SSN COLLEGE OF ENGINEERING

UNDER GRADUATE
PROJECT GUIDELINES

Department of Computer Science and Engineering

Preamble

These guidelines are intended to give both students and faculty members at the Department of Computer Science and Engineering a set of procedures and expectations that will make the project evaluation process easier, more predictable, and more successful. These guidelines should also be interpreted as the minimum requirements of the degree awarded by Anna University. The Project Committee assigned for various programmes offered under Department of Computer Science & Engineering may add requirements or guidelines as they see fit - as long as there are no less demanding than the guidelines set forth in this document.

Eligibility

The Eligibility criteria for the Under Graduate students are to be followed as per the regulations given by Anna University during Admission.

General Suggestions and Expectations

The project is by far the most important single piece of work in the degree programme. It provides the opportunity for you to demonstrate independence and originality, to plan and organize a large project over a long period, and to put into practice some of the techniques you have been taught throughout the course. The students are advised to choose a project that involves a combination of sound background research, a solid implementation, or piece of theoretical work, and a thorough evaluation of the project's output in both absolute and relative terms. Interdisciplinary project proposals and innovative projects are encouraged and more appreciable.

A good tip is to try to think of the project as deliverable at reviews, rather than an effort to deliver a fully-functioning "product". The very best projects invariably cover some new ground, e.g. by developing a complex application which does not already exist, or by enhancing some existing application or method to improve its functionality, performance etc.

A straightforward implementation project is acceptable, but you must appreciate that it is unlikely to gain high marks, regardless of how well it is done and its usage. Likewise, projects which are predominantly survey reports, unless they are backed up with experimentation, implementation, or theoretical analysis, e.g. for performing an objective comparison of surveyed methods, techniques etc. Pure survey reports, with no supporting implementation or theory, are not acceptable.

- UG students are to decide on their team members for their final semester project with their proposed title & project guide and to suggest it to the project committee with a brief abstract during October of academic schedule.
- Project report / Thesis to be prepared as per the guidelines and format given by Anna University.
- If the student fails to attend the review or the guide refuses to endorse the student’s work, the committee can invite HOD. HOD is empowered to resolve any further matters.
- In case of re-reviews, any number of re-reviews can happen depending on the discretion of the panel and it should happen within the prescribed time.

- HOD, can initiate further steps to ensure the smooth implementation as deems appropriate of guidelines.
- If the work of the candidate is found to be insufficient and plagiarism, the committee & HOD will decide the further process.

Choosing a Project

The idea for your project may be a proposal from a member of staff or your own, or perhaps a combination of the two.

Staff Proposals

For projects proposed by members of staff you should discuss the project with the proposer as soon as possible so that you have plenty of time to think about the best choices for you. Note that not every project is suitable for every student: some may be specifically tailored to a particular degree and some may only suit students with a very specific set of interests. Each proposal will indicate these constraints in order to help you to make an informed choice.

Own Proposals

If you have your own idea for an individual project it is your responsibility to find a member of staff who both approves of the proposed programme of work and is willing to guide it. You should first get the permission of Project Committee, and may proceed with the same with the consistent consent of the guide.

Choosing the right project

The projects offered by staff may vary substantially in breadth, depth and degree of difficulty. The most important thing is to shortlist a set of projects that are right for you. Some students are better suited to well-defined and relatively safe projects that provide scope for demonstrating proficiency with a low risk of failure. Other students are better advised to tackle harder, riskier projects that require a high degree of original input and/or technical problem solving.

If you are in are hope to win one of the illustrious project prizes, or achieve "Distinguished Project" status, you should choose your shortlist with particular care. The potential guides will be happy to offer advice on the suitability of a project, given your individual background, strengths and ambitions. Remember that it is important to balance ambition and realism when making a choice. For better help of projects you can search from websites like (IEEE, ACM, Elsevier, Springer, etc...)

Meeting Your Guide

You must make sure that you arrange regular meetings with your guide. The meetings may be brief once your project is under way but your guide needs to know that your work is progressing. If you need to talk to your guide between meetings and cannot locate them in their office, contact him/her and asking him/her to suggest a time when they will be available. When you go to see your guide (or second marker) you should have prepared a written list of points you wish to discuss. Take notes during the meeting so that you do not forget the advice you were given or the conclusions that were reached.

Guides

The Guides are advised to give projects and suggest project titles focussing more on the current field of research and ensure the level of innovation. Also guides are advised to check for the formatting of the presentation and project report. Staff member cannot guide more than three UG projects in the academic schedule and further, he/she is expected to engage at least one UG project batch.

The Project Presentation and Demonstration

One of the most important skills which the project aims to assess is your ability to communicate your ideas and work. As part of the assessment you will be required to give a presentation and demonstration of your project to your Project Committee.

Each presentation will be for 10 minutes (to be decided by the project committee at the initial stages and 20 for the final stages including a demonstration. Guides will help you to structure your talk and will be willing to go through it with you beforehand. The presentation is also a compulsory component of the project. The project committee will not allocate a mark for a project unless there had been a formal presentation. The objective of the presentation is to find out exactly what you/ your team have done and to ensure that you get an accurate mark that is consistent with other projects.

