



CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE • INDIA

Faculty of Engineering

CHRIST (Deemed to be University)

Department of Computer Science and Engineering

Department Policy for allocation of Fast Track mode for students

1. Introduction

1.1 Background

CHRIST (Deemed to be University), Faculty of Engineering brings the academics and tech community together to develop transformative ideas and develop pioneering leaders in the digital age. CHRIST (Deemed to be University) endeavours to instil the industry culture to create job opportunities for its students. To facilitate this, the Department of Computer Science and Engineering has taken the initiative to introduce 4-6 months of industry-based projects intended for final year UG students during their 8th Semester. The Scheme of 'Industry Based Project' shall be an option for students to complete his/her course curriculum of 8th semester through 'experiential learning.'

1.2 Announcement

The Head of the Department will announce the fast-track program for the 7th semester students during their orientation program. HOD will elaborate on the Fast-Track Program, its duration, and the domains in which students can pursue their fast-track program.

1.3 Eligibility Criteria

For a student to be selected for the Fast-Track internship project, he/she must have a 60% aggregate percentage till the 6th semester with no active backlog.

1.4. Selection Process

- a) Students interested to opt for the Scheme must submit a written application addressed to the Head of the Department along with an official confirmation of Industry Project offer in the relevant area from any company chosen by the student. Submission deadlines will be announced by the Department. It shall be the responsibility of the student to identify the company which should be well established having fair credentials in the field of Engineering.

- b) Shortlisted students based on the above said criteria will be required to make a short presentation on their intended project to and will face a Viva-Voce by a select panel of Faculty chosen by the Head of the Department. The following aspects will be considered while interviewing the student.
- i. Relevance and duration of the project
 - ii. Confidence/knowledge competence of the student in his/her presentation.
 - iii. Availability of monetary/non-monetary stipendiary benefits as per the offer letter issued by the company for the Industry Project.
 - iv. Company Credentials
 - v. Inclination of the Company to follow supervisory guidelines of the Faculty of Engineering
 - vi. Opportunity for placement
- c) The students selected by the panel of Faculty alone will be permitted under the Scheme to take up the Industry Based Project although the student would have obtained, the decision of the panel members taken in consultation with the Head of the Department will be final and binding.
- d) Selected students must sign a letter of undertaking to abide by the Rules specified.

1.5 Rules

The following are the Rules to be followed by a student who is selected for 4-6 months' full time Industry Based Project:

- The course content for the semester will be readjusted to include 70% of direct teaching hours and 30% of self-study modules.
- The CIA 1, CIA 2, CIA 3 components for these courses should be completed before the commencement of the project.
- The students who are selected are required to attend the End semester examination (ESE) conducted by the university.
- 8th semester classes for the students who opted for fast-track mode will start after completion of their 7th semester end semester examinations.
- There will be an internal faculty guide as well as an external guide (from company) under whose guidance and supervision the student shall undertake the project work.
- The student shall be bound by administrative rules and regulations of the company during the internship period and will attend to the company as per its working hours.
- The student has to maintain a work record diary (a blue book) which needs to be updated daily with the work carried out by him/her at the selected company.

- The work diary has to be signed by the external guide every day without fail.
- The work diary will be closely monitored by the internal guide and it will be reviewed in every 15 days.
- Student performance will be graded independently by the two guides and the combined grades of external and internal guides (with panel members) will be considered for the allotment of the review marks for the project work.
- The students once selected into a company/industry project cannot withdraw from the project at any time of its duration for whatever reason, if such an event having including for rejection by the company the student will be required to repeat the semester in the succeeding academic year in accordance with applicable university regulations unless otherwise decided by the disciplinary committee. There shall be a disciplinary committee under the Head of the Department with the two additional members nominated by the Dean to deal with any of the following issues of indiscipline.
 - a. Noncompliance of the matters stated in the regulation by the student as may be reported by the either of the guides.
 - b. Irregular attendance by the student
 - c. Withdrawal from the project work.
 - d. Any other matter as may be considered improper by the guides.
 - e. The committee may also directly take up disciplinary proceedings based on its own opinion. The decision of the committee as endorsed by the dean shall be final and binding on the student.

