

GTU INNOVATION COUNCIL

Udisha Clubs

creating the

Summer of Innovation Agenda

Linkages between MSMEs and Academia

GTU Innovation Sankuls have started the process of developing roadmaps for inclusive innovation based upon the need of local industry clusters through Udisha clubs. A few Sankuls have done significant progress in conducting some brief industrial Shodh Yatras and mapped a few dozen industry defined problems (IDPs) which will be converted as the Final Year projects by GTU Students. Industry clusters across the state have shown significant enthusiasm. The authorities from floor engineers to top authorities have cooperated open-heartedly in the mapping process.

Looking to the objective of mapping MSME issues during summer 2011, the GTU's Udisha Clubs, jointly with GTU Innovation Sankuls, have started training its young pre-final-year students who will map the industry issues and look for a better product or process while working upon it in the final year project/thesis.

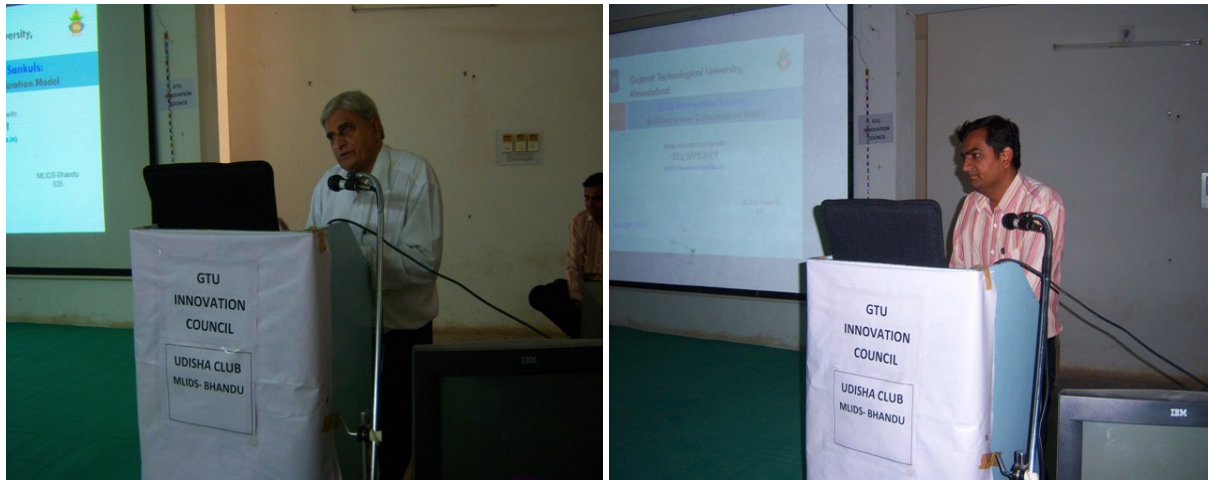


Meeting was held at Shrimad Rajchandra Institute of Management and Computer Application (SRIMCA) on 28.04.2011 where the Udisha members brainstormed for designing an innovation ecosystem in the Indian context.

Similarly the inaugural meeting of all pre-final-year students and Udisha coordinators was held at **MLIDS Bhandu**. In this discussion faculty coordinators and students took part in sharing their own views in addition to the context proposed by GTU Innovation Council. The students and faculties suggested in co-creating innovation clusters including all verticals of applied sciences, engineering and other disciplines. **Prof K.R.Patel** shared a brief agenda

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based upon the inputs taken from each stake holder in the entire discussion. A decision was taken to inform the concept and action agenda to each of pre-final year students so that the optimum potential of technology youth can be harnessed in GTU in the innovative process.



Similarly the meeting of UDHISA Club members & HODs, Directors –ME, CE, E&C, EE and R&D was held at **Babaria Institute of Technology, Varnama chaired by Dr. S.S Pancholi**. He briefed about the working of GTU Innovation Sankuls & UDHISHA Clubs under it thru a PowerPoint presentation. The specific point of discussions was about Shodh Yatra for identifying the projects for final year students of 2011-2012. After a detailed discussion, it was decided that, with the help of the database of VCCI (Vadodara Chamber of Commerce & Industry) Directory, all the four departments will identify at least 15-20 industries per department. These industries will be approached in the first week of June (i.e. immediately after the examinations of the Pre Final Year of Sem VI (degree engineering programs) of each department are over. This process, it was decided, will be supported by staff members of respective departments. The Club will have to collect an adequate no. of projects from industries. They will also find out about the technical personnel from the industries, who can provide help for working on the projects.

