ATHARVA EDUCATIONAL TRUST'S
ATHARVA COLLEGE OF ENGINEERING
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A Report on

Project Exhibition 'Avinya 2k24'

Theme-Engineering Physics/ Engineering Mechanics/Graphics/Chemistry/Mathematics

The aim of this Project Exhibition is to showcase the talents and innovative ideas of the students by encouraging them towards innovation and ideation in the future.

In this regard, the Department of Humanities and Applied Sciences has organized "Avinya 2k24" Project Exhibition in the following five categories - Analytics, Sensify (Physics), Green Tech Chemistry (Chemistry), Mechtechmavrick (Mechanics) and Mathemagica (Mathematics) on 9 February 2024 from 11:00 am to 5:00 p.m.

The judges for the event were – Dr.Shrihari Parashram Sanap, Assistant Professor –Institute of Forensic Science, Mumbai, Deepali Maste -Assistant Professor – Department of Information Technology and Garima Gurjar -Assistant Professor – Department of Electrical Engineering. In all, 57 groups participated in the exhibition, enthusiastically explaining the concepts and working of their exhibits.

Analytics

The Computer Programming projects were Collage probing, Data Analytics, ISAS, Multipurpose IOT tracker. These projects opened various avenues for the future ideas for the better innovative projects in the Computer and IT field.

Sensify (Physics)

The Physics projects were also based on an extensive variety of concepts learnt throughout the curriculum that ranged from a Smart blind stick which is designed for the visually disabled that detects objects using ultrasonic sensors, to the use of microcontrollers as a sensor that detects movement of tyres and switches the lights on in a condition of darkness, as well as a hydraulic break system. Some of the other projects were laser security alarm, ultrasonic obstacle detector.

Green Tech Chemistry (Chemistry)

In Chemistry projects were based on concepts about sustainable development such as Bioplastic which highlighted the issue of saving water bodies with a help of tech , Solar Windmill which can meet the need of electricity by reducing production costs , Environment friendly car washing center and Water Purification were presented with the goal using chemistry and technology to reach the top of the pollution-prevention hierarchy .Being an Inter college project exhibition one group of Pravin Patil College of engineering also participated in this theme of Chemistry project.

Mechtechmavrick (Mechanics)

The Mechanics projects showcased various energy sources, including hydraulic systems, pneumatics, solar energy, wind energy, trust energy, robotics, and electromagnetism .Hydraulic projects delved into the principles of fluid mechanics, while pneumatics projects focused on utilizing compressed air or gas for mechanical control. Solar energy projects highlighted methods of harnessing sunlight for power generation, and wind energy projects emphasized capturing wind kinetic energy through turbines. Trust energy projects likely investigated propulsion systems, while robotics projects have showcased automation and control technologies. Additionally, electromagnetism projects could have explored applications in motors, generators, or electromagnetic systems.

Mathemagica (Mathematics)

The Maths projects based on learning by fun named 'Probability in Game' and In this theme three external projects Participated 'Lissajous Patterns', 'Fibonacci sequence', and Fourier Series. The projects were innovative as well as it created interest and curiosity among the participants as well as the visitors.

The judges went around assessing and posing questions based on the models and projects. This was an enlightening experience for the students who were not only pushed to learn new concepts and strengthen their grasp on the curriculum, but were also exposed to many more interesting ideas at the exhibition.

The judges and the coordinators Dr.Abhilasha Saini and Dr.Bharat Waghode , addressed the students and encouraged them to continue working on their project ideas and improving them. Principal – Dr. Ramesh Kulkarni applauded the efforts put up by the students in the form of the projects they had displayed and asserted their enthusiasm in extending their knowledge towards the subjects of Physics and Chemistry. Head of Department – Department of Humanities & Applied Sciences – Dr. Ritu Sharma stressed on the importance of applying book knowledge to practical use and to play an important role in improving lives through engineering. The participants were congratulated for their participation.

Award	Class	College Name	Topic Name	Name of Students
First	EXTC	Atharva College of Engineering	Smart Stick with Multiple Sensors	1) Payal J. Mahind 2) Khushi A. Mishra 3) Shrutika Gholap 4) Siddhi Gunjal
Second	EXTC	Atharva College of Engineering	Water Surface Cleaning Boat(NAAAVV)	1)Nikhil Borhade 2)Aayush Dicholkar 3)Aryan Barua 4)Avdhesh Dhakhiya 5)Vansh Jain 6) Vivek Desai
Third	EXTC	Atharva College of Engineering	EcoSense People Counter Analytics Collage	1)Kanak Salvi 2)Sujanya Sapaliga 3)Jishnu Udyavali 4) Siddhant Prajapati 1)Mohammed Arsalan khan 2) Shivom Ghodi 3) Fardin khon 4) Shubham ohol 5) Mayur chaudhari 6) Deépak Athwale.


GPS Map Camera
Mumbai,MH,India
Atharva Back Road, Malad West, Mumbai,
400095, MH, India
Lat 19.197785, Long 72.827125
02/09/2024 11:25 AM GMT+05:30
Note : Captured by GPS Map Camera


GPS Map
Mumbai,MH,India
Atharva Back Road, Malad West, Mumbai,
400095, MH, India
Lat 19.197689, Long 72.827215
02/09/2024 12:30 PM GMT+05:30
Note : Captured by GPS Map Camera

Prof. Bharat Waghode

Dr.Abhilasha Saini (CO-ordinator)

Dr.Ritu Sharma (HOD)

Dr.Ramesh Kulkarni Principal