1.6 Procedures for Program Evaluation:

The students work will be periodically monitored in various reviews, generally the internal faculty in-charge will visit the industry where his student doing project and along with external guide the review will be conducted and marks will be awarded. Following table will give marks split-up for various Reviews

Review 1: 20 marks

Criteria	8-10 / 4-5 marks	4-7 / 2-3 marks	1-3 / 1 mark(s)
Literature Survey (10 Marks)	Detailed explanation of the project with its significance and purpose along with detailed survey of the literature.	Moderate explanation of project with no clarity on significance and purpose. Survey of the literature is partial.	No proper explanation on project. No clarity on significance and purpose of project. Literature survey is not proper.
Gap Analysis, Problem Solving	Clear explanation on the gaps identified in the	Rough idea about the gaps identified in the existing and moderate	Weak idea about the gaps identified in the existing system and no points on

and Motivation (5 Marks)	existing system and motivation to the project.	level of motivation to the project.	the motivation to the project
Detailed Project Objectives, Methodology and Expected Results (5)	Detailed explanation on the project objectives, methodology used in the project and listing the expected results clearly	Medium level explanation about objectives of the project, methodology used and expected results	Weak explanation on the project objectives, methodology and the expected results.

Review 2: 30 marks

Criteria	8-10 / 4-5 marks	4-7 / 2-3 marks	1-3 / 1 mark(s)
Design and Framework (10)	Detailed design of the project with all relevant diagrams explaining the project.	Explanation of the project with some of the diagrams and not much design framework	Very few diagrams explaining the project design with vague explanation
Progress of the project (Results) (10)	Describing the project modules in detail as per schedule and outcome of it.	Describing project modules following moderate schedule and its outcome.	Describing the project modules not as per the schedule and its outcome.
Hardware and/or software prototype status (5)	Explanation about the hardware and/or software status of the project prototype with relevant demonstration.	Not much explanation about the hardware and/or software status of the project.	Weak progress in the hardware and/or software status of the project
Overall presentation clarity (5)	Clear presentation on the work carried out.	Unclear presentation on the work carried out.	Weak presentation on the work carried out.

Review 3: 50 marks

Criteria	8-10 marks	4-7 marks	1-3 marks
Attainment of the objectives proposed (10)	Attainment of all the project objectives as defined in review 1 and detailed explanation of the same.	Attainment of some of the project objectives as defined in review 1 and moderate explanation of the same.	Attainment of very few objectives as defined in review 1 and no proper explanation.
Completed hardware and software (10)	Complete demonstration of the project with detailed explanation. Completion of hardware and/or software part of project.	Demonstration of the project is at medium level. Hardware and/or software components have completed partially.	No proper demonstration of the project. Hardware and/or software components have not completed.
Results (10)	Showing that the results of the project are as per the objectives defined.	Some of the results of the project are as per the objectives of the project.	None of the results shown are matching with the objectives of the project.
Teamwork (10)	All the team members have contributed equally to the completion of the project.	Some of the team members have contributed to the project completion.	Only one in a team member has contributed to the project completion.
Overall presentation (10)	Very clear explanation of the project with good	Medium level explanation of the project with	Presentation of the project is not clear.

	communication skills and slides.	moderate communication skills and slides.	Communication skills and slides are not well.
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End Semester Examination: 100 marks

Criteria	16-20 marks	11-15marks	6-10 marks	1-5 marks
Literature survey and problem statement (20)	Detailed explanation of the project with its significance and purpose. Clear explanation on the problem statement of the project. Complete survey of the literature.	Moderate explanation of project with no clarity on significance and purpose. Problem statement is not clearly specified.	Problem statement of the project is not well defined. Survey of the literature is not completely done.	No proper explanation on project. No clarity on significance and purpose of project. Literature survey of the project is not done.
Project objectives, methodology and expected results (20)	Clearly defined the project objectives. Methodology is neatly specified. Expected results are depicted properly as per objectives.	All project objectives are not defined. Methodology is not specified clearly. Expected results are partially defined as per objectives.	Project objectives are not clearly defined. Methodology is not having clear picture. Expected results are not showing all objectives.	No proper project objectives. Methodology is not clear. Expecting results are not matching with the objectives.
Design, framework and prototype (20)	Detailed design of the project is explained with necessary diagrams. Prototype depicts all the objectives of the project.	Design of the project is defined with few diagrams. Prototype of the project has some flaws in it.	Design of the project is not explained clearly with diagrams. Prototype of the project is partially clear.	Project design is not appropriate. Diagrams are not relevant. Prototype is not depicting objectives properly
Overall attainment of objectives and results (20)	All the project objectives are attained with matching results for the same.	Some of the objectives of the project is attained. Some of the results are matching.	Objectives of the projects are not attained completely. Results are depicting the same.	Only few objectives of the project have attained. Results of project is not matching objectives.
Overall presentation and report (20)	Presentation of the project is clear with proper communication skills and slides. Report is as per the format given.	Presentation of the project is not giving complete picture of the project. Report has some mistakes as per the format given.	Presentation is not completely explaining proper. Slides are not clear. Report is not following format fully.	Presentation is not at all clear about the project. Slides are not clear. Report is not properly made.

