



RAAK
COLLEGE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)
An ISO 9001:2015 Certified Institution

3.2.1 Institution has created an ecosystem for innovations has initiatives for creation and transfer of knowledge (patents field, published, incubation center facilities in the HEI to be considered)



CERTIFICATE

Institution's Innovation Council (IIC) established at

RAAK COLLEGE OF ENGINEERING AND TECHNOLOGY, Pondicherry

had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2021-22.

Dr. Abhay Jere
Chief Innovation Officer
MOE, Innovation Cell

Mr. Dipan Sahu
Assistant Innovation Director
MOE, Innovation Cell

Certificate No : 6527

Issued On : 2022-11-17

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Ministry of
Education
Government of India



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education, India)



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Prof. TG Sitharam
Chairman
Aicte

Dr. Abhay Jere
Chief Innovation Officer
MOE, Innovation Cell

Mr. Dipan Sahu
Assistant Innovation Director
MOE, Innovation Cell

Certificate No : 6527

Issued On : 2023-11-16

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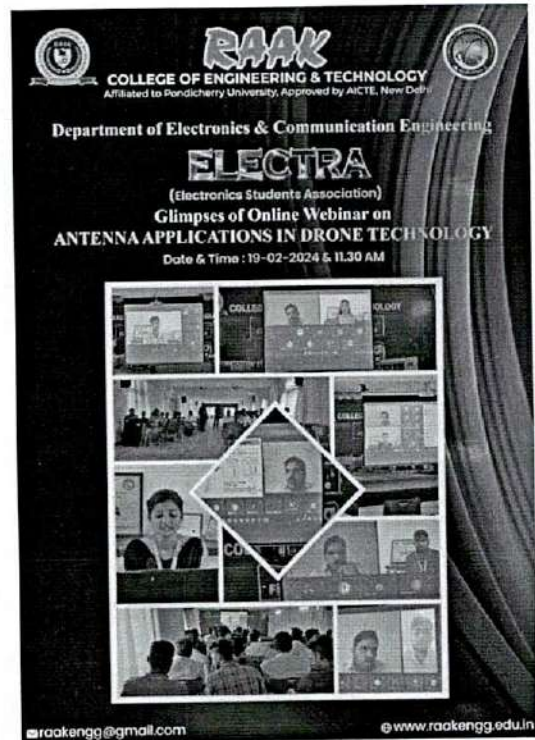
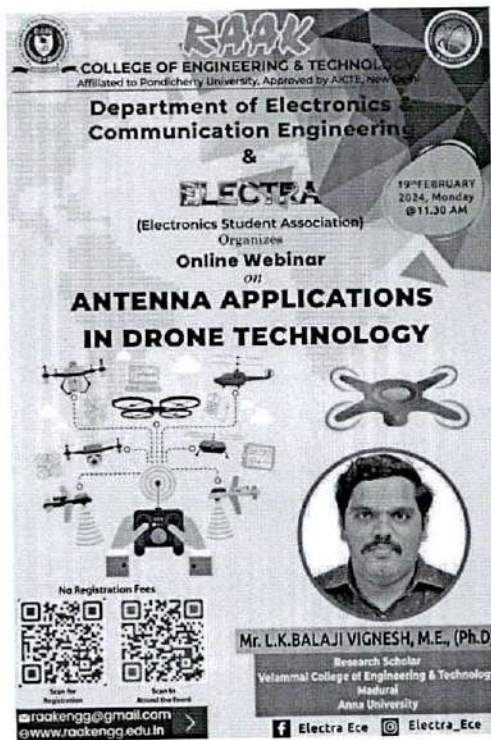
About the Event

Name of the event : Online webinar on Antenna Applications In Drone Technology

Date of the event : 19.02.2024

No.of participants : 120

The Department of Electronics & Communication Engineering organized a Free Online webinar on "ANTENNA APPLICATIONS IN DRONE TECHNOLOGY" on 19th February 2024. Mr. L.K. BALAJI, Research Scholar from Vellamal College of Engineering & Technology, Anna University, served as the resource person and delivered an insightful lecture on the Applications of an Antenna in Drone Technology. More than 150 participants registered, and 120 of them participated and benefited from the webinar.



Online webinar on Antenna Applications In Drone Technology


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The key insights of the webinar:

- Understanding the importance of patch antenna.
- Steps involved in designing the antenna.
- Implementation of antenna in Drone Technology.
- GPS and Navigation.
- Antenna Tracking Systems.
- Scopes of GNSS antenna and Smart wave Antenna.
- Signal Intelligence and Surveillance.

