

## **Unique features of the activities done by the UDISHA Club at various colleges in Gujarat Technological University**

1. Final year students at every Udisha Club presented their work done and experience of Industry Defined Problems to the pre-final year students in the presence of their Co-Chairman (Industry), Co-Chairman (Academia), Directors of Sankul, Industry Mentors, Principal, HODs and UDISHA club members at various Diploma and Degree Engineering colleges *in all the 25 Sankuls*. Industry mentors also awarded students for their good work for their IDPs *in Sankuls like Surendra nagar*.
2. Multidisciplinary team of students (Groups of students from Engineering, MBA and MCA) went on Shodhyatra to get a comprehensive idea about multiple heuristic of knowledge of the problems faced by the industries. *(Reported by Udisha Clubs of Ankleswar Sankul*.
3. Students not only did the Shodhyatra for the technical and technological innovations but for the societal benefits also. *(Students of Udisha Clubs of Gandhinagar Sankul visited Narmada Dam to get an idea about building the life saving robots. Students of LE College Morbi did the repairing and maintenance of the street lights which were not functioning for years)*.
4. A series of workshops at various colleges were held with close linkages with the industry mentors and experts to build the Innovation-through-Association. (Examples: (i) Seminars & Workshops on Android *reported by Udisha clubs at Naroda Sankul*; (ii) Oracle for O.C.A & O.C.P *reported by Gandhinagar Sankul*; (iii) Embedded System *reported by Chatral and Mehsana*; (iv) Entrepreneurship *reported by Rajkot-3 and Vatva Sankul*; (v) Wi-Fi Technology *reported by Vadodara-2 and other Sankul* ; (vi) Auto Desk System *reported by Surat and other Sankuls*; (vii) Communication and Presentation Skill *reported by Vadodara-1 and other Sankuls*).
5. Use of Social Networking media (Facebook) to build close and direct linkages with the students and faculty members of various colleges of GTU.It has been widely implemented in the *Udsiha clubs of Gandhinagar, Himmatnagar, Rajkot, Vatva, Godhra, Vidyanagar, Bhavnagar and other Sankuls*.
6. Gujarat council on Science & Technology (GUJCOST) Gandhinagar has sanctioned a few projects under the research scheme of "Student Sci-Tech Project Scheme". *(Reference-Udisha clubs of Navsari Sankul)*.

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7. Various clubs invited industry mentors to give lectures, whereby they shared their practical experience with the young techies. *Almost all the 25 Innovation Sankuls have implemented this.*
8. Inter and Intra Sankul linkages of Sankul Co-chairman (Academia) to build sustainable relationships among and between the Sankuls are being built through Visiting Lectures in one Sankul by Co-Chairpersons of another Sankul. *(References: Udsiha Clubs of Mehsana, Surat, Ankleswar, Rajkot-3, Vadodara-2 Sankuls).* Such efforts will foster a closer co-operation and use of strengths of multiple Sankuls to solve the problems of industries and society. It will also make it possible for Sankuls to share the best practices followed by one Sankul across the entire GTU system.
9. A series of workshops on IPR were organized by GTU at various colleges and the faculties and students were trained in the basics of IPR. The collective efforts of Colleges, UDISHA Club members and Sankul Committees made the programs a success. *(References: Udisha clubs of Mehsana, Surat, Rajkot-3, Vatva, Gandhinagar, Bhavnagar, Vadodara-2 , Vallabh Vidyannagar Sankuls).*
10. Inter College IDP competitions were organized at various colleges to share the ideas and innovation and to motivate the upcoming pre final students to excel in their IDP. The excellent IDPs were awarded at the competitions. *(Reference: Udisha Clubs of Mehsana, Surat, Vadodara-2 , Vadodara-1 , Ankleshwar and other Sankuls).*
11. FDP sessions were organized in the industry premises to train the faculties in the real life situations. *(References: Udsiha Clubs of Gandhinagar Sankul )*
12. Several IDPs got industry and government recognition and were provided full support by the government bodies. *(Surendranagar Nagarpalika is paying Rs. 3000/- stipend for the IDP projects of drainage line and water solution of Surendranagar. Similar efforts and success stories have been seen in Morbi and other Sankuls).*
13. Some Udisha Clubs arranged industrial visit on a periodic basis so that student may be able to see the applications of what they are studying in the class. This also helps the pre-Final year students to prepare themselves better for obtaining the IDPs for their Final Year projects. *(References: Udisha clubs of Mehsana, Vadodara-2, Rajkot-1, Ankleshwar and other Sankuls).*

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14. Some Udisha Clubs have organized periodic meetings in the nearby GIDC to strengthen the relationship with industries. *(References :Udisha clubs of Himmatnagar, Surat, Naroda, Ankleshwar, Gandhinagar, Bhavnagar , Morbi and other Sankuls).*
15. In some Colleges good mentoring for converting feasible projects in to a product model under the special guidance of the faculty has been done and the process of planning for filing patents is being worked out. *(References: Udsiha clubs of Vadodara -2 Sankul).*
16. Some of the Udisha Clubs are using green technology for all internal communication with faculties and student. As is the practice at GTU, these Clubs have started issuing all the circulars directed to faculties and students, on the college website. *(References: Udsiha clubs of Himmatnagar Sankul).*
17. In some Colleges, small projects are being assigned to second year students so that their capabilities can be increased.
18. In some cases, students have been invited specially by the industries for solving their problems and the industry has not only promised to provide stipend for providing the solution but also promised to provide job to those students who are able to find a feasible solution. *(References: Udisha Clubs of Morbi Innovation Sankul )*

The activities of the Udisha Clubs are strengthening the ecosystem of close linkages between industry and academia built in GTU.

