

# MECHANICAL ENGINEERING



## Our Alumni :

Our Students are placed in different sectors in distinguished positions includes Government and Non –Governmental organizations.



Figure: Alumni group photograph



Figure: Group photograph of pass out students (year-2018)

## **BHAGWANT UNIVERSITY**

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# News Letter

Department of Mechanical Engineering, BU-Ajmer

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## Faculty of Mechanical Engineering

Bhagwant University is located in Ajmer, Rajasthan, India. It is a co-educational Private University in Ajmer in the state of Rajasthan, India. The University founded in the year of 2008 under the guidance of our visionary Chairman Dr. Anil Singh and Vice Chairperson Dr. Asha Singh to create career opportunities in the field of specific discipline, he or she may become multi-disciplined through experience.

Engineering is often characterized as having four main branches: Chemical Engineering, Civil Engineering, Electrical Engineering, and Mechanical Engineering. Mechanical Engineers are also expected to understand and be able to apply basic concepts from chemistry, physics, tribology, chemical engineering, civil engineering, and electrical engineering. Most mechanical engineering programs also require varying amounts of research or community projects to gain practical problem-solving experience. In the United States it is common for mechanical engineering students to complete one or more internships while studying, though this is not typically mandated by the university. We currently have the number of students from different states of India as well foreign students from Nepal, Sudan, Yemen & Saudi Arabia etc.

## Why to choose Mechanical Engineering as a career?

A career in Mechanical Engineering allows you to build a better future for your and for the world. This explains why 89% of engineers have high levels of job satisfaction and would choose the same career path again. Mechanical Engineering is a creative profession, with an emphasis on designing, simulating and improving the world we live in. Mechanical engineers are also concerned with energy resource production and utilization, environmental protection measures, and alternative energy systems such as solar, wind and tidal power. Mechanical engineers are versatile, and frequently take on inter-disciplinary projects which overlap with electrical, chemical and civil engineering.

Multiple career paths are available in Mechanical engineering like:

- CAD/CAM Engineer
- Automobile Engineer
- Junior Locomotive Engineer
- Refrigeration and Air-conditioning Engineer
- Operation & Maintenance Engineer
- Design Engineer
- Quality Control Engineer
- Scientist
- R&D Engineer
- Production Engineer

### COURSES OFFERED

Ph.D	Min.3Yrs
M.Tech	2 Yrs.
B.Tech	4 Yrs.
Dip. Engg	3 Yrs.

# Seminar / Workshop

## Workshop on Arduobotics Robotics on 19-20 April 2019

Mechanical Engineering, Bhagwant, University, Ajmer organized two days workshop on Arduobotics Robotics on 19-20 April 2019. In this workshop total 63 students participated from the Civil & Mechanical Engineering Department of Bhagwant, University. Chief Guest of this workshop was Er. D.B. Mundra, Joint President of Toshniwal Industries Pvt. This workshop was done in the association of TECHNEX, IIT Varanasi.



Figure: Chairman Sir distributing certificate of excellent to the winners



Figure: Prof. R.K. Mathur honoring with Bukey to Chief Guest Er. D.B. Mundra,



Figure: Photo of News of Robotics Workshop.

## Industrial Visits

### HMT Machine Tools Ltd., Ajmer

HMT Machine Tools Ltd. has made a name for itself in the list of top suppliers of Industrial Machinery & Parts ,Grinding & Milling Machinery in India. The supplier company is located in Ajmer, Rajasthan and is one of the leading sellers of listed products.

HMT Machine Tools Ltd. is listed in Trade India's list of verified sellers offering supreme quality of Turning Machines , Grinding Machines etc. Our students learnt about different machines, Engineering processes and assembling of machines. They visited on dated February 22, 2019. There were 36 students, three faculty Dr Munna Verma, Er Yadram Singh , Er Dhananjay Chauhan and one Lab Tech Mr. Manohar Singh.



Figure: Group photo at HMT, Ajmer

### Baxil Pharma, NSPL and Gogol Hydro Power Plant, Haridwar

An Industrial Tour went to Haridwar, Dehradun, Mussoorie and Rishikesh at 5th March to 9th March 2019. There were 42 Students, Two Faculty Er T.N. Pande, Er Dhananjay Chauhan and one Lab Tech. Mr Jai Narayan (CE) went to tour. All students went to Haridwar and visited three companies Baxil Pharma, NSPL and GOGOAL Hydro Power Plant.



Figure: Visit of BAXIL Pharma.



Figure: Visit of Gogol Hydro Power Plant at Haridwar.



Figure: NSPL Visit Manufacture MCV Breakers.

Our student visited  
**SOLAR POWER PLANT**  
at BU Campus.



Figure Group photo of solar power plant at BU Campus.

## Auto CADD Training

Thirty days Auto Cad Training program sponsored by CADD Centre from 06.03.2019 to 05.04.2019 was organized at the Bhagwant University, Ajmer.

# Inter College Tech Fest "COMPTECH-2019"

Two days Inter College Tech Fest "COMPTECH-2019" was organized by Bhagwant University, Ajmer on 27th-28th March 2019. This Tech Fest was inaugurated by Honorable Vice Chancellor Prof. (Dr.) V.K. Sharma, Chief Guest Er. O.P. Bansal (Joint Director, Revenue Board, Ajmer) and special guest Mr. Yogesh Singhal (Programmer, Revenue Board, Ajmer) on 27.03.2019 at 9:30 A.M. Prof. R.K Mathur Dean, International Affair) and Dr. R.K. Singh (Dean, Academic) were also present during inaugural ceremony of this Tech Fest.

In these two days Tech Fest total 200 students were participated in different events from various University/Institute of Ajmer. The No. of registered students in different event were 156 students in Brain Fizz, 21 students in Innovative Exhibition, 11 students in Modern Robotics Technique, 102 students in Group Discussion, 50 students in Technical Paper Presentation and 38 students in Technical Poster Making.



Figure: Vice Chancellor of B.U. Ajmer watching project work of student in Innovative Exhibition.



Figure: Vice Chancellor with students.



Figure: News cutting of CompTech-2019.



Figure: Photo of students with faculties.

## Lab Details:

We are having following labs consisting of various equipments as required according to syllabus.

1. Strength of Material Lab
2. Material Sc. Lab
3. Thermal Engineering Lab
4. Prod. Engineering. Practice
5. Computer Programming Lab
6. Machine Drawing
7. Fluid Mechanics Lab
8. Thermal Engineering Lab
9. Automobile Engg Lab
10. Mat Lab & Computer Graphics
11. Heat & Mass Transfer Lab
12. Cam & Robotics Lab
13. I.C Engine Lab
14. Industrial Engg. Lab

## 3D Printing Technology

Bhagwant University is a leading Educational Technical University in Ajmer. This university is introducing a new innovated course of 3D printing technology which is useful in a variety of industries including Jewellery, Footwear, Industrial Design, Architecture, Engineering and Construction, Automotive, Aerospace, Dental and Medical, Education and Consumer products.



Figure: 3D Printer

## Total Student Strength and Result:

Diploma	B.Tech	M.Tech
Strength: 32	Strength: 44	Strength: 6
Result :100%	Result : 95%	Result : 100%



Figure (a) photo during CADD Training