

## REPORT ON COLLEGE ACTIVITIES – DECEMBER 2024

### December 2, 2024

- ECE Students presented the research article at an International Conference.**

Final Year ECE Student, Aishwarya N, has presented her research work titled “Literature Survey on Designing and Application of Unmanned Aerial Vehicles for Surveillance Systems” at the International Conference on Innovations in Data Science 2024 (ICIDS - 2024), Organized by Manipal University, Jaipur. The Proceedings are published in Springer LNNS book series “Lecture Notes in Networks and Systems” (LNNS) series, which is indexed by SCOPUS, EI Compendex, INSPEC, WTI Frankfurt eG, zbMATH, and SClmago.

<https://www.springer.com/series/15179>

Guides: Dr. Vivek Singh & Dr. Ajay Kumar Dwivedi

- ECE Faculty published a research article in SCIE and Scopus indexed Journal.**

The research work of Dr. ROHITH S, Associate Professor, ECE Dept. “Dysfluent Speech Classification Using Variational Mode Decomposition and Complete Ensemble Empirical Mode Decomposition Techniques With NGCU-Based RNN” has been published in an IEEE ACCESS SCIE & Scopus indexed Journal

Link: <https://ieeexplore.ieee.org/document/10757409>

Impact Factor: 3.473, Quartile: Q1, H Index: 242

- ECE Faculty presented a conference paper in IEEE Conference.**

Mr. Sreenivasulu K N, Assistant Professor, Department of Electronics and Communication Engineering, NCET, presented a conference paper titled “Intravenous Saline Monitoring System Powered by IoT for Patient Safety” in ICRASET 2024 in association with IEEE Bangalore section at B.G.S. Institute of Technology, B.G. Nagara, Mandya.



### December 3, 2024

- ISE Department organized an Expert Talk/Webinar.**

Department of ISE in association with IQAC, IIC and NCET IEEE Student Branch has organized Webinar on DevOps Lifecycle and Scalable Application Development by Mr. Raghu Gattapur, Senior Software Development Tech Lead, XE, Bracknell, England, UK on 02-12-2024 Coordinated

by Mrs. Swetha L and Dr. Ajay Kumar Dwivedi (IEEE Branch Counsellor).



- Students of MBA, ISE and ECE students visited Agri Startup Conclave at GKVK, Bengaluru.**

Students of MBA, ISE & ECE along with Prof Nagbhushan and Dr. Ramesh Kagalkar visited Agri Startup Conclave 2024 at GKVK, Hebbal.



### December 4, 2024

- Dr. Navya Rani, Associate Dean(R&D) has published a research article in SCIE indexed Journal.**

Dr. Navya Rani, Associate Dean(R&D) has published a research paper in reputed SCIE journal, titled "Rapid and Direct conversion of Ti3AlC2 MAX phase to Ti3C2Tx MXene Nanosheets by a Supercritical Water-Assisted Etching Process".

Journal Name: ACS Applied Nanomaterials.

Impact factor: 5.3, Quartile: Q1, H- Index: 80

<https://pubs.acs.org/action/showCitFormats?doi=10.1021/acsanm.4c05612&ref=pdf>

### December 5, 2024

- ECE faculty members published a research article in Nature Journal.**

The research work, “Metasurface absorber for millimeter

waves: a deep learning-optimized approach for enhancing the isolation of wideband dual-port MIMO antennas," authored by Dr. Nagesh Kallollu Narayanaswamy, Dr. Ajay Kumar Dwivedi and Dr. Vivek Singh of ECE Department has been successfully published in the prestigious journal "Nature - Scientific Reports."

### December 7, 2024

- **Dr. Ravi Y V, Assistant Professor, Department of Mechanical Engineering has been recognized as Reviewer.**



- **ISE Students participated in National Level Hackathon.**



- **Dr. Ajay Kumar Dwivedhi, Dean (R&D), has delivered a Keynote Address in International Conference.**



### December 9, 2024

- **Two NCC Cadets got selected for National Integration Camp, Wokha at NCC Directorate in Wokha, Nagaland.**

Two NCC cadets Ms. Keerthi., 5th Sem AIML Department & Mr. Guru Prasad, 5th Sem ECE Department got selected for Special National Integration Camp, Wokha at NCC Directorate in Wokha, Nagaland.



- **Dr. Lokesh G R, Associate Professor, MBA was invited as Special Invitee for BOS Meeting at NMIT.**

Dr. Lokesh GR, Associate Professor, Department of MBA attended as a special Invitee for the BOS meeting at Department of MBA, NMIT Bengaluru on 6th December 2024.

