

The NEWSLETTER

Robotics is the branch of science that deals with the design, construction and application robots. This technology is increasing with the changing wheel of time. The robots are basically the machines are used to reduce human labor in the piece of work. The robots have wide range of application in the field of hospitals, automotive and mining industries. They can do the work that human can't do without any harm example detecting the mines in the areas threatened to the terrorist attack. They are also used in industries on large scale. They can perform any hazardous and catastrophic task that is not reach of humans.

For the functioning of the robot we should have the knowledge about the software that are being used for it. Various software are being used but for operating a simple bot, AVR software are the one often used. The software uses the programming language known as embedded C that is similar in the language as C. So one has to familiar with the C language. We can build the circuit board or can use the open source microcontroller Arduino, customize it according as per needs. That's why one also has to familiarize with the microcontrollers and their working.



Power Story

ROBOTICS *an emmerging technology*

The question often arises about how can we the part of this technology or learn it. One has to be multidisciplinary as robotics is the branch of science which needs the knowledge of computer science, electronics, and mechanical subjects. In short, one has to all-rounder in the field of science and technology to learn this field.

MECHA TROKE



DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT

VISION

To produce globally competent and socially responsible technocrats and entrepreneurs who can develop innovative solutions to meet the challenges of 21st century.

MISSION

M1. To Provide Value-Based Education through Multi Grade Teaching Methodologies and Modern Education Facilities.

M2. To Sustain an Active Partnership Program with Industry and Other Academic Institutes with an Aim to Promote Knowledge and Resource Sharing.

M3. To Conduct Value-Added Training Programme to Enhance Employability.

M4. To Provide a Conducive Environment for Development of Ethical and Socially Responsible Technocrats, Managers and Entrepreneurs.

DEPARTMENT OF MECHANICAL ENGINEERING

VISION

To produce competent mechanical engineers having distinct employability skills, involving innovative ideas to fulfill societal needs.

MISSION

M1. To provide resourceful education through training and skill upgradation.

M2. To inspire the young dynamic minds towards innovation and research to meet the societal needs and responsibilities.

M3. To strengthen the industry-academia interface for better employability.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

PEO1. Graduates shall excel in their career through participation in multidisciplinary fields.

PEO2. Graduates shall develop cost effective innovative technologies and methodologies to solve engineering problems and contribute to sustainable development.

PEO3. Graduates shall have a successful career in academia, industries or as an entrepreneur to serve societal needs.

"If you will light a lamp for someone, it will also brighten your path"



Come Join Hands With us & Be a Part of AKHIL JYOT 2019
12th April 2019



Akhil Jyot 2019

"The purpose of human life is to serve and to show compassion and the will to help others".

In the Remembrance of our beloved chairman Sir Late Dr. Akhilesh Das Gupta ji and following their footsteps of humanity, Akhil Jyot was organized on 12th April 2019.



Under this Initiative, the faculty and staff members of Mechanical Engineering domain participated in various social cause like they visited old age homes, senior citizen's club and enlighten them with the same ideas as shared by our chairman Sir and conducted digital awareness camp out there.



The Annual Sports Meet of ADGITM was organized from 07 - 09 March 2019. The first day of our Annual Sports Fest marked its beginning with a Band. The event was inaugurated by Prof. (Dr.) Sanjay kumar (Director, ADGITM formerly Northern India Engineering College, New Delhi) and Sh. S. N. Garg (The CEO). Congratulations to all the Mechanical Engineering students who participated in various games and won medals.

Innoviz is a Techno-Cultural Fest of ADGITM. This year the event was Inaugurated and graced by the Honorable Chairperson of BBD Group Madam Ms. Alka Das Gupta and President of BBD Group Mr. Viraj Sagar Das.



Sports Fest 2019

INNOVIZ'19 was one of the best events ever conducted. The students of Mechanical Engineering domain participated in the events and shows their immense talent. Heartiest Congratulations to all the participants for such an amazing performances.