A handwritten signature in blue ink, appearing to read 'S. Seenuvasamurthi'.

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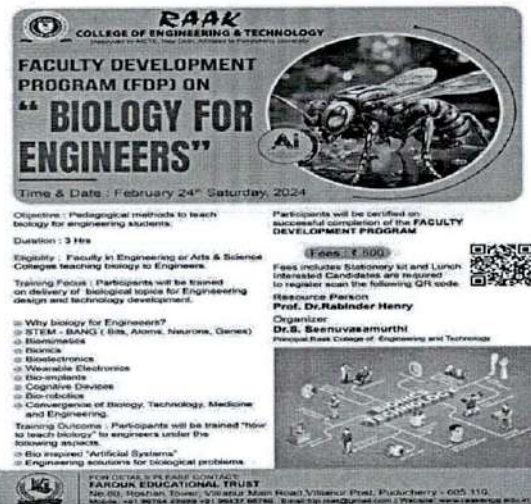
About the Event

Name of the event : Faculty Development Program on "BIOLOGY FOR ENGINEERS"

Date of the event : 24.02.2024

No. of participants : 120

The RAAK College of Engineering and Technology organized a Faculty Development Program on "BIOLOGY FOR ENGINEERS" on February 24th, 2024. Dr. Rabinder Henry, Director of Farouk Educational Trust, served as the resource person and delivered an insightful lecture on Biology for Engineers.



Poster for Biology for Engineers

The key insights of the FDP are as follows:

- Importance of Biomimetics
- Scopes of Bioelectronics
- Various types of cognitive devices
- Bio Robotics
- Bio Implants
- Convergence of Biology, technology, medicine, and engineering

The FDP was highly knowledgeable and informative. This helped our participants enhance their knowledge in the field of Biology for Engineers.

(Signature)
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The outcomes of the FDP include training participants in "How to teach Biology" to engineers under the following aspects:

Bio-inspired "Artificial Systems"

Engineering solutions for Biological problems and many more

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About the Event

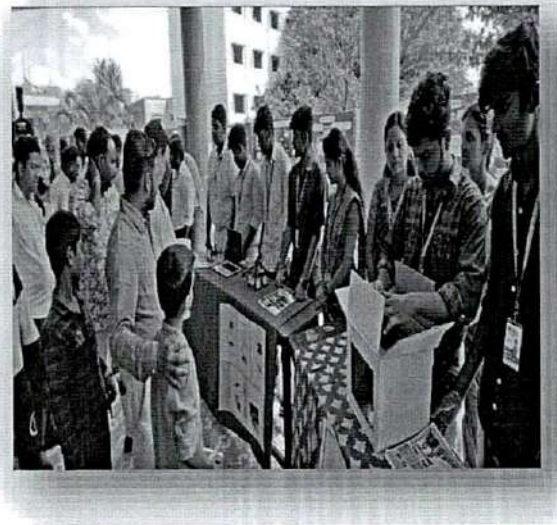
Name of the event : FAIR & FETE 2024

Date of the event : 18.02.2024

No.of participants : 150

We were privileged to present our students' innovative projects at the esteemed "FAIR & FETE 2024" event organized by RAAK International Higher Secondary School on Sunday, February 18, 2024. The event provided an excellent platform for showcasing our students' talents and contributions to the community.

Here's a brief overview of the projects featured at FAIR & FETE 2024, along with key points highlighting their significance and impact:



Photos of FAIR & FETE 2024

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About the Event

Name of the event : CAREER THROUGH COMPETITIVE EXAMS

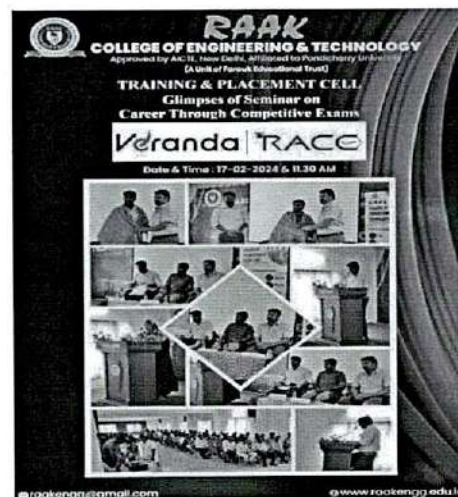
Date of the event : 17.02.2024

No. of participants : 150

The RAAKCET Training and Placement Cell organized a Seminar on "CAREER THROUGH COMPETITIVE EXAMS" on 17th February 2024. Mr. D. MANIKANDHAN, SME from Veranda Race, Puducherry, India, served as the resource person and delivered an insightful lecture on the significance of Competitive Exams.

