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Student Startup Support System (S4)	Gujarat Technological University, Ahmedabad	GTU Innovation Council (GIC)

A

Report on

“Project Fair organized by Veerayatan Group of Institutions, Kutch”

Date: 18th May 2015

Time: 11:00 am to 16:00 pm

Venue: Veerayatan Group of Institutions, Faculty of Engineering and Faculty of Management
Haripar, Bhuj-Mandvi Road, Tal. Mandvi-Kutch.



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Gujarat Technological University has taken very nice initiative of organizing the project fair to showcase the efforts put by final year students, during their project work. Project Exhibition has been proved as an opportunity for the students of engineering domain to display their innovative and creative ideas. The exhibition has provided enormous learning opportunities to the students as they translate their conceptual understanding into real world projects and models and thus contribute to the welfare of the society by amalgamating science and humanity. On the other hand, the visitors have been benefitted with enriched idea of role of science to smoothen our lives. There were around 40 innovative and creative Patentable Projects with unique theme contributing to the welfare of society. Special focus on Electronics & Communication Technology, Mechanical, Civil, Computer, Information Technology Projects. Students were given excellent platform to demonstrate their project work and the same were analyzed by the external and internal jury members. Senior and experience faculties were selected as internal jury /faculty members.

Objective of Project Fair:

- The idea behind organizing such extravagant and incredible event is to make the students stand in today's society.
- To make the students practically efficient in their respective fields and be able to apply the conceptual knowledge in real time projects.
- To provide the better exposure to the students
- To encourage students to perform innovatively By applying the knowledge to the projects, serving the society and to work for a noble cause

Project Conveners:

- Dr B D Biranale(Director)
- Mr Jayant Kulkarni(HOD, Civil)
- Mr Rakesh Bhadani(HOD, Humanities & Science)
- Mr Jayvir Shah(HOD, Mechanical)
- Mr Nilesh Patel(HOD, Chemical)
- Mr Kunal Joshi(HOD, Comp/IT)
- Mr Nirav Rathod(HOD, EC)

Project Co-coordinators:

- Mr Pravin Barad (EC)
- Mr Haresh Bhagat (Civil)
- Mrs Vijaya Latawale (Mechanical)
- Mr Jayesh Jambukiya (Chemical)
- Mr Punit Patel (Comp/IT)

ELECTRONICS & COMMUNICATION ENGINEERING

PROJECTS:

Sr. No.	Enrollment No.	Name of Student	Topics	IDP/UDP	Guide
1	100920111021	Naqvi Alihasnain	Obstacle Detection and Avoidance by Robotic Vehicle using Ultrasonic sensors	UDP	Mr Nirav Rathod
	110920111004	Adroja Mahesh			
	120923111001	Patel Jigar			
2	100920111045	Bapodariya Pankaj	Image Processing based Direction Navigator	UDP	Mr Ashvin Baraiya
	100920111030	Thakar Harsh			
3	100920111052	Patel Ritesh	Verilog Implementation of SDRAM Controller	UDP	Mr Pravin Barad
	100920111032	Tandel Karan			
	100920111024	Tiwari Anuj			

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MECHANICAL ENGINEERING

PROJECTS:

Sr. No.	Enrollment No.	Name of Student	Topics	IDP/UDP	Guide
1	110920119042	Vaghani Bhautik	Solving of cage sensing problem in bearing assembly in bearing Manufacturing industry.	IDP	Mr Kapil Lakhani, Mr Prashant Slalat
	110920119035	Chudasama Rutu			
	110920119016	Jadeja Hitendrasinh			
2	110920119006	Jay Vaghasiya	Modelling and performance evaluation of Vertical Axis Wind Turbine (VAWT).	UDP	Mr Smit Thakkar, Mr Chirag Soni
	110920119008	Hardik Mavani			
	110920119039	Sidharaj Jadeja			
	110920119038	Vishal Sorathiya			
3	110920119061	Ajit Solanki	Efforts to reduce time in drilling operation by using multiple spindle in drilling machine.	IDP	Mr Antriksh Bhatt, Mr Aman Pandya
	110920119037	Amit Jha			
	110920119050	Rajgor Nikhil			
4	110920119029	Jignesh Radadiya	Design of gravity light mechanism by using gear drive.	UDP	Mr Hiren Solanki, Mr Govindji Padhiyar
	120923119013	Nikunj Vyas			
	120923119017	Pratik Patel			
	110920119004	Tushar Adroja			
5	110920119027	Chirag Patel	Design & analysis of leaf spring using composite material	UDP	Mrs Bhavini Bijalani, Mr Sunil Keshwani
	110920119033	Pravin Prajapati			
	110920119002	Vipul Rabari			
	110920119007	Satish Patel			
6	110920119045	Jay Patel	Influence of toolgeometry in hard turning and parameter optimization	UDP	Mr Amit Anakiya, Mr Chintan Vasani
	110920119066	Jignesh Limbachiya			
	110920119017	Rajesh Chauhan			
7	110920119054	Abhishek Joshi	Effects of Plastic fuel and sugarcane waste as	UDP	Mr Jayvir Shah,
	120923119008	Neel Keyur Patel			

