



RV COLLEGE OF ENGINEERING®
(Autonomous Institution affiliated to VTU, Belagavi)
**DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING**
RV Vidyaniketan Post, 8th Mile, Mysuru Road,
BENGALURU– 560059, KARNATAKA, INDIA

Go, change the world



MAY 2024
Volume XII, Issue I

THE EDITORIAL

World Telecommunication and Information Society Day (WTISD) is observed annually on May 17th, since 1969 marking the founding of ITU and signing of the first International Telegraph Convention in 1865 to raise awareness about the importance of information and communication technologies (ICT) and their role in shaping societies and economies worldwide. The theme proposed for WTISD-2024 is “**Digital Innovation for Sustainable Development**”. Innovative tech can help tackle the world’s most pressing challenges, from fighting climate change to eliminating hunger and poverty. In fact, digital technologies can help achieve 70% of targets under the UN Sustainable Development Goals by 2030.

With 2.6 billion people still unconnected, and many countries – lacking key policies, investments, and digital skills – are struggling to keep up in today’s fast-changing digital landscape. WTISD 2024 reminds the world of the progress yet to be made to ensure that everyone can benefit from digital technologies .

Digital Financial Inclusion:

Mobile banking, digital payments, and blockchain-based financial services empower unbanked populations, providing access to financial tools and enabling economic participation.

Applications of AI in Sustainable Development:

AI-driven predictive analytics can optimize resource management, such as water and energy consumption, leading to more efficient and sustainable practices.

For instance, AI-powered weather forecasting and predictive analytics help farmers make data-driven decisions on crop planting, irrigation, and pest management, reducing water usage and increasing crop yields.

Applications of Blockchain in Sustainable Development:

Blockchain technology facilitates transparent tracking of products, ensuring ethical sourcing in supply chains, supports decentralized energy markets, thus promoting sustainable development by fostering trust, reducing inefficiencies, and ensuring accountability.

Applications of Telematics in Sustainable Development:

Telematics contributes to sustainable development by optimizing transportation systems, reducing traffic congestion, and minimizing emissions. Telematics-supported electric vehicle management facilitates the transition to sustainable transportation. Additionally, telematics enables precision agriculture practices, enhances environmental monitoring efforts, and supports disaster management and resilience through real-time data analysis and communication capabilities.

SPECIAL POINTS OF INTEREST

- The Editorial
- About the Department
- Research Facilities
- Patents and Publications
- Talks, Visits and Workshops
- Centre of 5G and Emerging Wireless Technologies
- WTISD -2023 Celebrations
- Core Placements

The Editorial Committee

FACULTY EDITORS:

Dr. K. Sreelakshmi
Professor & HoD, ETE
Dr. K. Nagamani
Professor
Sri. Sudharshan, Foreman.

STUDENT EDITORS:

Mounika R (I Sem, PG DC)
Varshini M Acharya (I Sem, PG DC)
Yuvraj Singh (VI Sem, UG ETE)



Artificial Intelligence
in **Sustainable
Development**

ABOUT THE DEPARTMENT

The Department of Electronics and Telecommunication Engineering was established in 1992. It offers a UG program, a PG program and also a Doctoral program affiliated to VTU. All the programs under the department have been accredited under TIER-I by the NBA multiple times. The department has COE in “5G and Emerging Technologies” and also COE in “CCTV Research”, through which Internships, Projects and other skill development activities are conducted.

The department has a total of 19 teaching faculty members, out of which 13 are Ph.D. holders, 6 are pursuing Ph.D. and competent technical and support staff. All the faculty are members of IEEE, ISTE and IETE professional societies. The faculty have involved in various centers of excellence and centers of competence, and also involved in several research projects with Samsung, NOKIA, WIRIN.

1. The faculty members are Board of Examiners and Doctoral Committee members in various institutions.
2. The department has State of the Art facility for research activities.
3. The department offers industry offered electives for M.Tech students: Software defined networks by Tektronix and 5G advanced by Nokia.

VISION

Imparting quality education in Electronics and Telecommunication Engineering through focus on Fundamentals, Research and Innovation for Sustainable Development.

MISSION

1. Provide comprehensive education that prepares students to contribute effectively to the profession and society in the field of Telecommunication.
2. Create state-of-the-art infrastructure to integrate a culture of research with a focus on Telecommunication Engineering Education.
3. Encourage students to be innovators to meet local and global needs with ethical practice.
4. Create an environment for faculty to carry out research and contribute in their field of specialization, leading to Center of Excellence with focus on affordable innovation.
5. Establish a strong and wide base linkage with industries, R&D organization and academic Institutions.

