

SPEKTREM

The Newsletter of Department of Electronics and Communication Engineering

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HoD'S DESK



Prof. Renjitha G Nair
HoD ECE

I am extremely happy to note that our Department is launching newsletter SPEKTREM.

As we move further into this academic year, it's important to pause and acknowledge the collective achievements and hard work of our department. This year has been marked by significant growth, overcoming challenges, and celebrating numerous successes. Our students continue to shine in their academic endeavors, and our faculty members remain steadfast in fostering a dynamic and supportive learning environment.

Let's keep the momentum going, staying driven and focused on our shared goals. By collaborating and supporting one another, we can surpass even our highest expectations this academic year. Together, we have the potential to accomplish great things, and I'm excited to see what we can achieve. Thank you for your dedication and hard work, let's make this semester one to remember.

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Association Activities (SPECTRA)

- A Tech talk was presented by **A.S. Abhijith (S7 ECE)** on 08.08.24 on the Topic, “**How Electronics changed the world**”. The session covered an Eye-opening PPT covered how Electronics have fundamentally changed the world by revolutionizing communication, information access, global connectivity, healthcare, business practices, and entertainment, allowing for instantaneous communication across vast distances, enabling the rapid exchange of knowledge, and facilitating new technologies that have significantly improved quality of life in various sectors.



- **Quiz Competition: ‘Moving Cosmos’ On 30.08.2024**

Topic: **Intergalactic Space Quiz competition**

The Association hosted an Inter department Quiz competition on 30.08.2024 in association with National Space Day celebrations. The event was a huge success with about 17 teams competing from various branches of the college.



- ❖ Sameen Sardar and Varun (S5 CSE) won the First place.
- ❖ Midhun Nair and Gokul (S5 CSE) won the Second place.
- ❖ Bharath and Vijay Nair (S3 ER) and A S Abhijith and Parvathy (S7ECE) shared the Third place.



- **Poster Making Competition:** (online Event)

The SPECTRA & ISTE SC presented DIGITAL POSTER MAKING COMPETITION !

Theme : **National Space Day**

On this National Space Day, the event showcased students surprising editing and creative skills through Poster Making. The students created Interesting Digital Posters and marked their place in digital domain. The winner of the event was Mr, Anurej Jacob (S1 MBA).



FDP/Workshops attended/Conferences attended

1. Prof. N Muhsina attended ATAL FDP on "Inculcating Universal Human Values on Technical Education", from 17-21st June 2024.
2. Prof. N Muhsina attended 2nd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS) at held at 23-25 October 2024, Erode, India and presented a paper entitled "Objective and Subjective Analysis of Audio Source Separation using GAN"
3. Prof. Jayapradha T.U. and Prof. Deepa D attended 6-day online FDP on Artificial Intelligence in Electric Vehicles, organized by EEE dept., College of Engineering Perumon, from 2nd -7th December 2024.
4. Prof. Nisha P.V. attended 5-day online FDP on "Problem solving and advancement in python programming, organized by Sree Narayana Institute of Technology, Adoor. Kerala, from 2nd -6th December 2024.

Faculty Achievements/Publications

1. Prof. Nisha P.V. is appointed as Dean, Student Affairs, of Mohandas College of Engineering and Technology.
2. Prof. Anila. V.S, (September 2024) "Low-Light Image Enhancement Using Retinex based an Extended ResNet Model", International Journal of Multimedia Tools and Applications. <https://doi.org/10.1007/s11042-024-20285-w> (SCIE indexed).
3. Prof. N Muhsina published an article entitled "Objective and Subjective Analysis of Audio Source Separation using GAN" at IEEE Explore Digital Library at October 2024.
4. Prof. N Muhsina published an article entitled "DeSGOA: double exponential smoothing gazelle optimization algorithm-based deep learning model for blind source separation" at [Knowledge-Based Systems](#), Elsevier, **Volume 305**, 3 December 2024, 112626 (SCI indexed).

