

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

MECHANICAL DEPARTMENT PRESENTS

BULLETIN

2019-20

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23RD
AUGUST 2019

INTRODUCTION:

ASME- TCET in collaboration with SAE-TCET conducted a seminar on Opportunities for Higher Studies Aboard for second third and final year students

OBJECTIVES:

- 1.To brief the students about qualifying for studies in abroad*
- 2.To provide students with guidelines for preparation for qualifying exam*

ABOUT:

Studying abroad provides many advantages students can gain, such as: Broadening world views and ways of thinking by experiencing different cultures firsthand.

Benefiting students with future career opportunities by providing more life experiences and personal connections. IMFS (Institute of Management and Foreign Studies) on of the prestigious institutions in the field organized the seminar. Mr. K.P. Singh, the CMD of IMFS, was

the speaker at the seminar.

Student of Mechanical engineering were a part of this enlightening seminar. He reflected his profound knowledge on the fact that how important it is to plan early for abroad studies and how IMFS helps one in this process.

OUTCOMES

- 1). Motivated students to pursue higher studies in top ranking universities in foreign countries by providing information about an education system, expenses in higher education*



23TH
SEPTEMBER 2019

Quad Torc is an off road design challenge for engineering and Diploma undertaking students. Quad is a four wheeled bike, an ATV (All-Terrain Vehicle) that was manufactured to use as a vehicle for transportation in strenuous terrains. The contest involves designing a Quad bike following some quoted rules and regulations. All the manufacturing process must be strictly undertaken by the students without any direct or indirect involvement of professional help.

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ABOUT:

Team Technocrats participated with full enthusiasm at the Quad-Torc 2019 which is a national level quadbike designing and fabrication competition. The team received great appreciation from the technical inspectors and judges. Team Technocrats represented Thakur college of engineering and technology and secures 6th place all over the nation out of 49 teams participating



The achievements of Team Technocrats are:

- 1) Won First prize in Cost Plan.
- 2) Secured First place in DisAsm event (49.16min)
- 3) Judges choice Award (Best female participant: Ms. Ruchi Pourana)
- 4) Secured Second place in Business Plan presentation.
- 5) Secured Third place in Traction Test.
- 6) Secured Third place in Fuel Economy Test.
- 7) Finished sixth in the endurance race
- 8) Overall rank 6th out of the 49 participating teams .



11TH
OCTOBER 2019



INTRODUCTION:

in order to test and creativity of engineering students department of mechanical engineering held poster competition taking a holistic approach of students of all branches.

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ABOUT COMPETITION:

Poster making facilitates team work and understanding along with facilitating creative thinking and extensive research and reading. It provides students with an opportunity to learn by doing, in turn strengthening the learning. Dr. A. P. J. Abdul Kalam once said that "Innovation is born out of the cultural excellence" and to achieve

this cultural excellence and shift in tradition culture of education, Mechanical department of TCET organized Poster Competition on "Innovation" on 11th October, 2019. Many students actively participated in the competition.

The main objective of the competition was to unleash the creative young minds of young engineers' in order to ensure their holistic development





15TH
OCTOBER 2019

INTRODUCTION:

ASME-TCET organized a seminar on solid works and project management for the second and third year students to guild them in order to pursue a career in the above mentioned fields

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SEMINAR:

SOLIDWORKS is a very productive 3D CAD software tool, with its integrated analytical tools and design automation to help stimulate physical behaviour such as kinematics, dynamics, stress, deflection, vibration, temperatures or fluid flow to suit all types of design.

Seminar on Solidworks and Project Management by CADD Training Center, one of the most known institute for engineering courses. Organized on 15th October, 2019, the speakers Mr. John Mathew, Mr. John and Mr. Cleon D'souza threw light on concepts, facts and numbers for better understanding and apprehension of students. We thank CADD Training Centre for helping to take students of mechanical department a step closer to success.

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OUTCOME:

- 1). Understanding the concept*
- 2). Taking note of importance of the topics mentioned and helping the students for their future.*

18TH
OCTOBER 2019

DETAILS

Workshop on the Solid works and Quadcopter
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DAYS

3 days
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PARTICIPANTS

Students from Mechanical Department. One group (5 students)
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INTRODUCTION

ASME organised two important technical workshop for technical fest of the institute. Solid Works and Quadcopter where the two major technical workshops that help to develop and understand the overll concept of designing and automation



ABOUT:

SOLID WORKS WORKSHOP:

This workshop was conducted by Cadd Centre. The participants of this workshop were introduced to the various features of the software and they were also taught how to create 3D models using Solid Works software

QUADCOPTER WORKSHOP

This workshop was conducted by RoboKart. The participants of this workshop were introduced to Controllers and Embedded Systems Designs. They also learnt to construct their own quadcopter drone..

OBJECTIVES

1. *to let students comprehend proper methodology of quadcopter.*
2. *Knowledge of application of various components.*
3. *Certificate of completion*
4. *learning and understanding basic concepts of designing using solid works software*

OUTCOME

1. *Team work among the participants of same group.*
2. *Understanding of the concepts.*
3. *Fabrication of quadcopter by using the compents provided*

WORKSHOPS