THE INSTITUTION OF ENGINEERS, SRI LANKA

PART III C [PROJECT] OF THE
IESL ENGINEERING COURSE

*Revised on
30.07.2005*

Notes for the Guidance of Candidates

[A]   Eligibility for entry

1.   Students will be eligible to register for the Part III C – Project, provided that they have student membership of the IESL.

[B]   Entry Procedure

2.   A project proposal needs to be submitted for approval on form **IESL PIII C [PA]** (*Pages 5-7*) with the assessment fee. (PA - Project Appraisal.)

3.   In formulating the project proposal, an applicant may elaborate on some or all of the following headings.

   - Objectives
   - Methodology
   - Outcome [including Economic Aspects, Environmental Aspects, Social Aspect etc.]
   - Validation

4.   When the project proposal is approved, the project can be undertaken and a project report shall be submitted within 12 months from the date of approval of the project proposed. Any comments made with the approval should be taken into account in carrying out the project.

5.   When the project proposal is approved, it is done only in the sense that IESL agrees that the work proposed, when undertaken under competent supervision may provide suitable material for the submission of a productive report.

6.   If the proposal is rejected, a revised proposal or a new proposal can be submitted on form IESL PIII C [PA] indicating whether new/revised proposal.

[C]   The Project

7.   The project should be experimental or investigatory in nature with associated theoretical treatment.

8.   The project should involve ;

   (i)   Technical and scientific literature survey.
   (ii)   The use of relevant theories and engineering/scientific concepts to deal with the problems to be solved.
   (iii)   Design and development work.

(iv)   Design and planning of research experiment or investigations.

(v)   Design & construction of equipments, numerical models or software tools.

(vi)   Analysis of result s and interpretation

(vii)   Report writing

9.   It is essential in all cases for candidates to seek the guidance and supervision of a competent person, preferably a Chartered Engineer.

[D]   The Project Report

10.   The report must be in English language. It must be type written on A4 size white paper and securely bound. The number of pages of the report should be approximately (Seventy) 70 and the number of words should be approximately 20000 excluding figures, tables and appendices etc.

11.   Three [3] hard bound copies of the report must be submitted.

12.   All material on submission become and will remain the property of the IESL. No arrangements can be made for the return of any submitted material.

13.   Demonstration of experimental and/or theoretical ability is expected for the conduct of the work and close attention will be paid to the presentation and the clarity and style of report.

14.   The candidate must sign a declaration at the beginning of the report certifying that solely the candidate has undertaken the work. This declaration should be counter signed by the supervisor.

15.   If the project contains collaborative or teamwork, the candidate must clearly indicate those parts in the declaration. If the candidate uses the work of another author of the same subject such work shall be duly acknowledged.

[E]   Presentation of the Report

16.   The following guidelines are to be taken into account.

16.1   A typical project report might comprise the following sections.

Component	Contents	
Abstract	▪ describes the contents	▪ need not include main results
Acknowledgements	▪ supervisor ▪ sponsor	▪ family ▪ others
Contents	▪ list the starting page and titles of Chapters and sub-sections, Appendices	▪ enables reader to quickly go to a particular section of the project report
Glossary	▪ helpful for all readers defining symbols and acronyms	▪ useful for the examiners

Introduction	▪ context of project ▪ aims and objects	▪ organization of project
Chapter on literature review	▪ literature survey	
Chapter on Methods	▪ approach adopted ▪ design methods	▪ data-acquisition systems ▪ range of cases examined
Chapter on Results	▪ tables and plots ▪ methods of presentation	▪ description of information
Chapter on Analysis	▪ methods adopted ▪ interpretation of results	▪ specific interpretations ▪ enveloping interpretations
Conclusions and Further Work	▪ do not simply summarize the project report ▪ do not recapitulate the analysis or discussion ▪ do not introduce new ideas	▪ identify specific points that have been clarified or discovered, and specific actions to be taken ▪ identify specific additional investigation that is required [and why]
Reference	▪ only those mentioned [referenced] in the text	▪ fully detailed in standard form so reader could obtain a copy
Bibliography	▪ any relevant sources not directly mentioned	▪ also fully detailed in standard form
Tables, Charts and Figures	▪ may be incorporated in the text or collated at the back as appendices	▪ do you need to provide data in both tabular and plotted form?

16.2 The total number of pages shall be limited to maximum of 70.

The typical page allocation shall be as follows.

Component	Pages
House-keeping items, typically: title page, abstract, acknowledgements, contents, notation/glossary, lists of figures/tables	6*
Introduction, including Literature Survey	10
Chapter A [often Design or Methods]	12
Chapter B [often Results]	10
Chapter C [often Analysis]	10
Conclusion and Further Work	4
References and Bibliography	4
Tables, Charts and Figures	20

Component		Marks
TOTAL		70

* May be excluded from page count.

