DR. K. N. MODI INSTITUTE OF ENGINEERING & TECHNOLOGY, MODINAGAR

EXTENSION ACTIVITIES (2023-24)

FACILITATION PROGRAM

Facilitation of more than 50 students of B. Tech. 1st year who secured more than 80% marks in AKTU examination.

YOGA DAY CELEBRATION

The 10th International Yoga Day was successfully organized by the students and teachers at Dr. K.N. Modi Institute of Engineering and Technology, Modinagar. International Yoga Day is observed every year on June 21 to raise awareness about this ancient practice and to celebrate the physical and spiritual prowess that yoga has brought to the world. Yoga is a practice which plays an important role in relaxing the mind and body and boosting people's immune system. 10th International Yoga Day was celebrated by the students and the faculty members of DR. KNMIET Modinagar on 21st June 2024 with great eagerness and enthusiasm. Director Dr. Shishir Rastogi also joined the International Yoga Day celebration.

FACULTY DEVELOPMENT PROGRAM

A Faculty development program on 'Presentation Skills in a Classroom was conducted from 13th June to 15th June by ICT Academy. The Department of Training & Placement organized a workshop on ‘Presentation Skills for Faculty.

The keynote speaker for the day was Ms Shavina Soans, a freelance soft skills trainer, and consultant. Ms Soans has worked as a trainer for iPoint, is a consultant at Lykora, Mangaluru and is a faculty member for Soft Skills at ICAI, Mangaluru.

GUEST LECTURE

A guest lecture was scheduled on 24.04.24 for students of computer science on Net and It's Present and Future. Lecture series was organized by the Department of Computer Science & Engineering department along with the Alumni Association of AVIT on 24/04/24 titled as "IT trends and upcoming technology". The session was handled by Mrs. Kavita Agarwal, she started the lecture series by addressing the impact created due to current scenario of Lay off and retrenchment and in some places, Layoffs are temporary and, in some places, its permanent, Unemployment because of the current situation many are unable find a job, Cost cutting due to decreased earnings and workplace flexibility. The lecture ended with an updation of the upcoming technology in Artificial Intelligence, Internet of things, big data, Cloud, RPA and Cyber Security and ways to accommodate with these new technologies.

(NEP 2020) NATIONAL EDUCATION POLICY 2020 AWARENESS PROGRAM

In the second session of the program, seminar: “Indianness in education – system change”, Dr. Atul Kothari gave detailed information to all the teachers about the nuances of the National Education Policy 2020 and its implementation. The teachers also put their questions in front of the chief guest. which he answered very easily. In the end, all the guests were honored with a memento. Foundation's Executive Director Dr. Deepankar Sharma thanked everyone and the program ended with the national anthem. On this occasion, Principals, Directors, Principals, teachers, students, media friends and other dignitaries of Modinagar of all the institutions of the Foundation were present.

AWARENESS WORKSHOP BY NCRTC RAPID RAIL DELHI-MEERUT

An awareness workshop was conducted by NCRTC on 11th of March 2024. Mr. Rajiv (Manager-public relations), Mr. Abhinav (AM-Transport Planning) shared valuable information with students and faculty members.

WOMENS DAY CELEBRATION PROGRAME

This report covers the celebration of International Women's Day. The celebration included competitions, activities, and a special talk. The highlight was when all the lady faculty members wore the same set of sarees to symbolize unity and solidarity.

INAURAGUTATION CERAMONY NAMO BHARAT REGIONAL RAPID TRAIN

Dr. K.N. Modi Institute of Engineering and Technology celebrated the inauguration of Namo Bharat Train by Regional Rapid Transit System on 6th of March. Today marks a historic moment for the entire country. India's first rapid rail service, the Namo Bharat Train, has been dedicated to the nation. Nearly four years ago, I laid the foundation for the Delhi-Ghaziabad-Meerut Regional Corridor project. Today, the Namo Bharat service is operational from Sahibabad to Duhai Depot.

SPORTS FEST

Important highlights of the two-day sports fest 'Spardha' 2K23-24 under the aegis of Dr. K.N. Modi Foundation, Modinagar.

