

Guidelines for Project Work & Lab Experiments for AMIE Exams

Presented By

AMIE(I) Study Circle, Roorkee

(A Premier Postal Coaching Institute for AMIE Exams)

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**The Institution of Engineers (India)
8, Gokhale Road, Kolkata – 700020**

*"90 Years of Relentless Journey Towards
Engineering Advancement for Nation Building"*

Ref: EEA/AKG/40.

15 Mar 11

Dear Member

PROJECT WORK AND LABORATORY EXPERIMENTS

You may be aware that a candidate is eligible for project work and laboratory experiments after securing minimum grade C in 5(five) subjects in one engineering branch of Section B as per clauses 12.1 and 13.1 of the rules (Vol. 1) of Institution examinations. After declaration of result for winter 2010 examination, it is seen that you are eligible for project work and laboratory experiments. The Grade card of winter 2010 examination is enclosed.

2. In addition, please find enclosed the following:
 - a) Guidelines for project work and laboratory experiments, including separate proforma for Project work and laboratory experiments.
 - b) List of laboratory experiments in the chosen engineering discipline; and
 - c) Names and addresses of engineering colleges/institutes for laboratory experiments in your chosen engineering discipline.
3. In case you wish to start the project work and/or laboratory experiments in this session, you are directed to return the (a) application proforma for project work; (b) application proforma for registration of laboratory experiments along with demand draft of Rs 5000/- (US \$400 for overseas candidates) and (c) choice of engineering college/institute for laboratory experiments amongst the list provided so as to reach this office latest by 24 Apr 11.
4. On receipt of the completed proforma(s) and fee, you will be allotted the project guide for guiding your project work and the college/institute for laboratory experiments.
5. Application proforma(s) with fee, if received after the stipulated date, shall not be processed in May/Jun session. Interim enquiries in this matter shall not be entertained.

Thanking you,

Yours faithfully



(Dr A K Gupta)
Director (EEA)

Encl: As Stated

LABORATORY EXPERIMENTS

1. Objective

In order to equip students in pursuit of their cherished goal, a course on 'Laboratory Experiments' has been made compulsory in the syllabi of Section B examination. This programme can produce best results if it is able to arouse the basic inquisitiveness, originality and intelligence in the minds of students.

2. Prerequisite

Students pursuing Section B examination can take up Laboratory Experiments only after securing minimum grade 'C' in 5 (five) subjects in an engineering branch of Section B.

Students are required to register for laboratory experiments by filling the application form, as given at **Appendix III**, along with a demand draft of Rs 4000.00 (US \$ 400 in case of overseas students) in favour of 'The Institution of Engineers (India)' payable at Kolkata. On receipt of the application with choice of engineering college/institute and fee, a student shall be intimated the name of the engineering college/institute where he shall be required to perform the laboratory experiments. The decision of the Institution regarding allotment of college/institute shall be final and binding upon the students.

3. College/Institute for Laboratory Experiments

On receipt of name of the college/institute from the Institution, the student is expected to contact the authorities of the concerned college/institute for performing the laboratory experiments on production of a copy of the letter issued by the Institution. Thereafter, authorities of the college/institute shall permit the student to use the facility of the concerned department for laboratory experiments.

The facility for performing laboratory experiments in a college/institute will be available *twice* a year, i.e., May/June and December/January. Students eligible for laboratory experiments after declaration of results of Summer examination can complete the laboratory experiments in December/January, whereas candidates for Winter examination can complete in June/July each year.

4. Number of Experiments

A student shall be required to perform 10 (ten) laboratory experiments, out of a list of 20 (twenty) experiments, prescribed for the branch of engineering in which he is pursuing Section B examination. Selection of 10 (ten) experiments shall be at the sole discretion of the concerned authority of the college/institute.

5. Certificate for Completion of Experiments

After completion of the required number of laboratory experiments, the college will issue a completion certificate to the student. The student, in turn shall inform the Director (EEA) about the same, enclosing a copy of the completion certificate.

6. Evaluation of Laboratory Experiments

Full marks for the laboratory experiments will be 100 (one hundred). The evaluation shall be carried out by the concerned college/institute where the student shall perform the laboratory experiments. The prescribed proforma for an evaluation report shall be sent directly to the concerned college/institute by the Institution. In case of non-receipt, the college may inform the headquarters (address and phone number given on page 5). The filled-in proforma shall be sent to the

Director (EEA), under confidential cover, directly by the college/institute.
Minimum grade for passing laboratory experiments will be 'B'.

The evaluation work shall be carried out in the month of August for May/June term, whereas for December/January term, it would be in the month of February.

7. Hostel Accommodation Charges

The Institution is not liable to provide any hostel accommodation in the college/institute during the period of performing laboratory experiments. However, some colleges/institutes may extend the facility of hostel accommodation on request by the students. Charges for lodging/boarding arrangements in the hostel shall be borne by the student separately. The student is not required to pay any other fee directly to the college/institute.