PhD Awardees in 2023



Dr. P. Nagaraju
Associate Professor



Dr. Usha Padma
Associate Professor



Dr. K. Viswavardhan Reddy
Assistant Professor



Dr. Shambulinga M.
Assistant Professor

IEEE Bengaluru Section Office Bearers



Dr. Premananda .B. S,
Chair Elect,
ITS Society
Bengaluru Chapter



Dr. Nagamani K.,
Secretary,
IEEE Sensors Council
Bengaluru Chapter

IETE Bengaluru Section Office Bearers



Dr. B. Roja Reddy
Co-opted Member,
IETE, Bengaluru



Dr. Ranjani G.
Co-opted Member,
IETE, Bengaluru

Research Facilities

Department developed industry based labs such as Keysight (Advanced RF and Wireless Communication Lab), Tejas networks (Optical Research Lab), and CCTV Research Lab to strengthen U.G., P.G. projects and Research activities. The details of the research labs are listed as follows:

1) RVCE-Keysight Advanced RF and Wireless Research Lab:

FACILITIES AVAILABLE

- Agilent Vector Signal Analyzer: EXA 7 GHz
- 24 Systems loaded with Keysight EDA Tools
- Agilent MIMO Baseband Generator PXB
- Agilent Mixed Signal Oscilloscope, 4 Ch, 4 GSa/s with 16 Digital Channels
- Agilent Vector Signal Generator: MXG 6 GHz
- R&S Vector Network Analyzer: 13.6 GHz
- Software Defined Radio Kits
- Keysight Waveform Generator:30MHz
- R&S RF Synthesizer:3GHz
- Tektronix mixed Domain Oscilloscope:100MHz
- Tektronix USB real time signal analyzer:6.2GHz

TECHNOLOGIES SUPPORTED

- GSM/GPRS/EGPRS
- WCDMA/HSDPA/HSUPA/HSPA+
- AMPS/IS95A-B/IS2000/EVDOA-B
- WLAN/BT/ZigBee/RFID/WiMax/LTE
- MIMO
- DC-HSDPA
- SDR, Cognitive Radio

2) Optical Research Lab:

FACILITIES AVAILABLE	TECHNOLOGIES SUPPORTED
• Tejas 1600C SDH Optical Transport equipment	• SONET
• Tejas 3301 CWDM Equipment with ROADM facility	• SDH
• RXT2380RxT2.5G Test set up	• WDM
• RXT2380 SW 25G Test set up	• CWDM, DWDM, Packet Transport

3) CCTV Research Lab:

IR PTZ Camera	2MP, 20x Full HD Recording -150 Mtr
Body Worn Camera, Wi-Fi Bullet Camera	2 MP Full HD Recording
IR Network Bullet Camera	2MP Full HD Recording - 40Mtr
	2MP Full HD Recording
Outdoor CPE Access point	5GHz 300Mbps 23dBi with Dual Polarized Directional Antenna
Mini bullet IP cameras	2MP fixed lens 3.8mm
NVR	8 channel, 1 TB HDD
Work Station	Dell, Intel® Core™ i9, Storage - 512GB, 4TB 5400rpm SATA 3.5" HDD

EXPERT LECTURES ORGANIZED BY THE DEPT:2023-24

Details
Recent Trends in Data Science and their Real-World Applications, organized by Brillio on 29/07/2023
6G and standardization Organized as a part of “WTISD” organized by Head of Standardization India, Nokia Standards –Nokia, Bengaluru, on 17/05/23
Antenna Technology: Latest Trends and Advancements (online) Organized as part of RVCE IEEE AP-S workshop ,organized by Scientist F, LRDE, on 9/05/2023
Metamaterials and Meta surfaces for Antenna Technology: Exploring the Fundamentals(online) Organized as part of RVCE IEEE AP-S workshop ,organized by Prof,Dept of ECE, IISc on 10/05/2023
EMI EMC Simulation for system level DUTs using CommScope (online) Organized as part of RVCE IEEE AP-S workshop, organized by SimYog Technologies on 10/05/2023
CAEV- Connected Autonomous and EV As a part of EV Boot camp ,organized by Director, MG-Nurture Program on 5/05/2023
RTL Design Demystified: an Engineer & perspective, organized by, AMD, Orlando, Florida, USA on 11/7/2023
STA and Optimization Techniques, organized by MediaTek, Bengaluru on 14/7/2023
Multimodal MEM Classification, organized by CGG, Houston, USA on 15/7/2023
Phased Array Antenna Design Using HFSS ,organized by Senior RF Designer, Astrome Technologies on 21/09/2023
RF Transceiver Design Using ADS ,organized by Senior HW Engineer, Mistral Solutions on 22/09/2023
Online Lecture on SIW Technology inspired Multiband Antennas for Futuristic Communion, organized by IEEE RVCE Com-Soc, APS and CAS societies on 09/02/2024