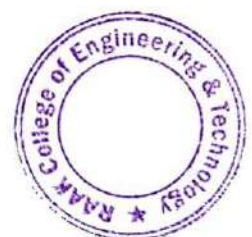
Students from various departments actively participated and gained valuable insights into the importance of Competitive Exams. The session provided them with a comprehensive understanding and awareness of the Competitive Exams landscape.

Overall, the seminar was highly beneficial in equipping students with the necessary knowledge and motivation to excel in competitive exams and pursue successful career paths.



Glimpse Photos of Career Through Competitive Exams

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About the Event

Name of the event : Campus Tour

Date of the event : 15.02.2024

No.of participants : 160

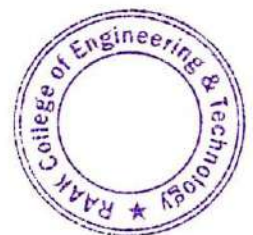
A campus tour presents a fantastic opportunity for prospective students, their families, and individuals interested in a specific college to explore the campus, discover its facilities, and learn about the programs offered by the institution. An effective campus tour should offer an authentic and comprehensive experience that highlights the unique aspects and strengths of the institution.

Under the direction and initiative of Our honorable Chairman Sir, we recently had the privilege to showcase the infrastructural and academic excellence of RAAK College of Engineering & Technology to 10th, 11th, and 12th standard students from RAAK International Higher Secondary School during a Campus Tour. On the occasion, 80 students accompanied by 4 faculty members from RAAK International Hr. Sec. School, visited our campus on 15th February 2024.

During the tour, the students had the opportunity to explore various labs and facilities, including:

1. **IDEA Lab:** Our IDEA (Innovation, Design, and Engineering Application) Lab is equipped with state-of-the-art tools and resources to foster creativity and innovation among students, in alignment with the New Curriculum and NEP 2020.
2. **Physics Lab:** Our Physics Lab provides hands-on experiments and demonstrations to help students understand fundamental concepts in physics through practical applications.
3. **Chemistry Lab:** The Chemistry Lab offers a safe and well-equipped environment for students to conduct experiments, analyze chemical reactions, and explore various chemical phenomena.
4. **Electrical Machines Lab:** In the Electrical Machines Lab, students have access to a range of equipment to study and experiment with electrical machines, transformers, and generators, enhancing their understanding of electrical engineering principles.
5. **Computer Lab I & II:** Our Computer Labs are equipped with the latest hardware and software, providing students with practical experience in programming, software development, and computer-aided design.


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6.BEEE Lab (Basic Electrical and Electronics Engineering Lab): The BEEE Lab allows students to apply theoretical concepts learned in the classroom to practical scenarios, with experiments covering basic electrical and electronic circuits.

7.Power Electronics Lab: In the Power Electronics Lab, students explore the principles and applications of power electronic devices and circuits, gaining hands-on experience in designing and testing power electronic systems.

8.Smart Classrooms: Our Smart Classrooms are equipped with interactive whiteboards, audio-visual aids, and multimedia resources to facilitate dynamic and engaging learning experiences for students.

9.Library: Our Library houses a vast collection of books, journals, and electronic resources, providing students with access to a wealth of information and supporting their academic and research endeavors.

10.Digital Circuits Lab: In the Digital Circuits Lab, students learn about digital logic design, computer architecture, and digital system implementation through hands-on experiments and projects.

11.Electronic Devices and Circuits Lab: The Electronic Devices and Circuits Lab offer practical training in the characterization, modeling, and analysis of electronic devices and circuits, essential for students pursuing careers in electronics engineering.

12.Communication Lab: In the Communication Lab, students explore various aspects of analog and digital communication systems, including modulation techniques, signal processing, and wireless communication technologies.