Innoviz 2019



STUDENT'S PARTICIPATION IN COLLEGE ACTIVITIES



INNOVIZ

3-D PRINTING

Workshop

The key role of this workshop on education front is to trained students for the latest technologies in the industry, to make them aware from the requirements in manufacturing sector in context of industrial scenarios and how they can prepare themselves during their learning phase for this relevant work in industries.



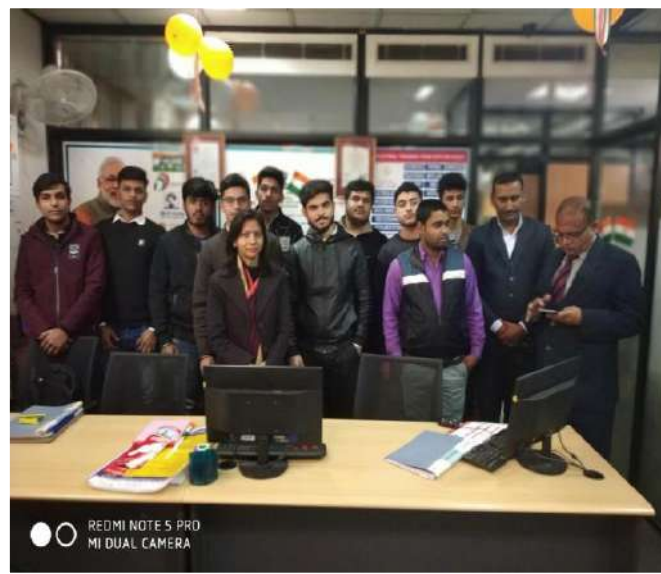
The visit to AKGEC SKILLS Foundation was entirely based on providing information about Industrial Developments on account of Automization and Robotics giving new thrust to standardization and quality control and To evolve a national framework for Industries according recognition to standards and integrating them with growth and development of production and exports.

This visit of SOFCON India Pvt. Ltd was entirely based on providing information about Harmonious development of machines standardization, marking and quality certification, ways adopted To provide new thrust to standardization and quality control and To evolve a national framework for Industries according recognition to standards and integrating them with growth and development of production and exports. The area of Interest was Industrial Mechanical Systems entirely framed in accordance to government guidelines under National Skill Development Corporation.



**AKGEC
SKILLS FOUNDATION**

The key role of this visit on education front is to make students aware about recent innovations in Industries on the grounds of Robotics, CNC Machines & Welding which gave the companies and Industries the standardization it needed for innovation, commercial growth, quality production and comprehensive efficiency.



Educational Visits

STUDENT'S PARTICIPATION IN DEPARTMENTAL ACTIVITIES



**SOFCON
INDIA**

Guest Lecture

REFRIGERATION
AIRCONDITIONING



Refrigeration & Air Conditioning, being one of the most important domain of Mechanical Engineering Study, demands a brief study of Air quality depending on changes in Environmental Conditions. Psychrometry, in the HVAC industry anyway, is the study of the properties of a mixture of water vapor and air. This was too important from the prospective of coming University Examinations.

And for clarity, water vapor is H₂O in the gas phase, called steam when it's hot, but called water vapor when it's at room temperature. So in order to make students capable of designing the HVAC systems other than just getting the Theoretical Knowledge, this session was scheduled.

Placements



ARJUN GARG
MOHD. ATIR INSAF
SHUBHAM THAKUR



SHUBHAM
KUSHAGRA PRASHAR
ASHISH KUMAR

Congratulations

The Training and Placement Division of ADGITM in coordination with Mechanical Department actively enhances verbal and non-verbal skills while training the students in business etiquettes, e-mailing, telephonic conversation, grooming, and table manners. Students are trained to handle work related pressures and social networking. They are being prepared on technical ability and aptitude. The Division conducts Group Discussion, Personal Interviews, Technical and Aptitude test on continuous basis to keep the students up to date.

In Every session students are given live exposure of current industry scenario by eminent dignitaries of different industries.

EVERY GREAT ACHIEVEMENT
was once considered impossible

STUDENT'S ACHIEVEMENTS