

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 2019-2020 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	on or before 17/07/2019
2	Submission of Group (Maximum 03 students per Group) list approved by Guide To BE Project Coordinator	on or before 17/07/2019
3	Submission of Project Title approved by Guide To BE Project Coordinator	on or before 24/07/2019
4	Review of proposed project work.	19/08/2019 & 20/08/2019
5	Approval of Project Report from Guide & finalization of report	Up to 03/04/2020
6	Brief Demo & Submission of Certified Project Report	09/04/2020 & 10/04/2020

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. 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 Kumar

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
13. Prof. P. U. Raut



PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Head 10/7/2019
Electrical Engineering Dept.

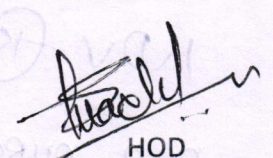
Project Group & Guide Allotment

Sr. No.	Project Group No	Roll No	Name of Student	Guide
1	I	17	JOSHI DEEPIKA RAJNISH	Prof. G. K. Shirsat
2		38	NAWALE VAIBHAVI RAJESH	
3		67	ZIRMITE SAYALI VILAS	
4	II	8	GHUMARE SAGAR RAMDAS	Prof. S. S. Mandhare
5		29	LONDHE SAURABH ARJUN	
6		41	PATIL KALPESH RADHESHAM	
7	III	19	KALE TUKARAM MAHADEO	Prof. K. D. Vidhate
8		35	MUNGASE SANDIP BAPURAO	
9		63	VARE DIPAK ANNASAHEB	
10	IV	27	LENDE PRAMOD DATTU	Prof. A. P. Wankhade
11		30	MARGAYE NIKHIL PUNDLIK	
12		31	MHASKE NIKHIL SANJAY	
13	V	24	KHAJINDAR SHUBHAM KISHOR	Prof. K. D. Vidhate
14		36	NALE SANKET SANJAY	
15		43	PAWAR YOGIRAJ ASHOK	
16	VI	5	BHIRUD POOJA KHEMCHAND	Prof. K. D. Vidhate
17		77	SHENDGE MANISHA	
18		15	JANGALE PRAJAKTA RAJENDRA	
19	VII	13	JAGTAP SHITAL RAMESH	Prof. R. A. Wakale
20		69	KHAIRNAR MANSI GULAB	
21		73	SARBANDE AMIT SHRAVAN	
22	VIII	11	JADHAV SUDARSHAN SHIVAJI	Prof. M. H. Nerkar
23		32	MISAL BALU JAGANNATH	
24		55	SURADKAR SHUBHAM PRABHAKAR	
25	IX	7	DESHMANE NIKHIL RAJENDRA	Prof. S. K. Awaze
26		12	JADHAV SUKANYA KAILAS	
27		64	WANDHEKAR MEGHANA NAVNEET	
28	X	28	LITE KUNAL RAGHUNATH	Prof. G. B. Murade
29		58	TAMBOLI HARSHAL RAJENDRA	
30		22	KANADE MITHIL RAUSAHEB	
31		46	SHARDUL KRUSHNAKANT SURESH	

Sr. No.	Project Group No	Roll No	Name of Student	Guide
32	XI	18	KACHARE TUSHAR RAMNATH	Prof. S. K. Sheikh
33		34	MULIK SNEHAL BALASAHEB	
34		61	UBALE NIKITA POPAT	
35	XII	37	NARWADE PRASHANT VASANT	Prof. G. B. Murade
36		52	SHIRSATH AJAY SUNIL	
37		53	SHIRSATH VIKRAM BABASAHEB	
38	XIII	6	DASAR SHRUTIKA ASHOK	Prof. S. K. Awaze
39		45	SAPKAL SHWETA TEJRAO	
40		75	MAGAR HARSHAL BALASAHEB	
41	XIV	4	BHANGALE NILESH UMAKANT	Prof. G. K. Shirsat
42		9	GURAV URVESH YASHWANT	
43		16	JAWALE SURAJ ASHOK	
44	XV	20	KALE PRIYANKA RAMCHANDRA	Prof. S. B. Joshi
45		49	SHINDE DIPALI ASHRU	
46		65	WANKAR AAKANKSHA BHAGWAN	
47	XVI	10	JADHAV RAJNIGANDHA SANJAY	Prof. R. A. Wakale
48		21	KALE VISHAL MUKUNDARAO	
49		66	WAYCHAL NISHA JUGALKISHOR	
50	XVII	26	KULKARNI MAYURESH SATISH	Prof. S. S. Mandhare
51		42	PATIL PANKAJ DYANESHWAR	
52		59	THOTE ANAND KAILAS	
53	XVIII	3	BHALERAO ATISH BAJIRAO	Prof. P. U. Raut
54		47	SHELKE ABHIJEET ASHOKRAO	
55		56	SWAMI OMKAR RAJESH	
56		70	KHOBRADE Kшетан KESHAVRAO	
57	XIX	1	ABHANE SANKET MACHINDRA	Prof. S. K. Sheikh
58		57	TAMBE AKASH BABASAHEB	
59		33	MULAY DEVIKA MANOJ	
60		44	RAUL URMILA SANTOSH	
61	XX	14	JAMBHULKAR MAHESH VISHVANATH	Prof. P. U. Raut
62		74	SAYYAD SHEHBAJ RAFIK	
63		71	MOURYA SURAJ HARIOM	
64		50	SHINDE SANKET ASHOK	

Sr. No.	Project Group No	Roll No	Name of Student	Guide
65	XXI	23	KARAMPURI POOJA RAGHUNATH	Prof. M. H. Nerkar
66		62	VALLAKATTI SAMPADA SUDHAKAR	
67		39	NEVE RAJ VIJAY	
68		48	SHEWALE BABASAHEB ROHIDAS	
69	XXII	40	PATIL AKSHAY SUDHAKAR	Prof. M. S. Khande
70		2	ANDHALE GAURAV CHANGDEO	
71		51	SHIRSAT ROHAN SURESH	


Project & Seminar Coordinator
Electrical Engg. Dept.


HOD
Electrical Engg. Dept.

Sr. No	Name of staff	Total Groups Alloted
1	Prof. S. A. Markad	0
2	Prof. S. K. Sheikh	2
3	Prof. M. H. Nerkar	2
4	Prof. K. D. Vidhate	3
5	Prof. S. K. Awaze	2
6	Prof. G. K. Shirsat	2
7	Prof. G. B. Murade	2
8	Prof. R. A. Wakale	2
9	Prof. A.P. Wankhade	1
10	Prof. P.U. Raut	2
11	Prof. M. S. Khande	1
12	Prof. S. B. Joshi	1
13	Prof. S. S. Mandhare	2
Total		22




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