16.3   Typical marking scheme is given in the following table.

Component	Comments	Marks
Conduct of Project	Assessment of student's application and technical appreciation in project	30
Introduction & Objectives	Clarity of both thought and presentation	10
Quality of Review	Suitable background, clarity, relevance [incl. Bibliography]	10
Technical Content	Logical treatment, methodology, technical comprehension and competence	20
Results	Quality, suitability and coverage	10
Conclusion and Recommendations	Relevance to experimental work, insight	10
Organization	Layout and logical development of dissertation	10
Total		100

16.4   The format of the front page is given in the Annex. (Page 08)

[F]   Assessment of the Report

17.1   Project Proposal should be submitted to Director EE&T and obtain approval.
{Vide IESL PIIIC(PA) *Pages 5 – 7*}

17.2   The project report will be assessed by a panel of two members with generally the examiner who approved the project proposal as one member.

18.   The assessment panel reserves the right to require a candidate to attend an oral examination.

19.   The decision of the assessment panel will be final.
No appeals will be entertained regarding the results of assessment.

20.   Candidates are permitted to make a re-submission of the project report, but only within the time constraints outlined in this document.

[G]   Fees

21.   Assessment of project proposal   Rs. 2,500/-

22.   Assessment of project report   Rs.12,500/-

23.   Fees will not be refunded as a part or in full if either the project proposal or the report is rejected.

THE INSTITUTION OF ENGINEERS, SRI LANKA

IESL ENGINEERING COURSE PART III C

<u>Assessment of Project Proposal – P III C (PA)</u>

To be completed by candidates wishing to enter Part III C of the IESL Engineering course.

SECTION A

a) Surname with initials Mr./ Ms. ……………………………………………………….………

(in capitals letters) ………………………………………………………………....

b) Student Membership No. ………………………………………………………………

c) Address ………………………………………………………………

………………………………………………………………

d) Contact Nos. ………………………………………………………………

e) Email ……………………………………………………….………

If employed

f)   Employer ……………………………………………………….………

g)   Address ……………………………………………………….………

……………………………………………………….………

h)   Contact Nos. ……………………………………………………….………

i)   Email ……………………………………………………….………

SECTION B

a) Year of part completion/ completion of Part II of IESL Engineering course or
equivalent : ………………………

b) State the Qualification/ Examination

……………………………………………………………………….

……………………………………………………………………….

……………………………………………………………………….

c) Attempt on Part III C :

First		Second		Third	

SECTION C

a) Title of Project ……………………………………………………………….

(in capital letters) ……………………………………………………………….

……………………………………………………………….

b)	Discipline	(Please tick the appropriate box)

☐	Civil Engineering
☐	Electrical Engineering
☐	Electronics, Communication and Computer Engineering
☐	Mechanical Engineering

c)	Details of the Supervisor

- Name : ……………………………………………………………………………………….……
- Qualifications : ……………………………………………………………………………………….……
- Employment : ……………………………………………………………………………………….……
- Address : ……………………………………………………………………………………….……

		……………………………………………………………………………………….……

- Telephone : ……………………………………………………………………………………….……
- E-mail : ……………………………………………………………………………………….……

I agree to supervise the project titled	…………………………………………………….………..…

	……………………………………………………………………………….……….…….………

	………………………………………………………………………………………………….……..

Signature of the Supervisor : ……………………………..	Date : ……………………

For an industry based project involving a company ;

Name of Company : ……………………………………………………………………………….……….

I hereby give the consent to Mr./Ms. …………………………………….…………….……………….……
to undertake the project titled…………………………………………………………………….…………
… ………………………………………………………………………………………………………..
……..

Name of the responsible official	: …..…………………………………………………………
Signature	: ……………………………………….	Date : ……………..…………..………
Designation	: …………………………………………………………………………………………
Contact Nos.	: …………………………………………………………………………………………
E-mail	: …………………………………………………………………………………………

SECTION D

Give below an outline of the objective of the project, work to be undertaken and the significance of the project. (This outline must not exceed 300 words.)

………………………………..   ………………….
   Signature of the applicant   Date

_____

SECTION E   **Office Use Only**

Date received   : …………………………………………………………….

Amount paid   : …………………………………………………………….

Receipt No.   : …………………………………………………………….

Project Report

The Institution of Engineers, Sri Lanka

The Title of the Project

Your Name:
Your Supervisor's Name :
Month /Year :

A Project Report submitted in partial fulfillment of the requirements for the IESL Engineering Course Part III.