WORKSHOPS ATTENDED BY FACULTY:2023-2024

Faculty Name	Details
Dr. K Nagamani	Faculty Development Program on “5G Advanced” NOKIA, Manyatha Tech park, Bengaluru during 24/07/2023 to 28/07/2023
Dr. K Nagamani	AICTE Sponsored Online Short-Term Training Program (STTP) on Next Generation AI –Research Perspectives from organized by National Institute of Technology Nagaland during 18-03-2024 to 22-03-2024
Dr. P Nagaraju	AICTE Training and Learning (ATAL) Academy Faculty Development Program on Cybersecurity for Industry 4.0 RVCE, Bengaluru during 9-10-2023 to 14-10-2023
Dr. P Nagaraju	Online FDP on "Cutting Edge Technologies in Wireless Communications, Signal and Image Processing (CTWCSIP-2024)" Jointly organized by Department of ECE, GMR Institute of Technology, Rajam, AP & Department of ECE, VR Siddhartha Engineering College, Vijayawada AP during 25/02/2024 to 29/02/2024
Dr. Bhagya R	“Neural Networks and Fuzzy Logicat NITTTR, Chandigarh during 21/08/2023 to 01/09/2023
Dr. Bhagya R	Successfully completed the course on “Overtaking Driver Assistance System Modeling & Simulation” Online mode Organized by Dept of ME, RVCE in association with Decibels during 3/05/2023 to 13/06/2023
Dr. Bhagya R	Successfully completed the course on “Electric Vehicle Technology Certification Course” From Decibels, Online mode Organized by Dept of ME, RVCE in association with Decibels 29/05/2023 to 13/06/2023
Dr. Roja Reddy B Dr. Shanthi P.	“Neural Networks and Fuzzy Logicat NITTTR, Chandigarh during 21/08/2023 to 01/09/2023
Dr. Roja Reddy B	5 days Training on Nvidia setup organized by Dept of ETE, RVCE during 29/02/2024 to 06/03/2024
Dr. Saraswathi K	Faculty Development Program on “5G Advanced” NOKIA, Manyatha Tech park, Bengaluru during 24/07/2023 to 28/07/2023
Mr. Mithun T P	3-Days Hands-on Workshop on Microcontrollers and Programming IEEE RVCE Sensors Council Chapter in association with Dept of Electronics and Instrumentation Engineering; During 16/05/2023 to 18/05/2023
Dr. Ranjani. G	Faculty Development Program on “5G Advanced” NOKIA, Manyatha Tech park, Bengaluru during 24/07/2023 to 28/07/2023
Dr. Ranjani G	“Neural Networks and Fuzzy Logicat NITTTR, Chandigarh during 21/08/2023 to 01/09/2023
Dr. Ranjani G	5 days Training on Nvidia setup organized by Dept of ETE, RVCE during 29/02/2024 to 06/03/2024
Mrs. Neethu S	AICTE Training And Learning (ATAL) Academy Faculty Development Program on “Recen Advances in Electric Vehicle Technologies: Challenges and Solutions”; Dayananda Sagar College of Engineering, Bengaluru during 06/11/2023 to 11/11/2023.
Mrs. Sandhya H B	Modelling Communication Systems using MATLAB CoreEL Technologies (I) Pvt Ltd, .Banglore during 04/12 /2023& 0/12/2023

