



Final year project is one of the most important aspects of job hunting. It is the way of increasing the student's maturity and preparing him/her for their future career. A good FYP starts with the formulation of a problem, suggests alternative solutions, and then implements one of them. Final year project will inevitably be used as a discriminator to decide how good an engineer you are! That is exactly purpose of final year project which a college/university uses to provide you with an opportunity to gain experience in the practical implementation. The selection of an FYP is a very important decision and should be made carefully. As per our observations final year students are facing difficulties to finalize domain or title of the project due to less exposure of different domains and tools, software and hardware. FYP is the one of the longest group activity in the engineering. Group work is also one of the important key in the FYP. Most of students have no idea how to begin the project, this is understandable: it is the first time for them. Project work is one of the method to gain knowledge in different domain.

## DIFFERENT ACTIVITIES INVOLVED:

- Presentation by respective domain experts in Image Processing, Signal Processing, VLSI, Embedded systems, Communication & wireless, RF & antenna design, Fiber & Optical component design to provide knowledge of different domain and gain knowledge about available tools / softwares / hardwires in different domains. Research opportunities also included in each domain.
- Group formation by students: Group work will improve the progress of the work and exchange of ideas will help them to come up with unique project ideas.
- Each group has finalized at least 3 domains of interest. Many great innovations are based on multiple domain knowledge. Hence it is necessary to explore more than one domain.
- Students are asked to submit 2 project titles from each domain. Problem Identification involves a lot of background work in the particular domain. It requires an ability to look at a domain and to identify the issue that needs to be addressed and the problem to be solved.
- An expert session arranged to improve Presentation skills by Mr. Ravi Bagree.
- Presentation by students on the selected ideas / titles of the project. In this part students are expected to present the functional model of their ideas. Functional model usually consist of a functional decomposition, a hierarchical breakdown of the major functional blocks involved in the processing / analysis / transformation. Aim of the session is to structure ideas in the students mind about difficulties associated with the implementation of the project and possible solutions.

This one & half month journey to wards excellence is organized by the Electronics & Communication Engineering Department, Marwadi Education Foundation Group's Of Institutions, Rajkot as a part of efforts to sharpen the skills and knowledge of the pre-final year students and to prepare them for the final year project.



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