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			a blend in gasoline on performance of internal combustion engine.		Mr Sandeep Patil
8	120923119003	Mayank Niman	prototype model of air caster	UDP	Mr Antriksh Bhatt, Mr Savan Thacker
	120923119005	Parth Patel			
	120923119001	Prakash Suthar			
	120923119002	Setu Patel			
9	110920119043	Arun Yadav	Computational fluid analysis (CFD) analysis and exploration of fins of varying cross-section in four stroke petrol engine.	UDP	Mr Valji Gadhavi, Mr Mahesh Solanki
	110920119010	Prashantkumar Upadhyay			
	110920119028	Vikash Pathak			
10	110920119051	Ashok Prasad	Effect of cylindrical & conical shell on conical heat exchanger.	UDP	Mr Hiren Solanki, Mr Prasant Salat
	110920119026	Vijay Dabhi			
	110920119012	Yuvraj Zala			
11	110920119003	Uday Jasani	Development of speed breaker device for generation of electricity.	UDP	Mr Jayvir Shah, Mr Sandeep patil
	110920119065	Dhrumil Patel			
	110920119064	Sapan Patel			
12	110920119001	Abidali Momin	Manufacturing of semi automatic material weight Lifting machine for the ease of construction labor.	UDP	Mr Parth Bhatt, Mr Govindji Padhiyar
	100920119019	Ali Ismael			
	110920119031	Ashraf Sanghariyat			
	100920119036	Rajesh Metaliya			
13	110920119024	Hadiya Gautam	To Improve accuracy of fuel Indication system.	UDP	Mr Aman Pandya Mr Aum Thacker
	120923119012	Jignesh kakadiya			
	120923119010	Nakum Kamlesh			
	120923119015	Jimesh Patel			
14	120923119014	Halpani Kishan	To reduce the cost	IDP	Mrs Vijaya

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	120923119011	Ketan korat	of pipe		latawade,
	100920119009	Dave Darshankumar	manufacturing		Mr Prashant
	120923119004	Chauhan Raturajsinh	process		Salat
15	110920119058	Divyesh Patel	Creating model of	UDP	Mr Aum
	100920119014	Nikunj Delvadiya	robotic arm with 3		Thacker,
	110920119005	Patel Hardik	degree of freedom.		Mr Chirag Soni
	110920119060	Patel Tarun			
16	100920119050	Bhargav Sindhav	Design	UDP	Mr Smit
	100920119053	Hemal Gajjar	development &		Thakkar,
	100920119052	Jay Barot	performance		Mr Aman
	100920119058	Nishant Jani	evaluation of		Pandya
			shuttle type		
			rotomoulding		
			machine.		
17	120923119016	Parth Budhbhaddi	Advanced thread	IDP	Mrs Bhavini
	110920119011	Darshan Thakkar	rolling & tool		Bijalani,
	110920119057	Tejas Bhanushali	sharpening system.		Mrs. Vijaya
					Latawade

CIVIL ENGINEERING

PROJECTS:

Sr. No.	Enrollment No.	Name of Student	Topics	IDP/UDP	Guide
1	120923106008	Shah Sahil Dharmendrabhai	A Project under MGNREGA for	IDP	Mr Brijesh Raychanda
	120923106002	Rudani Kirankumar Premji	Selected Villages of Mandvi Taluka		
2	110920106012	Rana Krushnapalsinh Digvijaysinh	A Project under MGNREGA for	IDP	Mr Haresh Bhagat
	110920106006	Dave Sujal Bharatbhai	Selected Villages of Mandvi Taluka		
3	120923106009	Pandya Tejas	A Project under	IDP	Mr Haresh

