

Sl. No.	Subject Name	Subject Code	Semester	Credit
1.	Extra-Curricular Activity I	XC181	1st	0
2.	Extra-Curricular Activity II	XC281	2nd	0
3.	Environmental Science	MC301	3rd	0
4.	Basic innovations, Creativity& Aptitude	MC381	3rd	0
5.	Quantitative aptitude and Group Discussion	MC681	6th	0

Implementation Scheme of Mandatory Project Work:

Semester	Credit	Number of papers to be assessed under mandatory project
1st	1	Two (0.5 Credit per paper)
2nd	1	Two (0.5 Credit per paper)
3rd	2	Four (0.5 Credit per paper)
4th	2	Four (0.5 Credit per paper)
5th	2	Four (0.5 Credit per paper)
6th	2	Four (0.5 Credit per paper)
Total	10	

Mandatory Project Work
For B.Tech Students from AY 2018-19
(1st semester to 6th Semester)

a. **Each Project Work will carry 0.5 Credit Point**

b. In the 1st and 2nd semester, students will do project work on any two subjects. The Choice of the subject on which a student wants to carry out his/her project work solely depends on the student. A Student can choose any 2 subjects of his/her own choice.

c. In upper semesters like 3rd, 4th, 5th and 6th, the total credit allocation is 2 for each semester. Hence, a student will have to carry out 4 project works to score 2 credits

d. In 7th and 8th Semester, there will be no separate project work like previous semesters, since they have Major Project Work with high credit point

e. Each Project will have total 100 marks

f. Below given Table shows the allocation of credit and marks:

Semester	**Total Credit Point**	**No. of Project to be carried out (Choice Based)**	**Marks allocation in each project**	**Total Marks allocated in Project Works**
1st Year				
1st Semester	0.5+0.5=1.0	2	100	200
2nd Semester	0.5+0.5=1.0	2	100	200
2nd Year				
3rd Semester	1.0+1.0=2.0	4	100	400
4th Semester	1.0+1.0=2.0	4	100	400
3rd Year				
5th Semester	1.0+1.0=2.0	4	100	400
6th Semester	1.0+1.0=2.0	4	100	400
Total Credit	**10**			

Format for Project Work Evaluation (B.Tech)

College Name: **Department :**

Paper Name : **Paper Code :**

STREAM : **Semester :**

University Roll No.	Name of the Student	Title of the Project	Semester Examination								
			Project Report (10)	Development of Prototype/ Model (20)	Power point presentation (15)	Viva-Voce (15)	Usage of Modern Tool / Technology (10)	Innovative-ness (10)	Individual contribution (10)	Group activity (10)	Total (100)

(Signature of the Project Supervisor(s)) (Signature of the HoD)

Guidelines for execution of mandatory Project Work

1. Student will carry out project work on any two of the relevant papers in each semester of 1st year and any four of the relevant papers in each semester of 2nd and 3rd year.
2. Number of students under a given project would be decided by the Head of Dept. However, maximum number of students under a given project should not cross five.
3. Within one month of the commencement of the new semester, each student will identify and confirm the selection of subjects under which project works will be carried out and accordingly, continuous project work evaluation will be carried out by the respective supervisor
4. Credit point allocation on each project is 0.5
5. A 'Digital Repository' would be created about project work/presentation of a given student and same has to be maintained for all 4 years, so that the student can realize his/her gradual development with semesters.
6. In a semester, there would be at least two interim evaluation about the progress of project work (should be carried out along with Unit Tests I and II) followed by final assessment in the end semester examination.
7. 50% of the project will be evaluated by project guide and rest of 50% will be evaluated by external expert.(average value will be taken}

Assessment Guideline of Power Point Presentation (15):

i) Body language (5 marks) ii) Communication Skills (5 marks) iii) Content of the power point presentation (5 marks)

MOOCs Courses
For B.Tech Students for AY 2018-19
(1st Semester to 8th Semester)

Total Credit for MOOCs Subjects will be 10.

List of websites which offers online certification Courses

Sl. No.	Online Cerification Courses	Website
1.	Swayam	https://swayam.gov.in/
2.	NPTEL	https://onlinecourses.nptel.ac.in/
3.	MOOC	http://mooc.org/
4.	Edx	https://www.edx.org/
5.	Coursera	https://www.coursera.org/
6.	Udacity	https://in.udacity.com/
7.	Udemy	https://www.udemy.com/
8.	Khan Academy	https://www.khanacademy.org/
9.	Skillsahre	https://www.skillshare.com/
10.	Harvard University	https://online-learning.harvard.edu/
11.	Ted	https://ed.ted.com/
12.	Alison	https://alison.com/
13.	Futurelearn	https://www.futurelearn.com/
14.	Web Development	https://digitaldefynd.com/best-free-web-development-courses-tutorials-certification/
15.	Digital Marketing	https://digitaldefynd.com/best-free-digital-marketing-certifications/
16.	ios app development	https://digitaldefynd.com/best-ios-app-development-course-tutorial/
17.	Open Learn	http://www.open.edu/openlearn/
18.	Future Learn	https://www.futurelearn.com/
19.	Tuts Plus	https://tutsplus.com/
20.	Open Culture	http://www.openculture.com/

For Honors additional 10 Credit Point is to be earned (1st Sem to 8th Sem) through MOOCs courses. All the Certificates received by the students across all semester for MOOCs Courses from approved organization (Listed by AICTE / MAKAUT) is to be submitted to CoE office prior to 8th Semester Examination and the Credit earned through MOOCs courses will be reflected in their DGPA.