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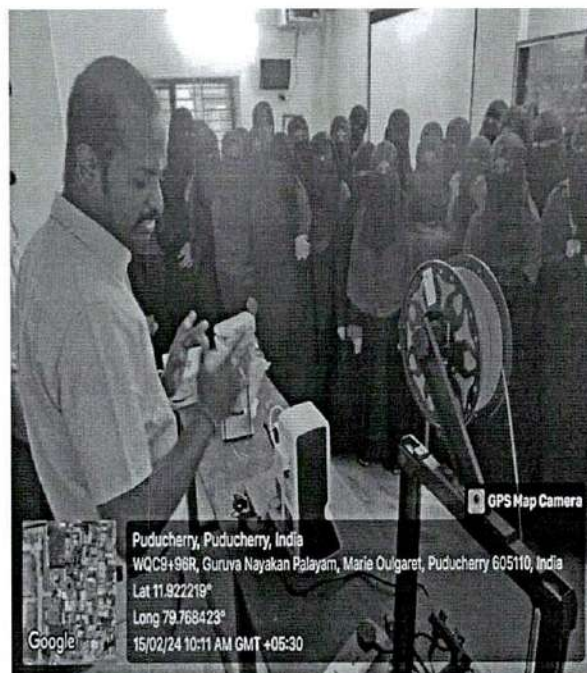
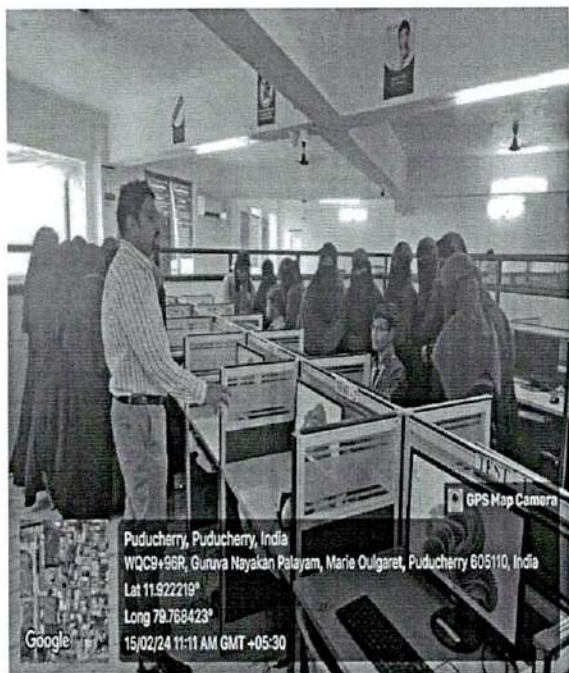




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Glimpse photos of campus tour

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About the Event

Name of the event : Hands-On Workshop on Services & Maintenance of Electrical Home Appliances

Date of the event : 03.02.2024

No. of participants : 30

The Department of Electrical & Electronics Engineering organized a "Hands-On Workshop on Services & Maintenance of Electrical Home Appliances" on 03.02.2024. The event featured distinguished guests including Prof. Dr. Rabinder Henry, Director of RAAK Group of Institutions, who provided valuable insights into the field of Electrical Engineering. Dr. S. Seenuvasamurthi, Principal of Raak College of Engineering & Technology, emphasized the importance of practical knowledge and its real-world application. The program was expertly coordinated by Mr. B. Murugan, Head of the Department of EEE, along with his team members.

In this workshop, more than 30 students participated eagerly. The workshop provided them with practical exposure to safety measures, fault identification, fault analysis, and rectification, as well as maintenance. All the students had the opportunity to repair electrical items that were not functioning. Additionally, the workshop provided the following takeaways:

1. Introduction to Electrical Home Appliances
Overview of common appliances
Importance of regular maintenance
2. Safety Measures Electrical safety guidelines Proper handling of appliances
3. Understanding Basic Components Breakdown of key components in appliances
Importance of each component for functionality
4. Troubleshooting Techniques Identifying common issues
Step-by-step problem-solving approach

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5. Hands-On Repair Sessions

Practical demonstrations on appliance disassembly

Repair techniques for common problems

6. Preventive Maintenance Tips for extending appliance lifespan
Regular checks and cleaning routines

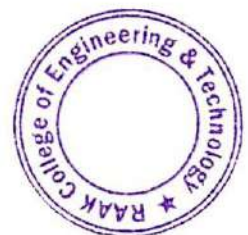
7. Upgrading and Modernizing Appliances
Introduction to smart home integration
Enhancing efficiency through technology

8. Proper disposal of old appliances
Promoting sustainability in appliance use

9. Q&A Session
Open forum for participants to ask questions
Discussion on real-world scenarios and solutions



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Glimpse photos of Hands-On Workshop on Services & Maintenance of Electrical Home Appliances

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