The list of industries to be approached will be submitted by 30th April and the list of students (at least 2/industry) who will carry out the Shodh Yatra along with the staff members for support will be submitted by 3rd May 2011 to the T&P Department (office of the UDHISHA). This information along with the future plan of action for Shodh Yatras will be forwarded to GTU and Techpedia immediately after 3rd May 2011. Prof H.G. Rajput shall provide guidance to the team of each department for proper approach to industries; if requested by each department. The Schedule of concluding the Shodh Yatra has been delayed due to less availability of students & staff members in recent weeks, due to term work preparation and semester-end teaching effort.

Similarly at **C. U. Shah College of Master of Computer Application**, the meeting of the GTU Udishia Club was chaired by **Dr. G. R. Kulkarni**, Principal of CCET, and & CoChairperson of the

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Surendranagar Sankul. **Dr. H. B. Bhadka**, Patron of UDISHA Club of CCMCA, Wadhwan also shared his valuable inputs in this meeting. The meeting started with a welcome address by Dr. H. B. Bhadka and sharing inputs regarding the Objectives of UDISHA club, an initiatives by GTU, Ahmedabad. The PPT presentation was discussed by Dr. G. R. Kulkarni and shared with the UDISHA club materials & documents to all the members. As a part of the Club activities, Dr. H. B. Bhadka met District Director Officer (DDO) **Shri K. K. Nirala**, IAS of Surendranagar on dated 31-3-2011 at DDO Office, Surendranagar and they are ready to extend their support to ***invite students/faculties to develop the real-life IT applications needed to be implemented across the villages of Surendranagar District.*** Shri Nirala is impressed with the initiatives and he has assured to work together regarding such creative activities. Shri Nirala assured that they would make arrangements for financial support, appreciation to the students, faculties, institute in the form of shield/award & certification. Shri Nirala also assured that they would definitely extend their cooperation as the society & students will be the most beneficiary. The team also met **Shri Prakashbhai Varmora**, CEO of Varmora Group of Industries & President, GIDC Wadhwan and briefed him about the objective of UDISHA club and GTU Innovation Council.



Dr. G. R. Kulkarni, Principal of CCET & Co- Chairperson (Academic) of Innovation Sankul is addressing the students and faculty members during the conference.

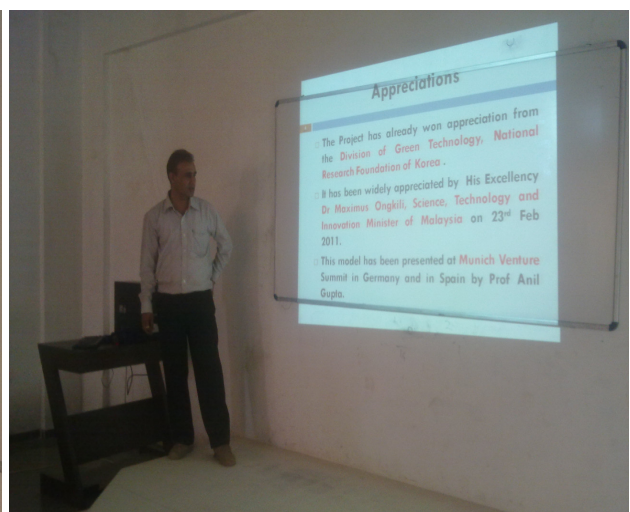
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Ms Trupti Pandya Co-ordinator Udisha Club, MGITER, Navsari conducted a meeting with faculty members & student members of the Udisha Club. It was the 4th meeting of the Club.



R K University team is brainstorming in designing an effective innovation ecosystem with excellence.



Principals/Directors of GTU Colleges interacting with their pre final year students and faculty members.

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been planned to boost activities of "Shodh Yatra" through training and placement cell of the institution.