- **Dr. Suresh Naidu Boddu, Professor, MBA participated in GCC Talent Connect at FKCCI, Bangalore**

Dr. Suresh Naidu Boddu, Professor, Department of MBA participated in GCC Talent Connect at FKCCI, Bangalore on 7th December 2024.



- **Dr. Navya Rani, Associate Dean(R&D), has published a research paper in SCIE journal.**

Dr. Navya Rani, Associate Dean(R&D), has published a research paper in reputed SCIE journal, titled, "Phase-controlled construction of copper-leaf-like 2D NiS for enhanced supercapacitor performance: A supercritical fluid approach."

Journal Name: Materials Today Communications: ELSEVIER  
Impact factor: 3.7, Quartile: Q2, H- Index: 55

DOI: <https://doi.org/10.1016/j.mtcomm.2024.111202>



- **AIML Faculty presented and reviewed the research paper of IEEE International Conference.**



- **Members of IIC visited IISc, Bangalore.**

Members from Institution's Innovation Council Dr. Geethanjali G, Prof. Sriram S, Prof. Nagbhushan from Department of MBA and Prof. Kushnappa from Department of Civil participated in TiE Antar Prerana Leadership Global Summit at Indian Institute of Science, Bengaluru.



### December 11, 2024

- **Faculty and Students of Department of MBA participated in TiE Global Summit at Bengaluru International Exhibition Centre (BIEC)**

Prof Nagbhushan from Department of MBA along with students participated in TiE Global Summit at Bengaluru International Exhibition Centre (BIEC).



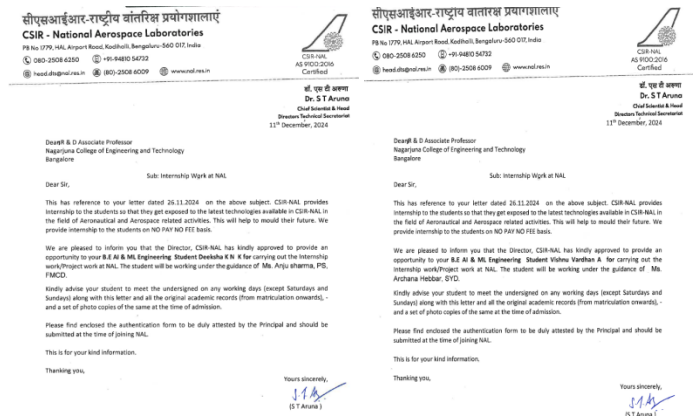
- **Mr. Manjunath K N, Assistant Professor, AI&ML department has completed HP Life online Course.**



### December 12, 2024

- **Two students from ECE and AIML were selected for CSIR-NAL Internship**

Two students, Ms. Deeksha K N, CSE(AIML) Department and Mr. Vishnu Vardhan, ECE Department, were selected for a 45-day internship at CSIR-National Aerospace Laboratories (CSIR-NAL) through my professional sources.



### December 13, 2024

- **Dr. Lokesh G R, Associate Professor, MBA department invited as Chair Person for International Conference.**

Dr. Lohith G R, Associate Professor, MBA department was invited to serve as the Chairperson for the International Conference on Industry 5.0: Contemporary Issues on Environmental, Social & Governance (ESG) and Net-Zero Carbon, on 13th December 2024 in Hybrid Mode. The conference was conducted and organized by the International Institute of Business Studies, Bengaluru.

### December 14, 2024

- **Dr. Navya Rani, Associate Dean(R&D), received the STE Women Excellence Award 2024 and delivered an invited talk.**

Dr. Navya Rani, Associate Dean(R&D), received the STE Women Excellence Award 2024 and also delivered an invited talk in the conference EWASH 2024.

This award was given by Save The Environment (STE) for recognizing the efforts of Dr. Navya Rani in the field of Nanomaterials in Biomedical Applications.



### • Dr. Lohith J J, Professor & Head, CSE(AI&ML) delivered an invited talk.

Dr. Lohith J J, Professor & Head, CSE(AI&ML) delivered an invited talk on transforming healthcare with AI@National Conference held at VTU PG Center, EWASH 2024.



### • CSE Department organized three days' workshop.

The Department of Computer Science and Engineering, in collaboration with IQAC and IIC, is hosting a 3-day workshop on GenAI and LLM from December 16th to 18th, 2024. Specifically designed for the bright students of the 5th semester. The event's inauguration took place at 10 AM in the Main Block Seminar Hall, with esteemed guests including the Principal, Vice Principal, IQAC Director, Dean of Academics-SoC, Dr. Rajkumar and Dr. Srikanth, Associate Manager of Accenture AI, who all graced the occasion.