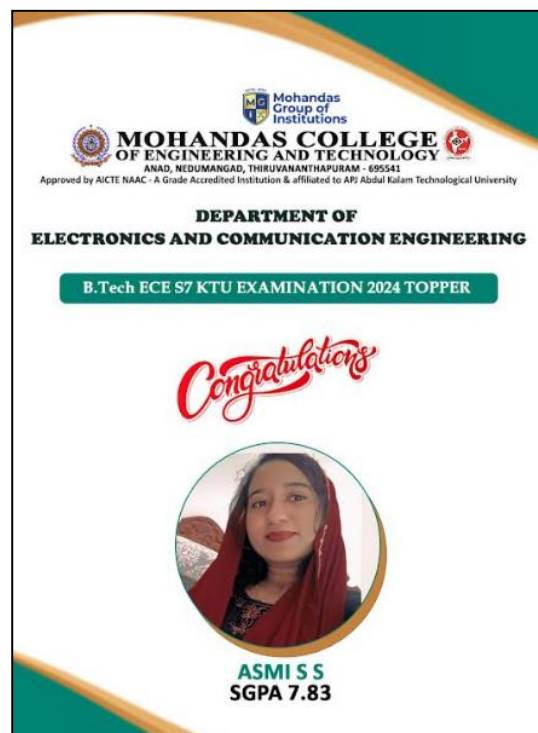
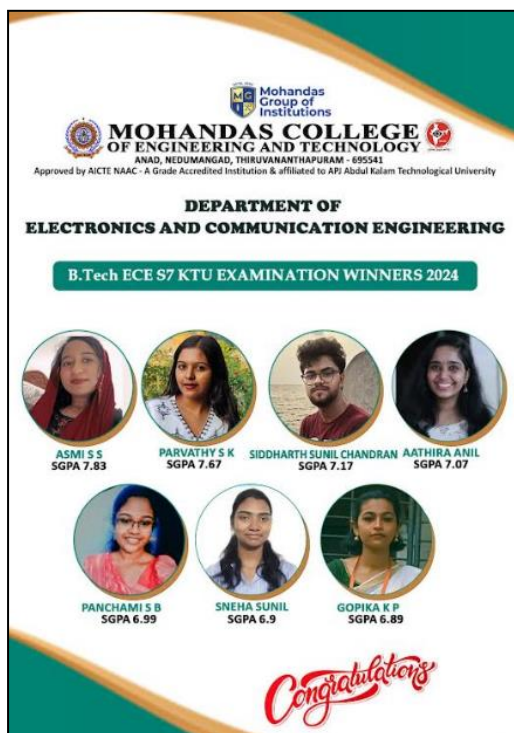
INDUSTRIAL VISIT

The Department of ECE organized a one day Industrial visit to ALL INDIA RADIO, Thiruvananthapuram. 75 students and 10 faculty members of the department visited. We have seen digital transmission and receiving machines and their operations. We understand the basic contents that lie behind them and how they work.



Student activities/achievements

Various students attended online workshop and gained certificated for the same. The results of this semester are attached below.



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

S3 ELECTRONICS & COMPUTER ENGINEERING TOPPER

Congratulations




AFIN S SAIJU
SGPA 7.91

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

S3 ELECTRONICS & COMPUTER ENGINEERING WINNERS


Congratulations




AFIN S SAIJU
SGPA 7.91




NAVYA ELIZABETH GEORGE
SGPA 7.27




ASWINI S




BHARATH R




ASISH K J




S MOHAMMED NIYAS




ARYA S I




SABARI NADI J V



LALITASHREE M MODI



VIJAY NAIR




SNEHA S S


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


B.Tech ECE S3 KTU EXAMINATION 2024




FARSANA N. S.
SGPA 9.68




ADITHYA DINESH
SGPA 8.59




MOHAMMED AFSIN N
SGPA 8.18




ANAKHA A. L
SGPA 7.45




S. DEVIKA LAL
SGPA 7.09



ABHIJITH R. B.
SGPA 7



N. HARINANDAN
SGPA 6.55




ANGEL S
SGPA 6.45

Congratulations

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

B.TECH S3 EC TOPPER & COLLEGE TOPPER



FARSANA N. S.
SGPA 9.68

Congratulations


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
B.Tech S5 KTU EXAMINATION 2024

Congratulations

 ARATHY G SGPA 8.74	 PADMA PRIYA SGPA 8.52	 KSHETRA KRISHNA SGPA 8.33	 GOWRI SITARA SGPA 9.52	 ARUN SHANKAR SGPA 8.13	 DEVIKA M SGPA 8.07	 GANGA P B SGPA 7.76
 SIDHANTH V P SGPA 7.61	 S P SURAJ SGPA 7.5	 ANAND B SGPA 7.47	 NANDAKISHOR P S SGPA 6.96	 AMAN M K SGPA 6.96	 KESAV SANKARAN SGPA 6.61	 ABHIRAJ V A SGPA 6.59

----Thank you----

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