

GOVERNMENT POLYTECHNIC, JAMNAGAR

MECHANICAL DEPARTMENT NEWSLETTER

GOAL

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Newsletter



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DEPARTMENT VISION & MISSION

Vision:

To provide quality education emphasizing technical skills to cater the needs of industry and society.

Mission:

- M1.** To impart technical knowledge by using latest available facilities.
- M2.** To inculcate technical skills into students for their professional development.
- M3.** To nourish personality by emphasizing ethical values.
- M4.** To facilitate career development support through proper guidance.

Programme Educational Objectives (PEO):

- PEO1.** To apply the principles of Mechanical Engineering in various employment areas.
- PEO2.** To achieve professional success both as individual and in team environment.
- PEO3.** To pursue life-long learning through professional practice and higher studies.

Programme Specific Outcomes (PSOs):

- PSO1.** Able to operate and maintain mechanical systems.
- PSO2.** Capable of manufacturing or processing the product as per society needs with environmental safety.

TECH-ENDEAVOUR 2017

Tech-Endeavour was held on 17-18, March 2017, total 120 students were participated from Government Polytechnic, Jamnagar.

Outcome: Students are motivated for various competition like poster, quiz, entrepreneurship, project fair, robo race etc.



Government Polytechnic, Jamnagar has always taken unique initiative for the betterment of students. As per the GTU curriculum final year students have to do their projects under the title of IDP/UDP. Students work on different challenges faced by industries or society, they try to solve that challenges as a part of their project work. Government Polytechnic, Jamnagar had organized a project fair on 17-18th March, 2017 at New Building, Government Polytechnic, Jamnagar. The project fair has provided platform for the students to display the innovative projects that address several issues faced by the society, and are a contribution of our students to the city, state and Nation at large. Staff and students of the entire branch have showcased various state of the art projects.

Project Fair was a success under the guidance of Honorable Principal A.K.Zala Sir, Principal, Government Polytechnic, Jamnagar and Respected

H.V.Mandalia Sir, HOD, Department of Mechanical Engineering, Government polytechnic, Jamnagar. This Project Fair was a triumph due to constant and untiring efforts and inputs of all Head of various departments. Aim of this fair was to show-case work done by final year students.

Principal Sir and HOD, Mechanical have emphasis mainly on entrepreneurship they said that it would be great if students can focus to convert their project in to a product useful to society as well as it will be a stepping stone for students to become entrepreneur.

More than 50 visitors have visited project fair during 17-18th March, 2017 that includes industrialist, government officials, students, educators from other institute etc.

We received very motivating and positive feedback from various parts of the society. Visitors had highly appreciated work and efforts of staff and students.

“Great Effort, Innovative Work”, was the words from Mr Ashish Bakrania, CEO of Bharadia Engineering Company, He was highly impressed by work of our students. MrJaydipGorecha, Director of SamanjasUdyog Pvt. Ltd motivated students by appreciate tremendous effort and out of the box thinking. Many of the Govt. Officials have appreciated sincerity and technical awareness of our students.

Following is the detail of projects showcased at Project Fair.

Mechanical Engineering Department

Project – 1:



Project Title: Tree Branches Cutting Machine

Description: Prototype of vehicle is made by the students to cut the excess branch of trees at road side. Cutter is rotated with the help of motor through chain drive. In rural area we see that trees are covering half road, Due to which people cuts whole tree instead of cutting branches. This kind of machine is used at that particular area.

Group Members:

RathodShantilal (156258319023)

RathodDarshan (156258319022)

RathodVimal (156258319024)

ParmarHiral (156258319018)

Nimavat Anil (156258319015)

HadiyalKishan (126250319081)

Project – 2:



Project Title: Hub less Bicycle

Description: Cycle doesn't have hub at the rear wheel. Rear wheel is driven with the help of Epicyclical Gear Train. This cycle have lower Center of gravity and due to that working of the cycle is very smooth.

Group Members:

VadherKishor (136250319118)

NakumNirmal (156258319010)

ParmarPradip (136250319074)

ParmarVimal (156258319021)

Nimavat Anil (156258319015)

ParmarNilesh (126250319020)



Plate 1: Entrepreneurs and German Guest Observe Student's project



Plate 2: Poster of One of the project



Plate 3: Principal Shri A.K.Zala and Entrepreneurs taking keen interest in student's project



Plate-3: HOD Shri H.V.Mandalia observing and giving motivation to Students.

Industrial visit

Shiv-Om Brass Industries

Address: Plot No. 3690, 3691, Road No. 7, Near Pramukhswami Circle G. I. D. C., GIDC Phase III, Dared, Jamnagar, Gujarat 361004

Phone: 0288 257 3600

Outcome:

Students get motivated for their final year projects and become entrepreneurs.

Details of Industrial Visit are as below:

1) Shiv-Om Brass Industries, Address: Plot No. 3690, 3691, Road No. 7, Near Pramukhswami Circle G. I. D. C., GIDC Phase III, Dared, Jamnagar, Gujarat 361004

Phone: 0288 257 3600

Date of Visit: 25-26, March 2017

Faculty Name: Mr. A.K.Zala, Mr. H.V.Mandalia, Mr. A. M. Galani,

Class during visit: 6th semester, Mechanical Engineering (Project)

2. Contact Person: Mr.

Description of the Visit: *Shiv-om producing precision turned brass components and supplies to OEMs.*

In order to bridge gap between industries and institute, a good initiative is done by Government Polytechnic, Jamnagar. To motivate the project work done by final year students of Government Polytechnic, Jamnagar, Pro-active entrepreneur from Shiv-Om brass industries has invited the selected final year students for their best innovative projects after completion of project fair visit at Government Polytechnic, Jamnagar as on 17th March, 2017.

In order to fulfill above mentioned task, a visit of Shiv-Om brass industries had been organized by department of mechanical engineering on 25-26, March 2017.

There are no photographs available for above mentioned visit.

Industrial Visit

Active Enterprise, 704, GIDE Phase II, Dared, Jamnagar



Industrial visit was carried out at Active Enterprises, GIDC, Dared, Jamnagar, on 17th March, 2017 especially for semester six student. The main objective behind the visit was to make student aware about how various activities related to manufacturing, production and selection of jigs and fixtures are carried out in company and give them feel of tool engineers as soon as they start there course in tool engineering. We along with 40 students left for visit at 9 a.m. and took about half an hour to cover the distance. The company is located in GIDC, Dared in Jamnagar city. As soon as we reached company we were guided by Mr Sidharth Mehta to office for orientation of company was given by him.