Activity Heads and Sub-Activity Heads along with their capping of the Activity Points that to be earned by the students during the entire B.Tech duration.

Sl. No.	Name of the Activity	Points	Maximum Points Allowed
1.	MOOCS (SWAYAM/NPTEL/Spoken Tutorial) (per course)	20	40
2.	Tech Fest/Teachers Day/Freshers Welcome		
	Organizer	5	10
	Participants	3	6
5.	Rural Reporting	5	10
6.	Tree Plantation (per tree)	1	10
7.	Participation in Relief Camps	20	40
8.	Participation in Debate/Group Discussion/ Tech quiz	10	20
9.	Publication of Wall magazine in institutional level (magazine/article/internet)	10	20
10.	Publication in News Paper, Magazine & Blogs	10	20
11.	Research Publication (per publication)	15	30
12.	Innovative Projects (other than course curriculum)	30	60
13.	Blood donation	8	16
	Blood donation camp Organization	10	20
15.	Participation in Sports/Games		
	College level	5	10
	University Level	10	20
	District Level	12	24
	State Level	15	30
	National/International Level	20	20
21.	Cultural Programme (Dance, Drama, Elocution, Music etc.)	10	20
22.	Member of Professional Society	10	20
23.	Student Chapter	10	20
24.	Relevant Industry Visit & Report	10	20
25.	Photography activities in different Club(Photography club, Cine Club, Gitisansad)	5	10
26.	Participation in Yoga Camp (Certificate to be submitted)	5	10
27.	Self-Entrepreneurship Programme	20	20
28.	Adventure Sports with Certification	10	20
29.	Training to under privileged/Physically challenged	15	30
30.	Community Service & Allied Activities	10	20

Record of Activities for Mandatory Additional Requirement

College Name (College Code):							Department:					
Student Name:		University Roll No:					Registration No:					
Sl No	Activity	Points	Max. Points Allowed	Points Earned								
				Sem1	Sem2	Sem3	Sem4	Sem5	Sem6	Sem7	Sem8	Total
1	*MOOCS (SWAYAM/NPTEL/Spoken Tutorial) per course*											
	For 12 weeks duration	**20**	**40**									
	For 8 weeks duration	**16**										
2	*Tech Fest/Teachers Day/Freshers Welcome*											
	Organizer	**5**	**10**									
	Participants	**3**	**6**									
3	Rural Reporting	**5**	**10**									
4	Tree Plantation and up keeping (per tree)	**1**	**10**									
5	Participation in Relief Camps	**20**	**40**									
6	Participation in Debate/Group Discussion/ Tech quiz	**10**	**20**									
7	*Publication of Wall magazine in institutional level (magazine/article/internet)*											
	Editor	**10**	**20**									
	Writer	**6**	**12**									
8	Publication in News Paper, Magazine & Blogs	**10**	**20**									
9	Research Publication (per publication)	**15**	**30**									
10	Innovative Projects (other than course curriculum)	**30**	**60**									
11	Blood donation	**8**	**16**									
	Blood donation camp Organization	**10**	**20**									

Record of Activities for Mandatory Additional Requirement (Contd.)

Sl No	Activity	Points	Max. Points Allowed	Points Earned								
				Sem1	Sem2	Sem3	Sem4	Sem5	Sem6	Sem7	Sem8	Total
12	*Participation in Sports/Games*											
	College level	**5**	**10**									
	University Level	**10**	**20**									
	District Level	**12**	**24**									
	State Level	**15**	**30**									
	National/International Level	**20**	**20**									
13	Cultural Programme (Dance, Drama, Elocution, Music etc.)	**10**	**20**									
14	Member of Professional Society	**10**	**20**									
15	Student Chapter	**10**	**20**									
16	Relevant Industry Visit & Report	**10**	**20**									
17	Photography activities in different Club(Photography club, Cine Club, Gitisansad)	**5**	**10**									
18	Participation in Yoga Camp (Certificate to be submitted)	**5**	**10**									
19	Self-Entrepreneurship Programme	**20**	**20**									
20	Adventure Sports with Certification	**10**	**20**									
21	Training to under privileged / Differently abled	**15**	**30**									
22	Community Service & Allied Activities	**10**	**20**									
Total Points												
Signature of Mentor												
Signature of HoD												