

Guidelines for Project Work at B.E. Electrical

All the students of B.E. Electrical are hereby informed that the schedule of Project work during year 2020-2021 is given below.

The student shall take up suitable project from various below mentioned areas. The scope of the project shall be such as to complete it within the time schedule. An individual can undertake project but maximum number of students in one group should not be more than three (only in exceptional cases a maximum four no. of students can be allowed by Head of the Department). Has to maintain the progress report time to time as per given format otherwise project is not accepted. The project may be of the following nature:

Electrical Field

This is not limited to following subtopics

1. **Electrical Power System:-**
 - i. Substation
 - ii. Substation Grounding
 - iii. Load Flow Analysis
 - iv. Line Design
 - v. Power Line Carrier Communication
 - vi. Power Line Carrier Communication By SCADA
 - vii. Tariff
 - viii. Reactive Power tariff
 - ix. Available Base Tariff
 - x. Reactive Power Compensation
 - xi. Cogeneration
2. **Electrical Machines: -**
 - i. Traction
 - ii. Vector Control
 - iii. Machine Modeling
 - iv. Drives Control
 - v. Special Machine Control
 - vi. Starter control Soft Control
3. **Control System :-**
 - i. Sliding Mode Control
 - ii. Neural Network
 - iii. Fuzzy Logic
 - iv. Robotics
 - v. Digital Control System
4. **Renewable Energy: -**
 - i. Wind Energy
 - ii. Solar Energy
 - iii. Tidal Energy
 - iv. Micro Hydro Power Energy
 - v. Maximum Point Tracking in Wind
 - vi. Maximum Point Tracking in Solar
5. **High Voltage Engineering:-**
 - i. Testing of Equipments
 - ii. Measurement of AC/DC Impulse Voltage
6. **Electronics :-**
 - i. Inverter
 - ii. Chopper
 - iii. Converter
 - iv. Cyclo converter

Following Broad Area can be used for above mentioned field to develop the project

1. Manufacturing / Fabrication of a prototype unit including selection, concept, design, material, manufacturing the component, assembly of components, testing and performance evaluation.
2. Improvement of the existing equipment / process.
3. Computer aided design, analysis of components.
4. Problems related to productivity improvement.
5. Problems related to value engineering.
6. Problems related to material handling systems.
7. Energy audit of organization.
8. Detail cost estimation of products.
9. Quality improvement systems and management.
10. Low cost automation etc.
11. Renewable Energy.
12. Energy Conservation.
13. Software based for any application in electrical engineering.

Submission of Report:

The student shall submit the detailed report based on his/her project work to his/her internal guide. It shall include relevant circuit diagrams, graphs, photographs, specification sheets etc.

Sr. No.	Project work	Dates
1	Formation of group & Choice of Guide (Maximum 03 students per Group)	05/01/2021 to 08/01/2021
2	Submission of Project title approved by Guide To BE Project Coordinator	Till 11/01/2021
3	Finalization of Guide allotment	14/01/2021

All the students must prepare their project report as per Guidelines Displayed only.

Any change in Project Title or Group will not be allowed without permission from coordinator.

All the Guides are requested to note the dates & observe above schedule strictly.

N. B. If students fail to form group & select the Guide as per the mentioned date, Project Coordinator in coordination with HOD Electrical will form the group & the Guide will be allotted.

Prof. G. K. Shirsat
BE Project Coordinator

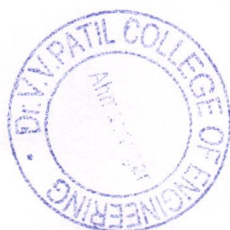
Copy to

- 1) Notice Board
- 2) All Teaching Staff members ----- for circulation
- 3) O/C

Name of Project Guides:-

1. Dr. A. R. Laware
2. Prof. S. A. Markad
3. Prof. S. K. Sheikh
4. Prof. M. H. Nerkar
5. Prof. K. R. Ghadge
6. Prof. R. A. Wakale
7. Prof. S. K. Awaze
8. Prof. G. K. Shirsat
9. Prof. G. B. Murade
10. Prof. S. B. Joshi
11. Prof. S. S. Mandhare

AK Laware
Head
Electrical Engineering Dept.
5.1.2021



Dr. V. Patil
PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Dr. Vithalrao Vikhe Patil College of Engineering, Viladghat, Ahmednagar.