*The Activities mentioned above are the activities reported by some of the Udisha Clubs to the University. The list of Reporting Clubs is provided in the Annexure. The Udisha Clubs, not mentioned in Annexure 1, have not reported their work to the University. An Udisha Club can send a report about its activities to [gic2@gtu.edu.in](mailto:gic2@gtu.edu.in) at the University.*

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## Annexure

Sr. No	Colleges
1	Atmiya Institute of Technology & Science, Rajkot.
2	A. D. Patel Institute of Technology, Vidhyanagar.
3	B. S. Patel Pharmacy College & Saffrony Institute of Technology Campus, Mehsana.
4	B. S. Patel Polytechnic, Kherva.
5	Babaria Institute of Pharmacy, Vadodara.
6	Babaria Institute of Technology-Varnama, Vadodara.
7	Bhagwan Mahavir College of Computer Application-Surat.
8	Bhagwan Mahavir Polytechnic, Surat.
9	Birla Vishvakarma Mahavidhyalaya, Vidhyanagar.
10	Chaudhari Technical Institute, Gandhinagar.
11	C. K. Pithawalla College of Engineering & Technology, Surat.
12	C. U. Shah Polytechnic, Surendranagar.
13	C. U. Shah College of Engineering & Technology, Wadhwan City.
14	Dr. B.B.A. Govt. Polytechnic, Karad (D.P), Dadra & Nagar Haveli.
15	Dr. J. K. Patel Institute Of Management, Vadodara.
16	Dr. S & S. S. Ghandhy College, Surat.
17	G. H. Patel College of Engineering & Technology, Vidhyanagar.
18	Government Engineering College, Modasa.
19	Government Engineering College, Bhavnagar.
20	Government Polytechnic, Vadnagar.
21	Government Polytechnic, Daman.
22	Growmore Group of Institution, Himmatnagar.
23	Hasmukh Goswami College Of Engineering, Vahelal, Ahmedabad.
24	Kalol Institute of Technology and Research Centre, Kalol.
25	L. C. Institute of Technology, Bhandu, Mehsana.
26	L. J. Polytechnic, Ahmedabad.
27	LDRP Institute Of Technology & Research, Gandhinagar.
28	Lukhdhirji Engineering College (Diploma), Morbi.
29	Manish Institute of Computer Studies, Visnagar.
30	Marwadi Education Foundation's Group of Institutions Faculty of Computer Applications, Rajkot.
31	Merchant Polytechnic College, Basna.
32	M.L. Institute of Diploma Studies, Bhandu, Mehsana.

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33	Narmada College of computer Application, Bharuch.
34	N. G. Patel Polytechnic, Isroli-Afwa.
35	N. M. Gopani Polytechnic Institute, Kinara Ranpur.
36	Naran Lala School of Industrial Management and Computer Science & MBA, Navsari.
37	Narayan Shastri Institute of Technology, Jetalpur.
38	Narayanbhai Bhikhabhai Patel Polytechnic, Piludara, Mehsana.
39	Om Institute of Engineering & Technology, Junagadh.
40	Om Shanti Engineering College, Rajkot.
41	Patel Group Of Institution, Moti-dau, Mehsana.
42	Parul Institute of Engg. & Technology, Waghodia.
43	R.C. Technical Institute, Ahmedabad.
44	S.B. Polytechnic, Savli.
45	S.D. Patel Polytechnic, Gadha.
46	S.G.J. MBA College, Koday-pul, Mandvi-Kutch.
47	S.P.B. Patel Engineering College, Linch.
48	S.R. Patel Engg. College, Dabhi, Unjha.
49	S.T.B.S. College of Diploma Engineering, Surat.
50	Sabar Institute of Management, Sabarkantha.
51	Sabar Institute of Technology for Girls, Sabarkantha.
52	Samarth Institute of Management, Himatnagar .
53	Sankalchand Patel Sahakar Vidyadham, Visnagar.
54	Sarvoday Polytechnic Institute, Limbdi.
55	Sardar Vallabhbhai Patel Institute of Technology, Vasad.
56	Sarvajani College of Engineering Technology, Surat.
57	Shree Saraswati Edu. Sansthan Group of Institutions, Rajpur.
58	Shri Aurobindo Institute of Management, Rajkot.
59	Shri Chimanbhai Patel Post Graduate Institute of Computer Applications, Ahmedabad.
60	Shri H. D. Gardi MBA College, Nyara, Rajkot
61	Shrimad Rajchandra Institute of Management & Computer Application, Maliba Campus, Surat.
62	Sigma Institute of Engineering, Vadodara.
63	Sir Bhavsinhji Polytechnic Institute, Bhavnagar.
64	STBS College of Diploma Engg., Surat.
65	Swami Sachidanand Polytechnic College, Visnagar.
66	T.N. Rao College of Management Studies, Rajkot.

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67	Tolani F.G. Polytechnic, Adipur-Kutch.
68	Universal College, Ahmedabad.
69	Vadodara Institute of Engineering, Kotambi.
70	Vallabhbudhi Polytechnic, Navsari.
71	Ved Vyas Polytechnic, Himmatnagar.
72	Vidyabharti Trust Institute of Technology & Research centre, Umrakh-Bardoli.
73	Vidhyamandal Institute of Technology, Bharuch.
74	V.V.P. Engineering College, Rajkot.

*Report Prepared by: Team GTU Innovation Council.*