**December 16, 2024**

### • ISE Department organized Distinguished Alumni Talk.

Department of Information Science Engineering in association with NCET Alumni Association, IQAC, IIC organized Distinguished Alumni Talk on **Mastering Interpersonal and Interview Skills: A Gateway to Success in the Telecom Industry** by Mrs. Shruthi Dayanand (NCET Alumni ISE 2005 Batch), Senior Solution Architect, Sandhata Technologies, Bengaluru on 16th December 2024. More than 120 ISE students participated in the session.



### • Orientation Programme for First Semester MBA students.

Department of MBA organized Orientation Programme for 1<sup>st</sup> Semester by Dr. Geethanjali G, Professor & Head, Department of MBA.



Ice Breaking Session 'Know Your Pal.. Breaking the Ice' was organized for 1<sup>st</sup> Semester MBA by Ms.T Ranjani, Assistant Professor, Department of MBA.





Campus Tour for 1st Semester MBA, coordinated by Dr. Chethan Kumar, Assistant Professor, Department of MBA.



Team Building Activity- BingoLingo was organised for 1st Semester MBA students



Session on Importance of Interpersonal Skills by Prof. Sriram S for 1st semester MBA



• **Dr. S G Gopala Krishna, Director, NES, honoured Dr. Vidyashankar S, Honourable Vice Chancellor, VTU.**

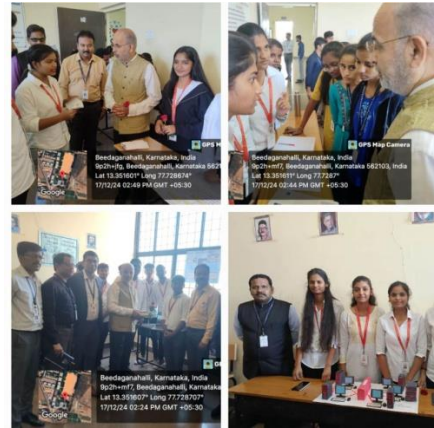
Dr. S G Gopala Krishna, Director, NES, felicitating Dr. Vidyashankar S, Honourable Vice Chancellor, VTU on behalf of NCET on 15.12.2024 at Mysore.



• **Website of IEEE NCET Student Branch Launched**  
<https://www.ieee-ncet.org/>

**December 17, 2024**

• **Department of ISE has organized Net-Connect Expo**  
Department of ISE has organized Net-Connect Expo event by 5th Semester, as part of CCE of Computer Networks Course, Coordinated by Mr.Subramanya Odeyar.



• **Department of MBA organized Expert Talk**  
Department of MBA organized Expert Talk on Leading Through Change: The Shifting Landscape of Management' by Dr. Mahesh Pavan Sathavalli, Work Stream Lead, WPP IT India, IIM Ahmedabad Alumnus.



Session on Nurturing Innovation & Entrepreneurship at NCET by Mr. Nagbhushan N, Assitant Professor, Department of MBA.





Session on Life at NCET for 1st Semester MBA by Mr. Sriram S, Assistant Professor, Department of MBA.



### December 18, 2024

- **ISE Student received a Certificate of Merit for being the Campus Ambassador by IIT Bombay**

Ms. Akshata C. Patrot, student of Sem-5 in the Dept. of ISE has been recognized with the "Certificate of Merit" for being ranked 41 (Top 100) among the 2000+ participants from all over India in the E-Cell, IIT Bombay, Campus Ambassador Program 2024.



- **Three ECE students selected for Internship at A3T Technologies Pvt. Ltd**

Three of ECE 7th semester students—Yashas, Gagan Deep, and Vishnu Praneeth —have been selected for an internship opportunity with A3T Technologies Pvt. Ltd., a leading technology company known for its expertise in innovative solutions and specialized in Core Domain and IT services.

- **Three ECE Students got Internship at BEL**

Three students of ECE department Mr. Ganesh, Ms. Sangeetha And Mr. Nandeesh of 7th semester have been selected for internships at Bharat Electronics Limited (BEL), a prestigious organization known for its excellence in the defense and electronics sectors. Ms. Deeksha K N, 7th semester student selected for Internship at CSIR- National Aerospace Laboratories in the field of Aeronautical and Aerospace related activities.

- **ISE Department organized Value Added Course on Cyber Security and Ethical Hacking**



### December 19, 2024

- **Dr. Navya Rani, Associate Dean(R&D), published a research paper in reputed SCIE journal**

Dr. Navya Rani, Associate Dean(R&D), published a research paper in reputed SCIE journal, titled, "Facile Green Synthesis of CuWO4 Nanoparticles and it's Application for the photocatalytic Degradation of rose Bengal Dye under Visible Light Irradiation".