CELEBRATED 75TH REPUBLIC DAY

Republic day is celebrated every year on 26th January to commemorate the date and moment when the constitution of INDIA came into effect. With the same cause it is celebrated as the national festival in our institute. The 75th Republic Day was celebrated in all its solemnity and grandeur at our Institution on 26th January 2024. Students, Staff and Faculty members filled with a feeling of patriotism and dedication gathered in front of the circular building. The Honorable Director Dr. Shisir Rastogi, Dr; Deepankar Sharma (ED), have attended the program. Director garlanded the Bharat Mata and Father of Nation then prayer song (Vande Matram) followed by unfurl the Indian National flag by our director. This was followed by our National Anthem 'Jan Gan Man' sung by all. The parade took place at the assembly ground. The parade was presided over by Director. Our Dynamic Director sir addressed the gathering and gave an insight on the various accomplishments achieved by college and motivated the crowd for bringing more laurels for the college through their accomplishments.

NATIONAL VOTER DAY AWARENESS PROGRAME

The Students Welfare, of Dr. KNMIET has celebrated National Voters Day on Dt.25/01/2023 at DR. KNMIET Ground. Theme kept was ‘Nothing like Voting, I Vote for Sure’. In our college a lecture talk by Director Dr.Deepankar Sharma, Dr.KNMIET, delivered lecture on importance of Voting and awareness about Voters Day. According to him main objective of celebration of this day is to create awareness amongst staff and students to vote compulsorily to proper public servants. Also to encourage the youth to participate in the vote in the electoral process. It not only encourages the youth to participate in the electoral process but also focuses on the fact that the right to vote is a basic right. Know about the National Voters Day history, significance, quotes, theme, and why is it celebrated in India. Also, he underlined the role of the Election Commission of India. Near about 70 students and 18 staffs were attended this program. Street play and oath taking ceremony was organized by B.Tech students on the occasion of voter awareness day.

ROAD SAFTEY AWARENESS PROGRAME

Dr. K.N. Modi Institute of Engineering and Technology, Modinagar had a total of 150 participants including professors and students in the human chain and road safety oath program organized on 23 January 2024 on the occasion of Netaji Subhash Chandra Bose Jayanti.

SHRI RAM MANDIR PRAN PRATHISTHA

Shri Ram grand procession, havan and puja was celebrated with great enthusiasm. More than 1500 students and teachers participated in the program.

SEMINAR ON CLOUDE COMPUTING WITH DATA SCIENCE

Seminar conducting on cloud computing with data science on 15.12.2023. Key note speaker was Mr Subhajit Bhattacharya from Accenture.

INDUSTRIAL VISIT IN CLOUD ANALOGY CRM SPECIALIST LIMITED, NOIDA

On 13.12.2023, our students of CSE branch went for an industrial visit in Cloud Analogy CRM Specialist Limited, Noida. It is a very good and knowledgeable experience for our students. Our group met there Mr Vineet Verma (Director), Mr Ahmad khan, Vivek Sharma and their technical trainers' team. They give us a good tour of their company with information about how they are gold member of salesforce company and they work with Salesforce. They also provide training with learnox. They explain about CRM Technology. They answer all queries of students.

SVEEP AWARENESS PROGRAM 2023

A voter awareness campaign was organized today at Dr. K N Modi Institute of Engineering and Technology, Modinagar. The chief guests of the program were Mr. Ran Vijay Singh, ADM (E), Ghaziabad and Mr. Santosh Kumar Rai, SDM, Modinagar. They told the students in detail about the Election Commission of India's Sweep-2024 program. The students were explained the method of adding and changing names in the voter list through PPT. He motivated the students to show full participation in the voting process 2024. About 300 students participated enthusiastically in the program. The Executive Director of the Institute, Dr. Deepankar Sharma thanked both the guests and other people present. In the end, the Vice President of the Institute, Captain Rajiv Saxena greeted both the guests by raising a shawl. The guests also appreciated the advanced work going on in the institute and also answered the questions of the students. He thanked the institute for playing a leading role in this event.

DELHI DARSHAN VISIT 2023-24

A technical study tour, visits to construction projects and R & D institutions at New Delhi has been organized from 11/10/23 for the first-year students of civil, computer science, mechanical engineering and electrical engineering. The said technical tour is organized after having continuous guidance from Dr. Shishar Rastogi, Director. Total 180 students from third and final year engineering discipline are benefited under care and guidance of faculty members, peon has helped to execute the tour while the said period.

AWARENESS PROGRAME “ASHIRVACHNAM” 2023-24

Date: 05/10/2023
Venue: Dr.K.N.Modi Global Auditiourm
Time: 3pm to 5 pm
Guest Name: Prof.Dr.R.K Khandal
Faculty in charge: Dr.Deepankar Sharma
Participants: All Students.