Schedule for Project Reviews

EVEN SEMESTER (December - April) - B.E

Review	Tentative Date
Zeroth Review	First week of October (VII Semester)
First Review	Within 3 weeks after the beginning of the semester
Second Review	Within 7 weeks after the beginning of the semester
Third Review	Within 12 weeks after the beginning of the semester
Viva Voce	Mid of April

The project committee is advised to conduct the project reviews for students within the stipulated period and the review marks to be sent to the head of the department at the month end. The project committee is also advised to make necessary arrangements required (Conference hall availability and Projector, etc...) for the smooth conduct of reviews.

Project Requirements: B.E (CSE) | Expectations from Students (in each Presentation)

Zeroth Review	First Review	Second Review	Third Review
Title Abstract Introduction Literature Survey Proposed System Modules Split –up References	Title Abstract Architectural Design for Proposed system Module Diagram, ER Diagram, DFD, Use case diagram (if necessary) Algorithms / Techniques used with complexity Expected outcomes References 30% of code implementation	Title Abstract Detailed Design for Proposed system Contribution of the candidate Results obtained (intermediate) References 80% of code implementation	Title Abstract Overall Design for Proposed system Experimental Results Performance Evaluation References 100% of code implementation

Approval Guidelines of Zeroth Review

- Comparison of the existing systems with limitations and the importance of the proposed system
- Deliverables to be mentioned clearly for each review.
- Work distribution among team members. Evaluation is based on the complexity of the work.

Note:

- The presentation should have maximum of 12 - 15 slides
- Presentation will be for 10 minutes
- All three reviews are compulsory.

Project Committee

- The committee is advised to find enough complexity in the project.
- All the Seven panel members must be presented during the review.
- Reviews to be conducted in the Conference hall in the department

Guides to check

- Advised to check for the formatting of the presentation and the documentation using Latex.
- Check for the attendance of the students (Regular meeting for the discussion).

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Project Evaluation Form
B.E(CSE) - **Review Zero**

(To be filled by student)

Project Title:				
Project Batch No. / Area:				
S. No.	**Register No.**	**Candidate Name**	**Guide Marks (25)**	**Guided by**
1				
2				
3				

(To be filled by team coordinator)

Team Members Contribution and Performance		**Overall Marks**		
Subject Theme		**Stud 1**	**Stud 2**	**Stud 3**
Understanding background and topic / Specifies Project goals (10)				
Knowledge about the existing system (10)				
Summaries, algorithms and highlights the proposed project features. (15)				
Question and Answer & Report (20)				
Presentation skills (20)				
Total				
Expectations for Next Reviews		**Comments**		
Review One				
Review Two				
Review Three				

Member 1 *Member 2* *Member 3* *Member 4* *Guide*

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Project Evaluation Form
B.E(CSE) - **Review Three**
11-04-2013 & 13-04-2013

Project Title:					
Project Team					
S. No.	**Register No.**	**Candidate Name**	**Guide Marks (25)**	**Guided by**	
1					
2					
3					
Team Members Contribution and Performance			**Overall Marks**		
Subject Theme			**Stud 1**	**Stud 2**	**Stud 3**
Design, Performance Evaluation and Findings of the Projects (15)					
Results / Implementation (100%) / Explanation of Code (40)					
Question and Answer (10)					
Presentation skills (10)					
Total					
Attendance (If absent Mark-**"AA"** against the date)			**Comments**		
Week	Stud 1	Stud 2	Stud 3		
Week 1 28.02.13 / 01.03.13					
Week 2 07.03.13 / 08.03.13					
Week 3 04.04.13 / 05.04.13					

Member 1 *Member 2* *Member 3* *Member 4* *Guide*

Note: Attendance and guide marks to be filled by the respective guide

Department of Computer Science & Engineering Project Evaluation Form

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Project Title:									
Project Team									
S. No.	**Register No.**	**Candidate Name**	**Guide Marks**	**Guided by**					
1									
2									
3									
Team Members Contribution and Performance			**Team Members**						
Subject Theme			**1**	**2**	**3**	**4**	**5**	**6**	**7**
Detailed Design / Contribution of the candidate									
Implementation Results (Intermediate) / Explanation of Code (80 Percentage)									
Summaries the ultimate findings of the project									
Question and Answer & Report									
Presentation skills									
Total									
Expectations for Next Reviews			**Comments**						
Review Three									

Member 1 *Member 2* *Member 3* *Member 4*

Member 5 *Member 6* *Member 7* *Guide*

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Project Evaluation Form
B.E(CSE) - **Review Three**

Project Title:								
Project Team								
S. No.	**Register No.**	**Candidate Name**	**Guide Marks**	**Guided by**				
1								
2								
3								
Team Members Contribution and Performance			**Team Members**					
Subject Theme			**1**	**2**	**3**	**4**	**5**	**6**	**7**
Design & Performance Evaluation									
Results / Implementation (100 Percentage) / Explanation of Code									
Summaries the ultimate findings of the project									
Question and Answer & Report									
Presentation skills									
Total									
Comments									

Member 1 *Member 2* *Member 3* *Member 4*

Member 5 *Member 6* *Member 7* *Guide*

Note:

1. *Details about the individual review marks (includes report mark), guide mark and attendance mark will be informed later*
2. *If any updation is required in the guidelines, project committee members can very well change the rules with the concern from the HOD.*
3. *Students are advised to follow the guidelines strictly.*