



Government Engineering College Jhalawar

(AN AUTONOMOUS INSTITUTION OF GOVERNMENT OF RAJASTHAN)

Village Chandlai, Sunel Road, Tehsil-Jhalrapatan, Distt. Jhalawar -326001 (Rajasthan)

Telfax.No.+91-07432-242814 (O)242812, Email:govtecj@gmail.com, Website:www.gecj.ac.in

Ref. No.GECJ/EE/18-19/

Date: 25/07/2018

Department of Electrical Engineering

Procedure for Projects

The following is the procedure for the Projects in the 7th and 8th semester.

Step 1: *Initial Form submission*: All the students will be organized/divided into groups consist of maximum four students. Each group is required to fill and submit the duly signed form with all information filled in the format provided by the department (Annexure-I) to the project committee.

Step 2: *Allotment of Guide and Group*: A project supervisor/guide will be assigned to each group following the decision of the project committee. Each group is assigned to a faculty advisor who may follow any one of the following procedure for project identification and allotment:

- Project proposals are invited from student groups.
- In case the students are willing, projects already identified by the faculty advisor are assigned directly.
- The student groups are instructed to perform a literature survey pertaining to a specific topic, identify limitations and draft a project proposal

Step 3: *Submission of Abstract/proposal*: Each group is required to submit the abstract, appropriate keywords and relevant reference of reputed conferences/journals with consent of the project supervisor/guide in the format provided by the department (Annexure-II) to the project committee.

Step 4: *Approval of Abstract/proposal*: The abstract/proposal will be approved by the departmental advisory committee or project committee on the basis of the following points

- 1) Quality of projects.
- 2) Appropriateness and relevancy of abstract/proposal.
- 3) Appropriateness and relevancy of references.
- 4) Feasibility and importance of the projects.

Note: - See Annexure-III for further details on identification, allotment, and evaluation process.

Step 5: *Progress of projects*: After approval of the abstract/proposal, the progress of the project is monitored continuously by the supervisors/guides throughout the semester on the basis of the following points. Whose justification and record has to be submitted by concern supervisor to the department.

- 1) Regularity of the students (attendance)
- 2) Quality of work.
- 3) Significant progress.
- 4) Sincerity and involvement of each student in the group individually.

In addition, progress will be reviewed by the project committee by two/three internal assessments in the presence of respective project supervisor/guide to be held in the department.

** Guidelines for projects are given in Annexure-IV must be fulfilled.

JP *Vibha* *Ashwini*



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DEPARTMENT OF ELECTRICAL ENGINEERING

ANNEXURE – I

APPLICATION FORM FOR ALLOTMENT OF PROJECT SUPERVISOR/FACULTY GUIDE

1. Field of Interest

.....
.....

2. Name of Students

Student 1st

Email Id

Mobile No.

Student 2nd

Email Id

Mobile No.

Student 3rd

Email Id

Mobile No.

Student 4th

Email Id

Mobile No.

Any other

Email Id

Mobile No.

3. Choice of Supervisor/Faculty Guide (four)

1)

2)

3)

4)

Signature

Signature

Signature

Signature

(Name)

(Name)

(Name)

(Name)



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ANNEXURE – II

FORM FOR SUBMISSION OF ABSTARCT/PROPOSAL

1. Name of Students

.....
.....
.....

2. Field of Interest (As mentioned in the form given in Annexure-I)

.....
.....

3. Abstract/Proposal (50 to 150 words)

.....
.....
.....
.....
.....
.....

4. Keywords (minimum three keywords separated by semicolon)

.....
.....

5. References (IEEE format or any other standard format.)

Latest references preferably in the previous five years. Attach the references as a separate sheet.

Signature

Signature

Signature

Signature

(Name)

(Name)

(Name)

(Name)

AR

Vikas

Ashwini



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Annexure-III

In order to maintain high quality of student project, the following factors are given due consideration during identification, allotment, and evaluation process:

• Type

The following type of projects are encouraged in the department

- Projects are based on mathematical modelling through simulation to analyze the operation and performance under various operating conditions.
- The hardware prototyping through various building blocks are carried out in the respective laboratories for these projects.
- Students are encouraged to maintain the balance between theory and practical.

• Environment

It is ensured that the project is environment friendly

- Procurement of raw material poses no direct or indirect threat to the environment.
- Nonsignificant release of polluting gases and no insignificant waste products, which may cause pollution / proper disposal of waste.
- Project based on utilization of renewable energy sources like solar, wind, micro hydro, etc., are encouraged to save the environment.
- Projects in the area of power system protection which exclusively deal with safety aspects are also encouraged.

• Safety

It is ensured that the project follows certain safety guidelines

- The processes involved do not pose any potential threat to the safety of students and institute property.
- The students working in laboratories follow proper safety measures.
- The safety measures are provided in the laboratories.

• Ethics

It is carefully examined that the projects follow

- The topic of the project is not against the common social beliefs and values.
- No unethical means are adopted for data collection.
- Students are sensitized towards ethical aspects involving their work.

• Cost

The proposed budget (if hardware setup is proposed) is critically reviewed to justify

- Sufficient funds are available in the institute to undertake hardware projects.
- Each cost component is well justified.

JK

Vijaya

Ashwin



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Annexure-IV

Project Guidelines

- External Assessment as per Rajasthan Technical University (RTU) norms. The final examination will have Demonstration/Presentation followed by Viva-Voice.
- Three hard bound copies of B.Tech Minor Project/Major Project duly certified by the project supervisor/guide and forwarded by Head of the Department plus electronic (pdf) copy.
 - *Minor Project*: -Spiral binding with strictly both sides printing with duly signed/certified by the project supervisor/guide.
 - *Major Project*: - Hard bound with duly signed/certified by the project supervisor/guide.
 - The hardbound copy plus electronic (pdf) copy (in a CD or memory stick) of report should be deposited in the Department of Electrical Engineering.
 - Title of Minor Project/Major Project, name of the student and supervisor, year of submission must be printed embossed on the cover page of the B.Tech Minor Project/Major Project.
- Project report may be submitted in either Word or Latex format (Preferably in the Latex format).
- Projects directly purchased/readymade projects available in the market are highly objectionable and will be rejected if found at any stage during project.
- Projects related to the welfare of society/Institute/Department are highly encouraged.
- If two or more groups are willing to jointly work on a project, they may be allowed after duly permission form the department.
- Project cost (in case of hardware project) may be reimbursed as per the TEQIP-III rules or student may apply for the project cost from some funding agency. Electrical engineering Department will not bear the cost and students may bear all the cost.
- Research papers in the form of conference from the project work are highly desirable and will attract excellence in the project examination.