Journal Name: Inorganic Chemistry Communication  
Impact factor: 4.4, Quartile: Q1, H- Index: 81

- **MBA Department organized Expert talk as part of Orientation Programme**

Expert Talk on The Future of Finance: Embracing Technology in the Digital Era for I semester MBA by Mr. Ganesh Shetty, Chartered Accountant, Co-Founder, Fincurious.



Session on AI for Transforming Business Processes for 1<sup>st</sup> semester MBA by Dr. Mallikarjun M Kodabagi, Dean Academics, School of Computing.





Team Building Activities for I semester MBA organised by Prof. Suresh J, Assistant Professor, Department of MBA & COE- NCET.



Session on Unlocking the Power of Business Leadership for I Semester MBA by Dr. Chethan Kumar, Assistant Professor, Department of MBA.



- **Dr. Manjunath K, Professor & Head, Chemistry Department presented a poster in National Conference.**



- **Howzzat - Interdepartmental Cricket Tournament**



- **MBA Faculty published a research paper UGC Care Journal**

Mr. Chethan Raj, Assistant Professor, Department of MBA published his research paper titled "The Impact of Artificial Intelligence on Retail Marketing Trends" in a prestigious

peer-reviewed journal, International Journal of Aquatic Science.

### December 20, 2024

- **ECE Department organized an Expert Talk**

The Department of Electronics and Communication Engineering, in association with MSME Technology Centre Bengaluru, IEEE Student Branch (STB-15118), ED Cell, IIC, and IQAC, successfully organized an Entrepreneurship Awareness Program (EAP) on 20th December 2024.

Dr. Raghunandan N K, a renowned academic and corporate professional, delivered an insightful session. More than 100 ECE students actively participated in this enriching event held at the Seminar Hall, Main Block.



- **Food Fest by DS Students**

Data Science students successfully organized a food fest in their classroom as part of the UHV (Universal Human Values) Social Connect and Responsibility initiative.



- **Students of ECE, AIML and DS secured 2nd Place in Bull and Code event at IIT, Bombay**

The students of ECE, AIML, and DSE secured 2nd place in the prestigious 'Bull and Code' event at the IIT Bombay Techfest, competing against 46 teams across three challenging rounds. In the final round, They successfully developed an algorithm for algorithmic trading within an intense 4-hour time limit. They have been awarded the worth of 14k prize as a prize money. Students are Mr. Vijayreddy R H -DS, Mr. Tharun -AIML and Ms. Srija-EC.





### ECE faculty published and granted with a design patent

Mr. Sreenivasulu K N, Assistant Professor, ECE department has published a Patent and received a Design Grant for the innovative patent titled CBT-Based Device for Anxiety and Aggression Management in Epilepsy Treatment.



### ISE Faculty completed two online courses



### MBA Department organized an Expert Talk

Expert Talk on Metamorphosis: The Transformation of Self for I Semester MBA by Ms. Devayani Acharya, Assistant General Manager, L&D, Great Learning.



### MBA department organized Expert Talk

Expert Talk on Leadership Lessons from the World of Treks by Ms. Mrudula Joshi, Program Advisor, Indiahikes School of Outdoor Learning (InSOUL) for 1<sup>st</sup> Semester MBA.



## December 21, 2024

### ECE Student paper selected and presented in IEEE International Conference.

Research paper by Final year ECE student Ms. Chaitra K A, under the guidance of Dr. Ajay Kumar Dwivedi and Dr. Vivek Singh, titled "Design and Implementation of ZrO<sub>2</sub> based ceramic MIMO antenna for smart cities in n257 and n261 Bands ", has been accepted and successfully presented at 3rd IEEE International Conference on Modelling, Simulation, and Intelligent Computing (MoSiCom 2024), BITS Pilani, Dubai Campus, Dubai UAE on 09 - 11 Dec. Indexing: IEEE Xplore (Scopus Index).



### ECE Student paper selected and presented in IEEE International Conference, Dubai

The research paper by final-year ECE student, Mr. Sudhanva Navaneeth P.B, has achieved a significant milestone with the acceptance and successful presentation of his research paper, "Analysis and Investigation of a Novel Compact Metasurface Absorber with Wide Angle Stability for Triple Band Attributes".

