

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 2016-2017 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). 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.

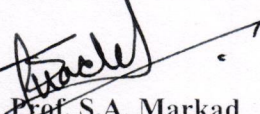
Sr. No.	Project work	Dates
1	Formation of group & Choice of Electrical Field	on or before 24/06/2016
2	Submission of Group (Maximum 03 students per Group) To BE Project Coordinator	on or before 24/06/2016
3	Allotment of Guide	on or before 28/06/2016
4	Submission of Project Title related to given field	on or before 22/07/2016
5	Review of proposed project work.	03/10/2016 & 04/10/2016
6	Approval of Project Report from Guide & finalization of report	Up to 21/03/2016
7	Brief Demo & Submission of Certified Project Report	31/03/2017 & 01/04/2017

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.

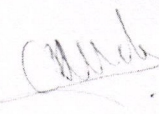

Prof. S.A. Markad
BE Project Coordinator

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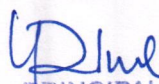
- 1) Notice Board
- 2) All Teaching Staff members ----- for circulation
- 3) O/C

Name of Project Guides:-1)

- 2) Prof. M.G. Unde
- 3) Prof. S.A. Markad
- 4) Prof. S.K. Sheikh
- 5) Prof. M.H. Nerkar
- 6) Prof. R.A. Wakale
- 7) Prof. S.K. Awaze
- 8) Prof. Sumit Kimar


Professor & Head
Electrical Engineering




PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Padmashri Dr. Vithalrao Vikhe Patil College of Engineering, Viladghat, Ahmednagar.
Department of Electrical Engineering.

Date:-
16/08/2016

**Project
Allotment of Project Guides**

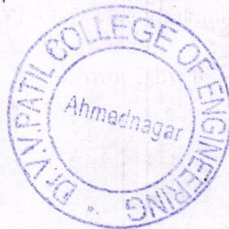
Group No.	Name of Students in Group	Proposed Broad Area of Project	Name of Project Guide
1.	Dange Mahesh Pandurang Joshi Akshay Ashok Kakade Ganesh Bhagwan Kale Akshay Krishna	Electrical Machine	Prof. M.G. Unde
2.	Acharya Ashish Ankush Londhe Vijendra Devarao Magar Sunil Digambar Lonkar Nitin Janku	Renewable Power	Prof. S.A. Markad
3.	Khot Vishal Somnath Kumthekar Dhanaji Keshav Tavhare Vaibhav Dattatraya Ugale Rahul Shivaram	Earthing	Prof. M.G. Unde
4.	Bade Pramod Ankush Bhusari Shubham Machindri Tambe Mahesh Raosaheb Zinje Aditya Shankar	Electrical Machine	Prof. R.A. Wakale
5.	Konda Purushottam Suryakant Shelke Yoganand Babasaheb Anjan Suraj Sudhakar Adgale Pradip Balaji	Renewable Energy	Prof. S.A. Markad
6.	Ghorpade Tejas Mahadev Kharde Gautam Arun Khedkar Manoj Mahadev Sarode Amrut Bhausaheb	Electrical Machines	Prof. R.A. Wakale
7.	Funde Ganesh Popat Gaikwad Prashant Vitthal Nawale Sushant Sanjay	Switch Gear & Protection	Prof. M.G. Unde
8.	Bhavar Anil Bapurao Sonawane Sagar Ravindra Thamke Sumedh Arun Choubey Manishkumar Srikrishna	Control System	Prof. M.H. Nerkar
9.	Jadhav Ravindra Chabu Narad Mayur Tanhaji Pansande Dinesh Nayan Pathak Sandeep Navnath	Power Electronics	Prof. S.A. Markad
10.	Dawange Harshada Devidas Dolas Bhagyashri Ashok Kedar Vrushali Appasaheb Tathe Rashimi Dilip	Power System	Prof. S.K. Awaze
11.	Bachkar Shubhangi Vijay IppalPELLI Neha Chandrakant Jadhav Rutuja Sharad Shaikh Afasana Chand	Electrical Machines Soft Control	Prof. R.A. Wakale

12.	Borkar Tejaswini Kashinath Dandawate Anant Kamalakar Nirmal Akshay Ramnath Nirmal Aniket Lahu	Digital Control of Motor Vehical	Prof. M.H. Nerkar
13.	Gurme Neha Ramdas Kulkarni Shubhangi Govindrao Pisal Asha Vinayak Shendage Priyanka Pandurang	Power System	Prof. S.K. Awaze
14.	Adhav Preeti Prashant Bobade Poonam Subhash Nandankar Pooja Kishor Kanojia Pratibha Fulchand	Power System , Substation	Prof. M.G. Unde
15.	Mali Arvind Anil Mitkari Vijay Mallikarjun More Rakesh Suresh	Electrical Machines	Prof. Sumit Kumar
16.	Chonker Harsh Arun Kolhatkar Dhiren Hemant Lasgare Praneet Jayraj Sharma Aniket	Renewable Energy	Prof. S.A. Markad
17.	Yafai Abubakar Abdulrab Chandar Sumit Ramnath Adhav Balasaheb Sanjay	High Voltage Engg.	Prof. S.K. Sheikh
18.	Ambekar Vaibhav Chandrakant Girase Yogesh Barkusing Sindalkar Antheshwar Ishwar Narkhede Nikhil	Renewable Energy	Prof. S.K. Sheikh

Prof. S.A. Markad
BE Project Coordinator
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- 1) Notice Board
- 2) Project Guides ----- For Inf. And n.a.

Professor & Head
Electrical Engineering



Dr. Vithalrao Vikhe Patil
Principal
College of Engineering
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