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		Harshadbhai	MGNREGA for		Bhagat
	100920106052	Vaghela Meet Kishorbhai	Selected Villages of Mandvi Taluka		
4	110920106016	Valani Ketan Chatrabhuj	Planning & Development of Mandvi Beach as a Tourist Spot	UDP	Ms Srilaxmi Bokka
	110920106023	Vyas Parag Devendrakumar			
	120923106001	Gajpariya Jayesh Sureshbhai			
5	110920106008	Patel Harsh Muljibhai	An Experimental Work on Cellular Lightweight Concrete	UDP	Mr Jigar Zala
	110920106009	Chauhan Ritin Kishorbhai			
	110920106001	Trivedi Manoj Shambhubhai			
6	110923106009	Parmar Mihir Narendra	Enhancing Bearing Capacity of Clayey Soils Using fibre reinforcement	UDP	Mr Narendra Pokar
	110923106015	Shah Kunal Jitendrakumar			
7	110920106007	Brahmbhatt NirajChandrakantbhai	Proposed Approaches for Effective Utilization of Space Under Flyover	UDP	Ms Srilaxmi Bokka
	110920106015	Chaudhari Bhavik Nileshbhai			
	100920106039	Pitariya Vijeshkumar Mohanbhai			
8	110920106011	Patel Ravi Rashikbhai	Study of Traffic Volume & Causes of Accidents at Pragpar Chowkdi and Remedies	UDP	Mr Brijesh Raychanda
	110920106020	Bhatt Bhargav Janakbhai			
	100920106055	Chauhan Chetankumar Pravinbhai			
	100920106040	Chaudhari Jay Ramjibhai			

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9	120923106004	Variya Mahesh Bhupendrabhai	Difficulties in Rainwater Collection in Veeraytan Engineering Campus and Solutions	UDP	Ms Vidhi Sanghvi
	110920106002	Vadaviya Juned Usmanganibhai			
	110920106022	Sarvaiya Gigabhai Samatbhai			

CHEMICAL ENGINEERING

PROJECTS:

Sr. No.	Enrollment No.	Name of Student	Topics	IDP/UDP	Guide
1	110920105001	Sanandiya Jaydip	Production of Biodiesel from Heterogeneous Catalyst	UDP	Mr Jayesh Jambukiya
2	110920105007	Vaghela Mahipatsinh			
3	110920105013	Chavada Parabat			
4	110920105005	Malkan Madhav	A simple method for production sodium silicate from rice husk	UDP	Mr Nilesh Patel
5	110920105003	Hirapara Rahul			
6	110920105004	Bhavsar Harikrishna	Production of citric acid from molasses	UDP	Mr Vijay Patel
7	110920105006	Dhola Chirag			
8	110920105011	Gohil Kishan			

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COMPUTER SCIENCE AND ENGINEERING & INFORMATION TECHNOLOGY ENGINEERING

PROJECTS:

Sr. No.	Enrollment No.	Name of Student	Topics	IDP/UDP	Guide
1	100920116013	Bhavesh B Patel	Travelbank	UDP	Mrs Ruchi Jain
	100920116029	Viral M Vaghela			
	100920116009	Prabhakar RV Singh			
	110920116003	Vishal B Parmar			
2	110920116007	Arif A Meman	Job Campus Portal(Jobadda)	UDP	Ms Parita chandan
	110920116005	Abhishek S Kalia			
	100920116026	Akshay B Patel			
3	120923116001	Rashesh G Chothani	Bidtech(Online Auction)	UDP	Mr Punit Patel
	110920116001	Nainesh A Patel			
	110920116004	AsgarAli H Dekavadiya			
4	120923107002	Devanshi J Gor	Online Campus System	UDP	Mr Bhavinsinh Solanki
	120923107003	Pooja G Malsatar			
5	120923107004	Nushrat R Malek	Brain Storming Cell	UDP	Mr Bhavinsinh Solanki
6	110920107001	Dheeraj B Chandel	My Diary	UDP	Mr Pratik Chauhan

Snaps of Project Fair:





FEEDBACK

I was extremely happy to see the quality of work, preparedness of the students and the presentation skills. The energy level in the entire team was of the high order. Overall I would say that my experience of interaction was very positive and want to appreciate all the faculty members for an outstanding work done. This surely would keep the students in very good stead to face the challenges in the future.

- Mr Pravin Barad (GIC Coordinator, VGI)

Project Fair is a great opportunity for students to interact with industry experts. It was encouraging to see the best research work by all the department displayed under one roof. We are thankful to Gujarat Technological University for inspiring us to organize such an informative event.

- Mrs Vijaya Latawale (Lecturer, Mechanical Dept)

Quite impressed and happy to see the innovative projects of Veerayatan Group of Institutions students.

Mr Kishan Chande, (Asst Prof, Electrical Dept)

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During project fair three projects from mechanical branch directly attract me for its application in order to reduce problem in society they are (1) Fuel is prepared from plastic and sugarcane waste and blended with gasoline, (2) Gravity light (3) Electricity production from speed breaker.

- Mr Jayvir Shah, (HOD, Mechanical Dept)

Report by:

Veerayatan Group of Institutions, Kutch

Report Edited By:

Juned Shaikh (GTU Innovation Council)