This work, conducted under the guidance of Dr. Vivek Singh and Dr. Ajay Kumar Dwivedi, was presented at the prestigious 3rd IEEE International Conference on Modelling,



Simulation, and Intelligent Computing (MoSiCom 2024), hosted by BITS Pilani, Dubai Campus, UAE, from 9th to 11th December 2024. Indexing: IEEE Xplore (Scopus Index)



### Faculty Members Completed ATAL FDPs



### December 24, 2024

- Mrs. Geetha D L, Assistant Professor, Mathematics Department, presented a paper at National Symposium held at IIT, Madras



### December 23, 2024

#### CSE Department organized Food Fest

CSE Department's 3rd-semester students organized a Food Fest as part of their subject Social Connect and Responsibility. The students showcased their creativity through a variety of unique and innovative food recipes, making the event both engaging and inspiring.



#### AIML Department organized an Industrial visit

Dept of AI&ML has organized visit to GKVK as part of social connect for 3rd sem students. Prof. Shivalila was coordinator.

- Dr. Lohith J J, Professor & Head, AIML department was invited as Resource person by NIT, Kurukshetra. Dr. Lohith J J, Professor & Head, CSE(AIML) departments was invited as Resource person to deliver sessions at NIT, Kurukshetra.

### December 26, 2024

#### CSE Department organized Industrial Visit

Dept of CSE has organized a visit to MGIRED, Bengaluru as part of industrial outreach for 62 students of 7th sem, coordinated by Dr.Shilpashree S.







## • AIML Department organized Plantation Activity

Dept of CSE(AI&ML) organized plantation drive as part of Social Connect & Responsibility.



**December 27, 2024**

## • ECE Department organizing Heritage Visit as part of UHV Activities.

The Department of Electronics and Communication Engineering of Nagarjuna College of Engineering & Technology has organized a Heritage Visit to Kailasagiri Betta. This visit was conducted as a part of the Social Connect and Responsibility program (Course Code: 23UHV38).



## • Research paper from ECE Students selected for publication in IEEE International Conference Proceedings

A research paper by Final year ECE students Ms. Sneha C S, Ms. Poojitha D R, Ms. Vanitha G and Ms. Srija B S under the guidance of Dr. Ajay Kumar Dwivedi and Dr. Vivek Singh titled " Disease Diagnosis and Sustainable Prevention in Arecanut Farming", has been accepted at 3rd International

Conference on Electronics and Renewable Systems ICEARS 2025, St. Mother Theresa Engineering College Tuticorin (Thoothukudi), Tamil Nadu, India.

Conference Date: 11- 13 Feb 2025

Indexing: IEEE Xplore (Scopus Index)

## • NCC Cadets participated in Special National Integration Camp at Nagaland.

NCC cadets from the 5 Karnataka Battalion participated in the Special National Integration Camp (SNIC) held in Nagaland (NER) from December 11 to December 22. They successfully completed the camp and earned the Gold Junior Under Officer (JUO) rank. The selected cadets are Keerthi V from the CSE-AIML department (5th semester) and Guruprad V from the ECE department (5th semester) of Nagarjuna College of Engineering and Technology.



## • Staff and Students offered condolences to Dr. Manmohan Singh on his demise.



## • CSE Department organized an Invited Talk

The Department of CSE has organized a technical talk for the 5th-semester students.

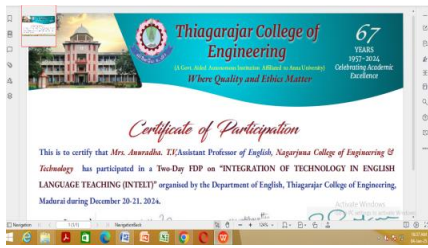




• **CSI Membership for NCET**



• **Mrs. Anuradha T V, Assistant Professor, SSFL department has completed 2 days FDP.**



**December 28, 2024**

• **ECE Department organized Distinguished Alumni Talk.**

Department of Electronics & Communication Engineering in association with NCET Alumni Association, IQAC, IIC organised Distinguished Alumni Talk on Engineering Your Career: Insights for Transitioning from Academics to Industry by Mr. Vinaya Kumar S R (NCET ECE Alumni 2006 Batch), Senior Advanced Embedded Engineer, Honeywell, Bengaluru on 28th December 2024. More than 70 3rd semester ECE students Participated in the session.



• **Dr. S V Dinesh, Principal, SIT Tumkur, visited the College**



• **Parent Teacher Meeting held on 28.12.2024**

A talk on Good to Great Parenting was organized as part of the Parent Teacher Meeting by Mr V Anantha Ramaiah, Former Deputy General Manager in B.E.L- Bangalore, Corporate HRD Trainer.



• **Mini Project Exhibition on 28.12.2024.**

The School of Computing (CSE, ISE, DS and AI&ML) has organized the Project Expo-2024. "PRAKALPA". Prizes were distributed to the winning teams.

