

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 2017-2018 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 Electrical Field	on or before 29/06/2017
2	Submission of Group (Maximum 03 students per Group) To BE Project Coordinator	on or before 29/06/2017
3	Allotment of Guide	on or before 04/07/2017
4	Submission of Project Title related to given field	on or before 17/07/2017
5	Review/ Progress report of proposed project work.	Fortnightly
6	Approval & finalization of Project Report from Coordinator & Guide	Up to 15/03/2018
7	Brief Demo & Submission of Certified Project Report	02/04/2018 & 04/04/2018

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, in that case 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. Prof. S.A. Markad
2. Prof. S.K. Sheikh
3. Prof. M.H. Nerkar
4. Prof. K. R. Ghadge
5. Prof. R.A. Wakale
6. Prof. S.K. Awaze

7. Prof. Sumit Kimar
8. Prof. G. K. Shirsat
9. Prof. A. P. Wankhade
10. Prof. G. B. Murade
11. Prof. S. B. Joshi
12. Prof. S. S. Mandhare



PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Head
Electrical Engineering Dept.

Department of Electrical Engineering

B. E. Electrical

Academic Year 2017-18

Date:- 07/07/2017

Project Group & Guide Allotment

Sr. No.	Roll No	Name of Student	Guide
1	16	HAJARE KULDEEP SHAMRAO	Prof. Sumit Kumar
2	10	DHOTRE AKSHAY RAVINDRA	
3	5	BORUDE SANTOSH MAHADEV	
4	2	BANSODE KRUSHNA VITTHAL	Prof. A. P. Wankhade
5	7	DANDGE DNYANESHWAR BABURAO	
6	55	KAWARKHE MAHESH P	
7	8	DHAGE POONAM VITTHAL	Prof. S. K. Awaze
8	9	DHAWALE SHEETAL DADABHAU	
9	15	GOLHAR PRITI PANDURANG	
10	45	TULANKAR HITESH BHASKARRAO	Prof. S. K. Sheikh
11	24	KULKARNI MAYURESH SATISH	
12	39	SAYYED MOHD. USAMA ASIF	
13	27	MARKAD NIKITA SATISH	Prof. M. H. Nerkar
14	52	SASWADKAR SMITA	
15	46	WELPULWAR ANMOL AVINASH	
16		VAIDYA TRUPTI A	
17	17	HARNEKAR AADAM ISMAIL	Prof. R. A. Wakale
18	20	KHADE GANESH PRABHAKAR	
19	12	EKBOTE AKSHAY GIRISH	
20	33	PAWADE SHUBHAM SANJIVAN	Prof. S. B. Joshi
21	22	KOKATE ISHWAR MARUTI	
22		CHAUDHARI VISHAL R	
23	28	MUNDHE PRIYANKA RAJEMDRA	Prof. K. R. Ghadge
24	41	SHINDE AMRUTA UTTAM	
25	34	PHATALE SNEHA SOMNATH	
26	32	PARAD VAISHALI ANNASAHEB	
27	23	KSHIRSAGAR PRIYANKA AVINASH	Prof. G. K. Shirsat
28	11	DHUMAL SWEETI SOPANRAO	
29	21	KHILARI KOMAL SAHEBRAV	
30	26	LAHAMGE DEEPALI BALU	
31	13	GAIKWAD SHUBHAM SHAMRAO	Prof. S. A. Markad
32	3	BHANGARE GANESH YASHWANT	
33	37	ROKADE NAGESHWAR BAJIRAO	
34	42	SHINDE RAJESH MAROTIRAO	
35	31	NIRMAL AKASH PANDHARINATH	Prof. G. B. Murade
36	18	KALE SUSHANT RAMAKANT	
37	14	GAVHANE VISHAL NANDU	
38	25	KUTE DHANANJAY NAVNATH	

Sr. No.	Roll No	Name of Student	Guide
39	47	VISHWAMBHAR SURAJ PRAMOD	Prof. Sumit Kumar
40	40	SHEJUL AJAY VITTHALRAO	
41	53	PACHARNE MAHIMA S.	
42	49	SHIMPI HIMANI S.	
43	54	TAMBE MANOJ B.	Prof. S. S. Mandhre
44	19	KELE ROHIT SATISH	
45	50	MANCHARE NITIN A.	
46	48	DONGRE VIDYA G.	
47	35	POTE PRATIK RAJESH	Prof. R. A. Wakale
48	38	SANAP BHARAT BABAN	
49		BHAD YOGESH B.	
50	4	BOKANKAR NIKITA LAKSHMIKANT	
51	29	NAGTILAK KUNDAN PARMESHWAR *SKS	
52	30	NAIKWADE SOMSHEKHAR PANDIT KAG	
53	36	RATHOD PRAVIN ROHIDAS *RAW	
54	43	SHRISUNDAR VIJAY BALKRUSHNA	
55	44	SONAWANE AJINKAY DILIP	
56	1	BANGAR SANDIP SUGRIV *GPM	
57	6	CHOUDHARY SHUBHAM MADAN	

Sumit
7-7-17.
Project & Seminar Coordinator
Electrical Engg. Dept.

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