Report on

"New Palanpur for New India"

Technical event

Organized By:

SSIP CELL

Government Polytechnic, Palanpur

on

03rd MARCH, 2020

SSIP Co-ordinator

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With the blessing and vision of our Principal Shri S.D.Dabhi at Government Polytechnic Palanpur, we have arranged "New Palanpur for New India" technical event on 03rd March 2020.

Total 67 teams from nearby schools/ colleges participated in this event.

192 students from 6 different schools and 75 students of Diploma Colleges participated.

Around 1000 students from nearby school and college visited this event.

Sensitization and Registration:

SSIP Cell had started planning this event from December-19. First we identified 50 local problems of our city and then after, we started visiting different schools and met school principal/trustees. From each school we registered one teacher as a SPOC (single point of contact).

We arranged sensitization program especially for this event for school students and we went there with our student team with prepared prototype project model. And also we arranged, session on "ideation and design thinking" for school students. All sensitization programs were in form of question and answer.

Because of such sensitization program, many schools were interested to take part in this event. Other schools which we did not visit also showed interest and they contacted us via our institute students for arrangement of sensitization program. Then we allotted two student volunteers per school for registration process and to guide school students for making model.

Within 20 days we reached up-to 1500 students and explained all school students and teacher about SSIP, how SSIP can benefit to schools and about our event.

We received good response from schools and we started registration of team. If school teacher/student was not able to register on-line then we registered such teams by visiting school. After registration, we arranged mentoring session for all schools, and we visited all schools to mentor registered students for making their model.

Feedback from industry mentors/experts:
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On the day of event we invited out SSIP committee members and SSIP mentors and we received very appreciable feedback.

➢ Experts found that impressive ideas were involved in the implementation of projects.
➢ Experts found that most of the projects are really innovative.
➢ Experts admired the effort of SSIP cell in the form of Project to business model.
➢ Experts found that students have great potential to implement the ideas.
➢ Experts added that school students have more potential and they need stage to prove it.

Feedback from school students:

- Students understand the process of problem identification.
- Students feel that they are now able to convey their project work better way.
- It is very impressive to have such kind of events by SSIP for the development of the students.
- Students looked very excited to participate in such events

Key insights/ benefit/learning from the event:

- This kind of event helps to build confidence of the students.
- They feel proud that their work is appreciated by others.
- By suggestions from others will help them for future project work.
- They are able to market their project with good explanation.

LIST OF SOME IMPOTANT TITLE WITH SCHOOL/COLLEGE NAME

Sr no	Project title	School/college
1	Regular watering to new plant in city	Iqra English Medium school
2	Low cost dish washing machine	Iqra English Medium School
3	Traffic problem in city	Iqra English medium School
4	Solid waste collection	Adarsh school
5	Shortage of parking at shopping place	Smt. Hatiben r.k. katarotiya upper primary school
6	Shortage of parking at shopping place	Government High School Palanpur
7	Monkey in society	SHREE.K.B.KARNAVAT PRIMARY SCHOOL,PALANPUR
8	Electric and electronic	SHREE.K.B KARNAVAT PRIMARY SCHOOL,PALANPUR
9	Easy and fastest ways to give clear path for ambulance.	SHREE.K.B KARNAVAT PRIMARY SCHOOL ,PALANPUR
10	"TID" attack in farm	SHREE.K.B KARNAVAT PRIMARY SCHOOL, PALANPUR
11	Roti making problem by blind woman.	Smt. Hatiben r.k. katarotiya upper primary school
12	Traffic on roads due to cows and other animals	Vidyamandir
13	Water the plants when whole family on vacation	Vidyamandir
14	Wastage of water on rode	Angels school Deesa
15	Dengue mosquitoes in house and offices	Angels school Deesa
16	Swimming belt rescue	M M Mehta em.s 6to 8 vidhyamandir

17	Security drone	Adarsh school
18	Child location detector	M m Mehta ems 6to 8 vidhyandir
19	Air checking for vehicle	Vidhyamandir school
20	Aroma traffic problem	SHREE.K.B.KARNAVAT PRIMARY SCHOOL,PALANPUR
21	Security system with alarm	SHREE.K.B.KARNAVAT PRIMARY SCHOOL,PALANPUR
22	Solar bicycle	B S Polytechnic, Kherva
23	Water distribution system for campus	G P Palanpur
24	Gas leakage detection	G P Palanpur
25	Smart dustbin	G P Palanpur
26	Lighting system for street fruit seller	G P Palanpur
27	Obstacle detector for blind person	G P Palanpur
28	Delivery drone	G P Palanpur
29	Drone for flood area	G P Palanpur
30	Smart switch board	G P Palanpur

AWARDS GIVEN ON THE DAY OF EVENT:

BEST 3 IDEAS

RANK-1	Vatsal (IC)	G P Palanpur
TITLE	Gas leakage detector	

RANK-2	Unnat Patel	B S Polytechnic Palanpur
TITLE	Electric bicycle	

RANK-3	Umang	Vidhyamandir school
TITLE	Swimming belt rescue	

BEST 3 SCHOOLS FOR BEST PERFORMANCE

ADARSH SCHOOL, PALANPUR	74 students,17 team registered

KARNAVAT SCHOOL, PALANPUR	42 students, 8 team registered

IQRA SCHOOL, CHADOTAR	40 students, 7 team registered

6 STARTUP/ HAVING POTENTIAL

Startup name	Founder name	Remark
A K Electrical	Kirtan Chaudhary (Passout-2018 G P Palanpur)	MSME register
Thnk News	Saurav Patanhar (Passour DAIICT, Gandhinagar)	Available in market
Master Control System	Vasim manasiya	Prototype tested
Dustimon	Hiten Patel (GTU Passout 2019)	Prototype ready
Indian Engineering	Naved Pathan (6th Mech. Student)	Prototype ready
Drop and Drop	Dishant Gouswami (5th Electrical student)	Prototype tested

STUDENT APPRECIATION

9 school students and their mentor were awarded by appreciation certificate for participating in "Smart Gujarat Hackathon-2020".

22 students of our institute were awarded by appreciation certificate for participating in "Smart Gujarat Hackathon-2020".

Honorary guests on the day of event

1. Chief Officer Nagar Palika, Palanpur
2. Disaster Project Manager, District Office, Palanpur
3. Treasury Officer, District office , Palanpur
4. Director, Vidhyamandir Trust, Palanpur

SOME GLIMPSES OF "New Palanpur For New India"

Brief note of event:

- "New Palanpur For New India" is a state level technical event organized by SSIP Cell, G P Palanpur
- It's a chance or opportunity to explore solution of real life problem in our city like traffic problem, 'TID' (locust) attack in farm, waste management, wastage of water on roadetc..
- It's a Open competition for all school, and college students across the state
- On the day of event, participant will present solution of theme/topic given for challenge
- Best three participants will rewarded with cash prize of 5000 Rs, 2000 Rs and 1000Rs.
- Appreciation letter will be awarded to upcoming startup/firm from SSIP Cell Government Polytechnic Palanpur.

  List of startup/firms to be awarded:

  1. **Dustimon :**

     It is a dustbin which looks like any famous cartoon character and main target audience is children. In public places, children like to play with remote controlled toys or Games, Instead of that, we designed our Dustimon (Dustbin)that can do the task of remote controlled toy car and we added some more features like to speak, to open and close mouth of dustbin. A social game is designed with this dustbin for completing "MAKE IN INDIA, CLEAN INDIA, DIGITAL INDIA, STARTUP INDIA, INNOVATE INDIA AND EMPOWER INDIA".

     - It is prepared by Pass-out student of Degree Engineering now incubated in our SSIP cell and 6th semester electrical students of G P Palanpur.
     - Financial support and mentoring support provided by SSIP Cell G P palanpur for prototype

  2. **Local News Android Application:**

     This is android application prepared for local news.In this application we can get all local news updates very fast and also there is facility for advertisement from local shop keepers.

     - It is prepared by DAIICT, Gandhinagar (IT Engineer) pass-out student and currently incubated in our SSIP cell
     - Mentoring support provided by SSIP Cell G P Palanpur for prototype and for financial support it is under process.

  3. **Mobile control- Industrial electrical control panel:**

This Device can easily fixed in three phase industrial control panel to operate appliances/machine using smart-phone.Cost of this product is around 1000Rs while market price is around 5000Rs.

- It is prepared by 4th semester electrical student of G P Palanpur
- Mentoring support provided by SSIP Cell G P Palanpur for prototype and for financial support it is under process.

4. **A K Electrical: Solar Roof top contractor**

   MSME Register firm; it is for solar roof top installation and servicing in Houses, Farms and for big industries.

   - This firm is founded by pass-out (2018) students of electrical department, G P Palanpur.
   - Mentoring support provided by SSIP Cell G P Palanpur.

5. **Low cost bending machine:**

   It is very useful for construction industry to mould the rods and plates.

   - It is prepared by 6th semester mechanical studentsof G P Palanpur.
   - Financial support of Rs 62000 has been provided by SSIP cell G P Palanpur.

6. **Automatic water distribution system and water flow controller:**
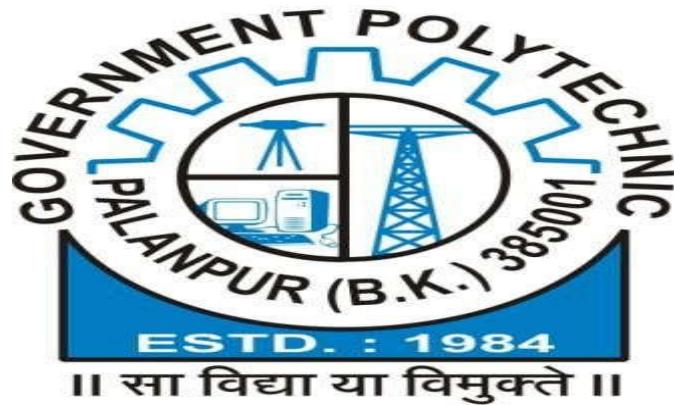
   It is very useful for making automatic water distribution system in society, government buildings, colleges, houses etc..

