

**A Report of the Process of IDP at MCA Institutes / Policy Innovations / Programs
conducted under GTU Surat Innovation Sankul**

Prepared by: Prof. Dipali Kasat, Director, Surat Innovation Sankul, GTU-MCA

Abstract

GTU Surat Innovation Sankul (MCA) includes a *total of 3 institutes* 1) SCET, Surat 2) SRIMCA, Bardoli 3) Bhagwan Mahavir College of Computer Application, Surat.

The MCA syllabus consists of a course on Dissertation & Project Definition in the 5th semester of 150 Marks. During the sixth semester, the Project is of 700 Marks.

Process of IDP Hunt

Students completed their Shodhyatra in the summer break after the examinations of the 4th Semester in May 2011 and the results of that Shodhyatra were collected by the end of July 2011 from all the 3 institutes. There was a bit of negative response found from 90% of the industries visited, as students were asking for the project definition six months year before implementing it. So the students continued their IDP hunt in the 5th semester as all the institutes & faculties kept on working for IDP, as already decided by faculties in the first meeting of Heads of MCA Institutes / Programs Under GTU Surat Innovation Sankul held on 7th June 2011 in the presence of Dr K.N.Mistry. The situation did not change much as now the students were asked to come after October '11 for the project Definition of IDP from the various industries because they said in IT industries once the project definition is allotted the ready project is expected in not more than 6 months time. So the three MCA Institutes/ Programs jointly decided to solve the problem through working with MSMEs.

EUREKA: Accordingly the faculties should start communicating with many MSME Organizations for the Project of Sixth Semester. This required efforts by both the students and the faculty. After student were able to get the project definition, presentation of synopsis of the project was taken twice and guidance was given to them for improvement in the Project definition or any enhancement or changes needed in the definition. The faculties successfully convinced some organizations to come up and provide internship to students for training by checking their aptitude and technical knowledge.

By the efforts of the faculties and students, finally the students got IDP by Nov/Dec 2011 and the figure of IDP Projects in Surat Innovation Sankul in percentage is nearly 100%. The IDP of some MSME industries were too short to be accepted as MCAIII year projects. In that case the faculties guides have permitted the students to develop 2-3 such small IDP definitions.

IDP/UDP statistics Institute wise

For MCA Institutes / Programs under GTU Surat Innovation Sankul the success ratio of IDP = 100%

College	Total Students	Total Project Groups	Total Project Groups working on IDP
Sarvajanik College of Engg. & Technology	50	25	25
Shrimad Rajchandra Institute of Management and Computer Application	49	24	18
Bhagwan Mahavir College of Computer Application	40	22	22

Policy Innovations

All the following zone level activities were done at Sarvajanik College of Engg. & Technology to improve the technical knowledge of students, to improve the confidence level and communication skills of students which will ultimately help a student to represent himself/herself in appropriate way at corporate level.

To confront the technical and vocabulary skills of students so that before going for training in industry, they will be technically ready and up to date: For students of different colleges of South Gujarat Zone, MCA Dept, SCET organized the First Annual Technical Event **VIVACITY-REVIVING THE TECH SPIRITS WITHIN**. The various competitions that were held under two days schedule brought out new talents of students in practical world. Students with all their armory of talents got under one roof of **VIVACITY** to give a tough and challenging fight. The various competitions held are as follows:

1. Debattre – Words Working to Win

Debates are a means of encouraging critical thinking, personal expression, and tolerance of others' opinions

2. Mobile Mosaic– Android Maniacs Dome

To spread the awareness of new emerging android technology amongst the students.

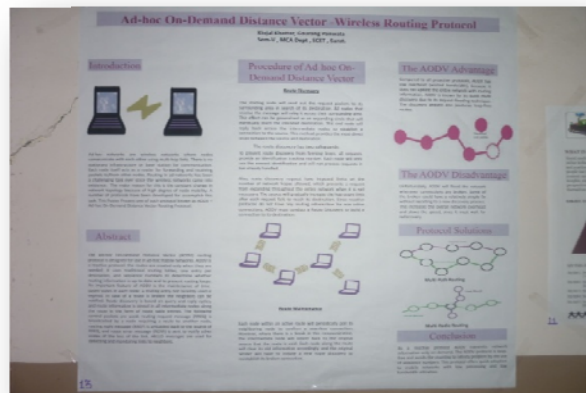
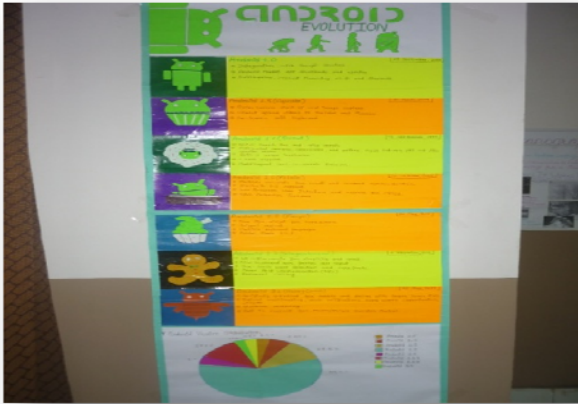
3. 'C' Idiots - Relay Race in 'C'

Proficiency in programming languages is an essential skill for all software engineers

4. Poster Presentation – Curve Your Imagination

5. EXPERT TALK on SEARCH ENGINE OPTIMIZATION –by Hitesh Patel of Ezee Technologies

Targeting students for optimum utilization of available search engines an expert talk was arranged to enhance their knowledge.





With a view to improve teaching quality, enhance teaching capabilities and train students to enhance their technical knowledge in mobile technologies, MCA department has organized a 5 day workshop on Android Application Development.



Expert Talk on Search Engine Optimization was conducted by the department on 1st Oct, 2011 by Mr. Hitesh Patel - eZee Technosys Pvt Ltd.,Surat

1. Finlogic Technologies Private Ltd. is about to conduct sessions on various topics like Business Analysis, Software Development, Software Quality Assurance, Information Security etc. on working Saturdays. The conversation is in Process.
2. A session has been conducted by Mr. Prashant Keswani -Technical Specialist, IGate Patni on OOPS & OOPS based design patterns.



3. MCA department at SCET has organized a workshop on **“Object Relational Mapping”** which is very much in demand in IT industry. The workshop was organized for final year MCA students and conducted by corporate trainer.
4. MCA department at SCET has conducted a Workshop for MCA students by the faculty members, who are IBM certified Associated Developers, on **"IBM : Rational Application Developer for WebSphere Software"** which will helps Java™ developers rapidly design, develop, assemble, test, profile and deploy high quality Java/Java EE™, Portal, Web/Web 2.0, OSGi, Web services and SOA applications.
5. **Introduced a Project diary for maintaining the quality of the reporting by the students of the sixth semester students** and having good track on the work of the project.(The format of the diary is attached herewith)

In addition to all these activities the UDISHA club at SCET has formed CEED cell which runs a number of courses that are offered at a very reasonable rate to the students and are taken by either the experts or corporate trainers.

Conclusion

- For MCA Institutes / Programs under GTU Surat Innovation Sankul, the success ratio of IDP is nearly 100%. This has been achieved by the faculties of the three MCA Institutes/ programs in the Sankul through jointly working with many MSME Organizations.
- Regular programs on working Saturdays are being planned.
- Many joint activities for all the MCA students in the Sankul have been organized.
- The UDISHA club at SCET has formed CEED cell which runs a number of courses that are offered at a very reasonable rate to the students and are taken by either the experts or corporate trainers.