8. Time Limit for Laboratory Experiments

Minimum Time Limit

Students, having secured minimum grade 'C' or above in 5 (five) or more subjects after declaration of result of Winter term, must complete all 10 (ten) laboratory experiments by **August 10** of that year for evaluation. The authority of the concerned college shall submit the assessment report to the Director (EEA) by **August 20**. Similarly, for Summer term, laboratory experiments are required to be completed by **February 10** of the following year and the concerned authority of the college shall submit the assessment report by **February 20**.

Maximum Time Limit

Laboratory experiments are required to be completed within the stipulated period of 6 (six) years for a complete pass in Section B Examination. The term/session of declaration of result of Section B of a student shall depend on the date of completion of laboratory experiments. In case a student is not able to complete required number of laboratory experiments and obtain grade 'B' in one or more attempts, he shall be required to re-register again for the same with prescribed fee (Rs 4000.00/US \$ 400).

GENERAL

1. Completion of Section B

Passing of Section 'B' includes successful completion of project work, laboratory experiments and pass in required theoretical subjects within the stipulated examination registration period of six years. Project work and laboratory experiments can be pursued simultaneously after obtaining grade 'C' in minimum 5 (five) theoretical subjects of Section B.

2. Enquiries

All correspondence regarding the project work/laboratory experiments should be made at the following address quoting the membership number, session and year of passing minimum 5 (five) subjects of Section B and the name and address of the project guide/college for laboratory experiments, if already assigned:

Deputy Director (EEA)

The Institution of Engineers (India)

8 Gokhale Road, Kolkata 700 020

Phone : (033) 2223 4623; (033) 4010 6230

Fax : (033) 2223 8345

E-mail : exams@ieindia.org

Format of Synopsis

1. Title of the Project
2. Objectives of the study
3. Rationale for the study
4. Detailed Methodology to be used for carrying out the study
5. The expected contribution from the study
6. List of activities to be carried out to complete the project (with the help of a bar chart showing the time schedule)
7. Places/labs/equipment and tools required and planning of arrangements
8. Problems envisaged in carrying out the project, if any.

Format of Final Project Report

1. Title of the Project
2. Objectives of the Study
3. Methodology of the Study
4. Statement of the Problem
5. Input Data/Structure/Questionnaire
6. Analysis/Solution/Description
7. Final Results
8. Conclusion
9. Scope of Future Study

The Institution of Engineers (India)
8 Gokhale Road, Kolkata 700 020



The Director (EEA)
The Institution of Engineers (India)
8 Gokhale Road
Kolkata 700 020

APPLICATION FOR PROJECT WORK

Dear Sir,

I have carefully read the 'Guidelines for Project Work/Laboratory Experiments' and hereby submit my application for allotment of project guide for completion of the project work. The decision of the Institution of Engineers (India) regarding allotment of project guide will be acceptable to me.

1. Name :

2. Phone/Mobile : E-mail :

3. Membership No. : -

4. Secured exemption in five or more subjects (✓ mark) : Summer 201 Winter 201

5. Interested to start my project work this year in the term (✓ mark) :

May/June

November/December

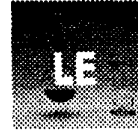
I shall abide by the Rules of the Institution Examinations (effective from Summer 2005 Examination as per Revised Syllabi) as given in Vol.I: Rules.

Full Signature of Candidate with Date

Note : This proforma should be sent by the student only when he desires to start the project work as per the Guidelines in the term mentioned under serial no.5 above.

The Institution of Engineers (India)

8 Gokhale Road, Kolkata 700 020



The Director (EEA)
The Institution of Engineers (India)
8 Gokhale Road
Kolkata 700 020

APPLICATION OF REGISTRATION FOR LABORATORY EXPERIMENTS

Dear Sir,

I have carefully read the 'Guidelines for Project Work/Laboratory Experiments' and hereby submit my application for allotment of college/institute, to complete the laboratory experiments. The decision of the Institution of Engineers (India) regarding allotment of college/institute for carrying out laboratory experiments will be acceptable to me.

1. Name :

2. Phone/Mobile : E-mail :

3. Membership No. : -

4. Secured exemption in five or more subjects (✓ mark) : Summer 201 Winter 201

5. Name of the college/institute in which interested to perform laboratory experiments : _____

6. Details of fee by demand draft (Rs.4000/- or US \$ 400/- in case of overseas candidates):

Demand Draft No. :

Issuing Bank :

Date of Issue :
D D M M Y Y

7. Interested to complete laboratory experiments this year in the term (✓ mark) :

May/June November/December

I shall abide by the Rules of the Institution Examinations (effective from Summer 2005 Examination as per Revised Syllabi) as given in Vol.I: Rules. Also, I shall make my own arrangement for boarding and lodging during the period of completion of laboratory experiments, if required.

Enco : Demand Draft of Rs.4000/-

Full Signature of Candidate with Date

Note : This proforma should be sent by the student only when he desires to start the laboratory experiments as per the Guidelines in the term mentioned under serial no.7 above.