   - It is prepared by 6th semester electrical students of G P Palanpur.
   - Financial support of Rs 10000 has been provided by SSIP cell G P Palanpur for prototype.

- Best three schools will be given trophy as per the performance of the students on the day of event.
- Event will chaired by Shri. S D Dabhi, Principal Government Polytechnic Palanpur

Report of

FINAL YEAR PROJECT FAIR

Organized By:

Government Polytechnic, Palanpur

on

03rd MARCH, 2020

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With the blessing and vision of Principal Shree S.D.Dhabhi at Government polytechnic palanpur Gujarat have Arranged "Final Year GTU Project Fair (Project Exhibition) on 03rd March 2020

The Guide lines being strictly Followed as per GTU Circular Dated 23-01-2020 Ref GTU/CiC3/DIC/Project FY/2019-20/967

Total 23 Groups of final year student different Diploma branch (Civil, Mechanical, Electrical, IC, EC) was participated in GTU project fair.

LIST OF PROJECT

SR NO	PROJECT TITLE	DEPARTMENT
1	Smart Delivery Drone	EC
2	Automatic Pitch Cover	IC
3	Gas Leak Detector	IC
4	Gimble	IC
5	Automotion In Water Flow Controller (G.P. Palnpur)	ELECTRICAL
6	Intelligent Blind Stick Using Aurduino	ELECTRICAL
7	Color Shorting Machine	ELECTRICAL
8	Ferranti Effect Controll Using Aurduino	ELECTRICAL
9	Planning Of Residential Staff Quarters At GP Palanpur	CIVIL
10	Rain Water Harvesting System At Girls Hostel GP Palanpur	CIVIL
11	Planning Of Low Cost Housing Building	CIVIL
12	Solar Bicycle	MECHANICAL
13	Power Generating Speed braker	MECHANICAL
14	Reconditioning Of Milling M/C	MECHANICAL
15	Underground Car Parking System	MECHANICAL
16	Design And Fabrication Of Drain/Gutter Cleaner Machine	MECHANICAL
17	Reconditioning Of Redial Drilling Machine	MECHANICAL
18	Flexible Benging Machine With Pneumatic Cylinder	MECHANICAL
19	Pipe Inspection Robot	MECHANICAL
20	Reconditioning Of Milling M/C	MECHANICAL
21	Dual Side Shaper Machine	MECHANICAL
22	Solar Operated Automatic Gate System	MECHANICAL
23	Design And Fabrication Of Mobile Operated Floor Cleaner	MECHANICAL

Feedback from industry mentors/experts:

➢ Expert found that very impressive ideas are involved in the implementation of projects.
➢ Expert found that most of the projects are really innovative.
➢ Expert admired the effort of GTU as Technical Innovative University and appreciates the efforts in the form of Project to Business Model.
➢ Expert found that students have great potential to implement the ideas.

Feedback from final year teams:

➢ Final year students really admiring the efforts of GTU in the direction of Innovation, Canvas Exercises and finally Business model.
➢ The Design Engineering exercises are really stage wise scientific methods for problem identification as well solution strategies.
➢ Students appreciated GTU efforts for become entrepreneur by Project.
➢ Poster presentation students feel that they are now better able to convey their project work.
➢ It is very impressive to have such kind of practices by the GTU for the development of the students.

Feedback from faculty members:

➢ Faculty members appreciated GTU efforts of PMMS plate-form.
➢ Faculty members find nice co-operation form GTU persons about any query related to Project.
➢ Faculty members accept that the method of project selection to ending is scientific method of research and output oriented.

Feedback from 2nd year students:

➢ 2nd Year students are getting motivated about Quality of Projects for their 5th and 6th semester work.
➢ They are getting good guidelines for project execution and completion.
➢ They feel that this event will work to encourage them for quality project and
➢ build relationship to their seniors.
➢ The whole event is coordinated by 3rd year students, imparting them management and decision abilities.

Key insights/ benefit/learning from the event:

➢ This kind of Exhibition/fair helps to build confidence of the students.
➢ They feel pride that their work is appreciated by others.
➢ By suggestions from other than their guide will help them for future projects either of Bachelor degree or certain other government sponsored.
➢ They are getting able to market their project by good explanation.
➢ Industry – Institutions liaison may become strong.
➢ 2nd year students can learn for their future actions.

BEST 3 PROJECTS/ POSTERS

RANK-1	Darji Govindbhai V	Electrical Engineering
TITLE	Intelligent Blind Stick Using Aurduino	

RANK-2	KRISHNA MAHENDRA PANCHAL	Electronics & Communication Engineering
TITLE	Smart Delivery Drone	

RANK-3	Prajapati Ketan Prabhubhai	Mechanical Engineering
TITLE	Solar Bicycle	

SOME GLIMPSES OF PROJECT FAIR