Orientation program of batch 2023-24 was organized on 05.10.2023. Former VC, AKTU, Prof Dr R K Khandal was the Chief guest of the event. Students were also blessed with the gracious presence of Prof Dr D K Modi ji, Chairman, Dr K N Modi Foundation

A WORKSHOP ON "FINANCIAL EMPOWERMENT THROUGH WEALTH CREATION"

Date: 20/09/2023
Venue: Dr.K.N.Modi Auditiourm
Time: 2 pm to 4 pm
Guest Name: Mr Suriya Kant Sharma
Faculty in charge: Miss Payal Sharma
Participants: All Students.
A wealth-creating asset is a possession that generally increases in value or provides a return, such as: • A savings account. • A retirement plan. • Stocks and bonds. • A house.

PRESENTATION ON ROBOTIC ARM

Date: 14/09/2023
Venue: Dr.K.N.Modi Auditiourm
Time: 11 am to 01 pm
Faculty in charge: Mr.Rahul
Participants: Engineering Students

A team of B.Tech. 2nd year students prepared the robotic arm and given its presentation to Faculty members.

The purpose of this paper is making a model to relate desired performances to required components, their composition and their cost so it will become possible to design and produce high quality robotic arms at the right cost. To make this relation, it is vital to first understand the concepts of the performances speed, power, accuracy and precision. Speed in the case of electric motors is often rotational speed. Torque is used as a measure of how strong a motor is, defined by how much force it can deliver over an arm. Accuracy is how close the average of multiple shots are to the center of a target, and precision is how close these shots are grouped together. The main components of a robotic arm are the motors, bearings and frame, together with other supporting components they make up the arm. The selection of these components is all based on the performance required by the user. The electro motors typically used in household to professional arms are servos and stepper motors, both with different operating mechanics and electronics. Servos typically deliver more torque, can run at higher speeds, have internal position feedback, can have an external feedback loop and are generally more expensive. Stepper motors work at low speeds, can be fitted with a gearbox to increase torque, do not have a internal position feedback and are generally cheaper than servos. This paper will present a formula to calculate the required torque of a motor, and to calculate the resulting resolution of the motor.

GUEST LECTURER

Date: 14/09/2023

Venue: Dr.K.N.Modi Auditiourm

Time: 2 pm to 4 pm

Guest Name with details: Shri. Ajay Kumar Mishra, IPS; Commissioner of Police, Ghaziabad.

Faculty in charge: Dr.Deepankar Sharma, Dr.Brijesh Kumar

Participants: All girls students and lady faculties of Faculty of Engineering

"Ashirvachnam" held on 14.09.2023. The chief guest of the event was Shri. Ajay Kumar Mishra, IPS; Commissioner of Police, Ghaziabad.

ROAD SAFETY AWARENESS PROGRAM

Date of Program: 31/07/23

Program coordinator: Mr.Navneet Sharma

Speech and quiz competition on the topic "Road Safety - Survival" conducted by And Technology, Modinagar, Ghaziabad under the "Road Safety Campaign" conducted by Uttar Pradesh government and all the members and students took oath.

PLANTATION PROGRAM

Date of Program: 01/07/2023

Program coordinator: Dr.Brajesh Kumar

About 600 plants were planted by students and teachers studying in all the upcoming educational institutions under Dr. K.N. Modi Foundation under the Uttar Pradesh Government, Lucknow. Among these, Sangwan, Malabar, Jamun, Jackfruit, Guava, Kachanar, Karounde, Pomegranate, Apple and Berry plant were planted mainly. In the program, the director of institution explained the importance of plantation to students and also encouraged to encourage their friends and parents etc for plantation. Each student should pledge at least five plantation every year and also protect the plants planted throughout the year. Director, principal, senior teachers, media in-charge Mr. Tarun Kumar etc were present in the program.

IPR AWARENESS PROGRAM

Date of Program: 01/07/23

Program coordinator: Dr.Uraj Jaleel

- An IPR awareness program was conducted today under NIPAM.
- IPR awareness reports may include information about:
  The purpose of the program
  What intellectual property rights are and what types of intellectual property exist
  The process of patenting
  Patent regulatory bodies
  Examples of patents
  Databases for searching patent-related information