Department of Electrical Engineering

B. E. Electrical

Acedamic Year 2020-21

Date:- 10/01/2021

Project Group & Guide Allotment

Sr. No.	Project Group No	Roll No	Name of Student	Guide
1	I	40	GAIKWAD SANGHAMITRA PRAKASH	Prof. M. H. Nerkar
2		44	JADHAV BHAGYASHRI SUNIL	
3		41	SHELKE VAISHNAVI BHIMRAJ	
4	II	3	DESHIPANDE AKANKSHA ABHAY	Prof. S. S. Mandhare
5		69	PATEKAR SHEETAL	
		14	SHINDE ANKITA RAJU	
6		68	DESHMUKH PRAMODIN EKNATH	
7	III	54	SHINDE ANIKET PRABHAKAR	Prof. K. D. Vidhate
8		23	SURVE SHUBHAM KAILAS	
9		18	DAYMA SUDHANSHU RAJESH	
10	IV	10	PAGARE POONAM VIJAY	Prof. S. S. Mandhare
11		5	KAVADE SUSHMITA RAVINDRA	
12		12	SALI SRUSHTI RAMDAAS	
13	V	30	RAUT PRANAV SANDIP	Prof. G. K. Shirsat
14		42	DHABADGAONKAR GAYATRI ANAND	
15		32	SONAWANE DIVYA RAJU	
16		7	LAHANGE GAURI SHIVAJI	
17	VI		ATHARE KSHAMA ROHIDAS	Prof. S. K. Sheikh
18		17	ZINE SUPRIYA KAILAS	
19		2	DASPUTE SHIVPRIYA SURESH	
20	VII	46	THOMBARE MONALI MAHADEO	Dr. A. R. Laware
21		21	KAMBLE AKSHATA VISHNU	
22				
23	VIII	26	KAMBLE NIKITA SANJAY	Dr. A. R. Laware
24		19	JHA JYOTIKUMARI MANOJKUMAR	
25		59	LANDAGE DHANASHREE POPAT	
26		57	AHER TEJASWINI SAHEBRAO	

Sr. No.	Project Group No	Roll No	Name of Student	Guide
27	IX	9	LOKHANDE DIPRA UMESH	Prof. S. K. Sheikh
28		6	KODAM AISHWARYA DEVIDAS	
29		16	ZANJE PRAJAKTA BHAIKUNATH	
30	X	1	CHAVAN SANKALP SANJAY	Prof. S. K. Sheikh
31		22	KOKARE SATYAJEET RAJENDRA	
32		45	SATRE MAHESH PARASRAM	
33	XI	31	SHINDE VAISHNAVI PANDURANG	Prof. K. D. Vidhate
34		43	GOSKI VAISHNAVI JAYVANT	
35		27	DAUND ASHWINI DHARMA	
36	XII	8	LANDE NISHANT RAVINDRAKUMAR	Prof. K. D. Vidhate
37		13	SALVE ROHIT RAJU	
38		4	GHUGARE POOJA SHRIKANT	
39	XIII	28	LEKURWALE AMOL ANNASAHAB	Prof. S. K. Awaze
40		33	WAGHAMARE PANDURANG GANESH	
41		51	PURI SANKET BADKINATH	
42		53	MOMALE ABHISHEK SHEKHAR	
43	XIV	62	DARADE SHITAL BANDU	Prof. G. K. Shirsat
44		47	WAVHAL PRIYANKA DHARMRAJ	
45		34	VARADE BAJRANG UTTAM	
46	XV	11	RUPNWAR VISHAL TATYABA	Prof. S. B. Joshi
47		38	RAUT ANIKET GOVINDA	
48		70	THODSARE DHIRAJ KESHAVRAO	
49	XVI	56	HARKE RUSHIKESH GANESH	Prof. S. B. Joshi
50		79	YADAV AJAY SURENDRA	
51		78	WARE PRATIK RAJENDRA	
52	XVII	52	GAYKE SAURAV BABASAHAB	Prof. S. K. Awaze
53		49	BANKAR SARTHAH RAHUL	
54		50	PATIL PRATIK ANKUSH	
55	XVIII	36	HARIHAR KIRAN RAJENDRAKUMAR	Prof. G. B. Murade
56		37	KARKHELE ABHAY CHANDRAKANT	
57		39	SHARMA YASH PANKAJ	

Sr. No.	Project Group No	Roll No	Name of Student	Guide
58	XIX	64	LAWANDE SHIVAM NANDKUMAR	Prof. S. S. Mandhare
59		63	KARALE RUSHIKESH ADINATH	
60		77	SHALGAR SUMIT KIRAN	
61	XX	24	ADMANE DATTA PRAKASH	Prof. M. H. Nerkar
62		25	GAIKE SWAPNIL SHANKAR	
63		29	MUNDHE MANGESH BHASKAR	
64	XXI	61	MUSMADE JAYDEEP APPASAHEB	Prof. G. B. Murade
65		67	VYAVAHARE VISHAL BABAN	
66		20	RAHINJ VIDYADHAR MARUTI	
67	XXII	58	EKAM SANKET SUKHDEO	Prof. G. K. Shirsat
68		60	MHASKE HARSHAL BANDU	
69		55	KAKADE SUDEEP BALASAHEB	
70	XXIII	15	TIKKAL SONALI MACHINDR	Prof. S. A. Markad
71		35	BARDE BALASAHEB GOKUL	
72		48	ADHAV SHUBHAM VILAS	
73		65	SANAP ASHWINI BALASAHEB	
74	XXIV	66	DANGE DATTATRAY SAHEBRAO	Prof. G. B. Murade
75		72	UBALE GOPAL GOVARDHAN	
76		73	PUND AKSHAY SHIVAJI	
77		73	KHANNA ROHIT BALRAJ	

Project & Seminar Coordinator
Electrical Engg. Dept.

AK Sandne
HOD
Electrical Engg. Dept.

Sr. No	Name of staff	Total Groups Alloted
1	Dr. A. R. Laware	2
2	Prof. S. A. Markad	1
3	Prof. S. K. Sheikh	3
4	Prof. M. H. Nerkar	2
5	Prof. K. D. Vidhate	3
6	Prof. S. K. Awaze	2
7	Prof. G. K. Shirsat	3
8	Prof. G. B. Murade	3
9	Prof. S. B. Joshi	2
10	Prof. S. S. Mandhare	3
Total		24



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