GTU Innovation Club members attending a meeting at A. D. PATEL INSTITUTE OF TECHNOLOGY.

As per the discussion at the GTU Innovation Sankul meeting on 16th April, 2011, Udisha Club at **VVP Engg. College** has geared up with the activities of the Innovation Sankul at Rajkot-3 (Metoda GIDC). Mr. Hiranmay Mahanta of Techpedia.in had visited the colleges during the last semester and he had held inter-active sessions with the students to map the academic need factors.

Mr. Amit Degada, Convenor of UDISHA club and his team is in regular touch with students and their corresponding industries since last 4 months for initial level mapping and have already established the coordinators from each department. **Mr. Ashvin Karemore, Dr. Krishna Joshi, Mr. Bhavesh Dobaria, Mr. Sachin Rajani, Mr. Dipesh Kundalia, Mr. Girish Mulchandani and Mr. Kunal Khimani** are the Co-coordinators from the different branches. For the 'Shodh Yatras', the students of 6th semester Mechanical and Electrical have linked with Kadvani Forge LTD., Metoda since 1st week of March, GIDC. They are working with **Mr. Jayant Jamuvar** (Head, Designing Department) with two projects. Milap Vadi, Nishank Dholakia, Hiren makwana and Rahul Kundnani of 6th Semester are making progress on the project of Power Factor Improvement and Pneumatic Control of a forging machine to improve Efficiency of the Forging Machines. Prof. Sachin Parikh, Co-Chairman (academia) of Rajkot Innovation Sankul-3 has guided the above teams for linking maximum possible MSMEs of nearby GIDCs to the student groups.

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The above Udisha Club and a team lead by **Mr. Utkarsh Mehta and Mr Rashesh Dave** have successfully arranged a dozen industrial Shodh Yatras involving students of various colleges and disciplines in different colleges. They have successfully linked around 100 industries in 4 GIDC estates with various departments of respective colleges where a few students and faculties have started working, based upon the IDPs taken from the floor of MSME and larger industries and business.



Prof. Mitesh Dadhania has added a similar effort at **Sri Aurobindo Institute of Management, Rajkot**. They have explored many frugal ways for socializing the technologies and management applications with impact at BOP and MSMEs for whom these young management students can be a great resource person.

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64 GTU Udishas Clubs at various MBA colleges in different GTU Innovation Sankuls have started working under the guidance of their Udishas coordinators and Innovation Sankul authorities. GTU Innovation Council is soon going to integrate the vertical specific clusters and service sectors with these MBA Innovation Clubs to provide a practical case to each of GTU's young student guided by mentors both from MSMEs and academia. A holistic and inclusive innovation agenda is being articulated looking to these 10,000 plus students who can significantly add to BOP.

The GTU Innovation Council-enabled UDISHA clubs in various colleges prove that 'Practice is the best of all instructors' by facilitating industrial visits in an empathetic manner where the user defined issues are being taken as the key target to be solved. These 'Shodh Yatras', as the name suggests, are quests for innovation. **On 21st March 2011, the students of Atmiya Institute of Technology & Science, Rajkot had visited Rainbow Technocast industry** for the same and subsequently a half a dozen industries after this visit.. The industries were visited under the guidance of **Prof. Ashish Kothari and lead by Mr. Rashesh Dave and Mr. Utkarsh Mehta**. There were 24 teams from various disciplines of engineering who returned with a rich, first-hand, practical experience of industrial practice and started working upon the located issues even in multidisciplinary context. They have mapped around 4 dozen industries basically from MSME sectors during the past 3 months and 13 attempts have been made to design the prototypes of the proposed value added solutions for corresponding industries either in improving a product or process parameter.

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Industrial Shodh Yatras are aiming to 4 basic aspects: 1) To benchmark the current level of energy, material and technology youths in the enterprise.2) To identify any innovation that the Micro, small and medium enterprises (MSME) unit may have tried 3) To locate a set of well-defined problems, which may be solved by the students jointly with the faculty and floor persons from MSMEs/Users.(These problems may be taken up by students as their final year project or as a challenge project).4) To identify the policy bottlenecks which are coming in the way of realizing fully the entrepreneurial potential of 1 lac young minds at GTU.