1.6 Requirements for Successful Completion

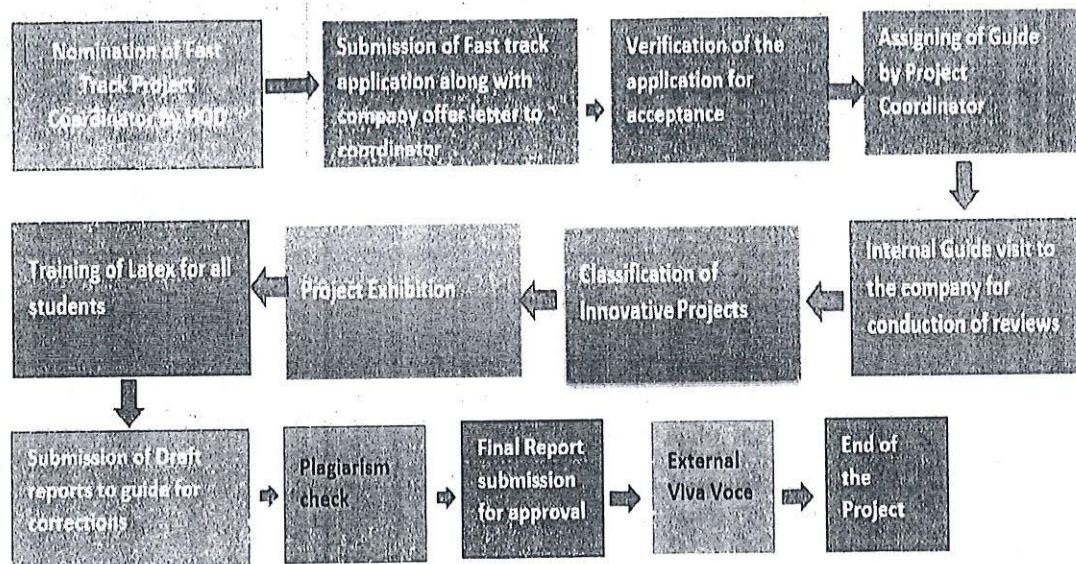
The students should successfully complete all the reviews, complete all the modules given by the industry.

1.7 Routine Industry Visits

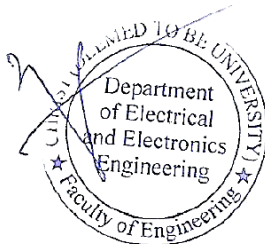
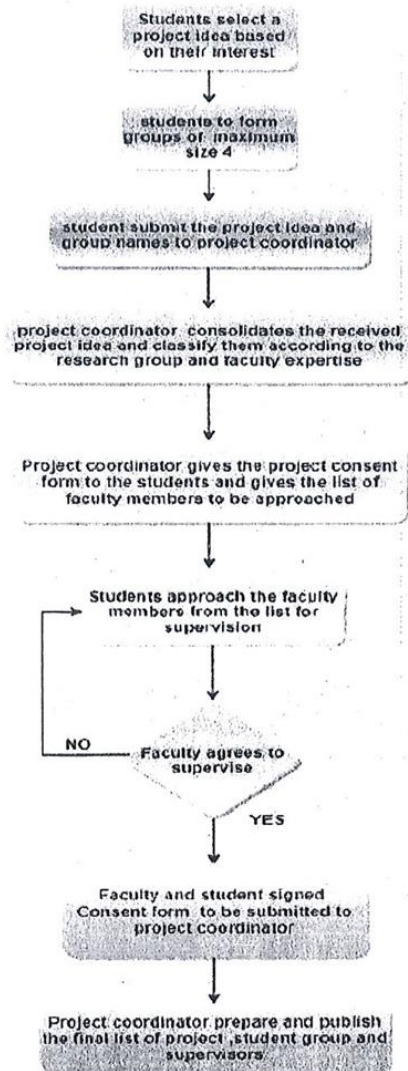
The Department may conduct routine Industry visits once in a month to ensure compliance with provincial legislation and the maintenance of standards. These visits may be conducted on an scheduled basis with mutual consent from both Industry guide and Internal Guide.

Routine s visits may be used to ensure that all program resources are in place and that the facility continues to meet the needs of the students. These routine site visits could involve:
Meeting with administration to discuss current and/or pending work
Inspecting facilities including equipment required for delivery of practical objectives
Documenting Resources
Reviewing a random selection of student files; and/or collecting any documentation or information necessary by the Department to monitor student Progress.

Flow of Project Process:



Faculty Allotment Process:



Head, Electrical and Electronics Engineering