INVITED TALKS DELIVERED BY FACULTY: 2023-2024

Faculty Name	Topic	Venue
Dr. K. Sreelakshmi	Electronic computer Hardware	BEL, Bengaluru, 15/09/2023
Dr. Bhagya R	IoT, challenges, Applications and opportunities using AIs	Keynote speaker in the First International conference on Artificial intelligence for Internet of Things (AI4IOT) 17/06/2023
Dr. Premananda B.S.	Overview of Application-Specific Integrated Circuits	Dept. of E&C, PESCE, Mandya 20/10/2023
Dr. Shanthi P.	RF System Design considerations and RF Active components	Bharat Electronics Limited, Bengaluru 19/07/2023
Dr. Shanthi P.	RF Basics and RF Measurements to Tata Advanced systems	TATA Advanced Systems Electronic City, Bengaluru, 31/07/2023 & 01/08/2023
Dr. Shanthi P.	RF Active and Passive circuit Design Using AWR (online) Organized as part of RVCE IEEE AP-S	Dept of ETE, RVCE, 09/05/2023
Dr. Shambulinga M.	EMI & EMC to Tata Advanced systems	TATA Advanced Systems Electronic City, Bengaluru, 31/07/2023 & 01/08/2023

INDUSTRIAL VISITS:2023-2024

Industry Name & Address	Details
BMRCL Byappanahalli Metro Station , Bengaluru	To Visit the surveillance room, AFC Server room, Centralized digital Radio system Date:17/05/2023 For 6th Sem BTE and M Tech Students Coordinators: Dr. K Nagamani, Dr. K Saraswathi, Dr. Bhagya R.
Electronics & Radar Development Establishment (LRDE DRDO, Bengaluru	To gain the knowledge regarding the state of the art technology on RADARS and its defense applications Date: 30/08/2023 For 4 th Sem ETE Students Coordinators: Dr. Saraswathi K, Dr. Bhagya R, Dr. Nagamani K.
Vidhana Soudha, Bengaluru	As part of Experiential learning for the course Fundamentals of Indian constitution Date: 01/09/2023 For 2 nd Sem ETE Students Coordinators: Dr. Usha Padma, Dr. Bhagya R, Dr P. Nagaraju
U R Rao Satellite, ISRO, Old HAL airport road, next to NAL, Bengaluru-560017	Industrial visit as a part of Skill lab The students can get the exposure to industry & can enhance their knowledge Date: 29/02/2024; For 3 rd Sem UG students

MEMORANDA OF UNDERSTANDING (MOU) / MEMORANDA OF AGREEMENT (MOA):2023-2024

Organization	MoU executed date	Validity of the MoU / MoA
Greeneria Renewable Technologies Pvt Ltd	15/11/2023	3 Years
Participating Faculty: Dr. K. Saraswathi This MoU is regarding the research consultancy services and produce deliverables pertaining design and development automated waste segregation of municipal solid waste.		
NOKIA	01/04/2023	2 Years
Participating Faculty: Dr. Roja Reddy B. This MoU offers Internship, Projects, and Industry based elective named Advanced 5G, for post graduation (M. Tech) students.		



JOURNAL PUBLICATION BY FACULTY: 2023-2024

Faculty Name	Title	Journal Name, Volume & No. Issue Page No.
Mr. T P Mithun	Design and Development of Motion Based Continuous Sign Language Detection	International Research Journal of Engineering and Technology,10,8,563-566
Mr. T P Mithun Dr. Sreelakshmi K	Design of Multiband Antenna Using DGS For UWB Application	Journal of Emerging Technologies and Innovative Research,10,12,337-341
Dr. Premananda B.S.	TSPC-AVLS Based Low-Power 16/17 Dual Modulus Prescaler Design AVLS-based 32/33 Pre-scaler for frequency dividers	IETE Journal of Research e-Prime - Advances in Electrical Engineering, Electronics and Energy,04,1-5
Nanditha K. , Dr. Nagamani K.	A Deep Learning Model for Neural Network Optimization for Glaucoma Classification using Fundus and Oct Feature Fusion	Journal of Electrical Systems (Q3), 20-2s, 2024, PP 332-347
Dr. Shanthi P, Adish, Bhuvana, Trisha	Modelling and Optimization of signals Using Machine Learning Techniques	Springer Nature-Lecture Notes in Data Engineering and Communication Technologies, 166
Manoj Kumar R., Dr. Bhagya R. Bharathi R.	Design and implementation of UAV-assisted communication in remote disaster areas using AI for 5G network	2nd Hinweis International conference on Artificial Intelligence and Data Science, AIDE-2023, Oct-28, 2023. Published in Grenze International Journal of Engineering and Technology, Jan Issue, 2024 PP 228-237.

WORKSHOP ATTENDED BY TECHNICAL STAFF: 2023-2024

Staff Name	Conference / Workshop / Seminar/webinar	Venue/Organized by
Mr. Sudarshan S	5 Days Training on Artificial Intelligence and Machine Learning using NVIDIA	Dept of ETE, RV College of Engineering in association with GI Ventures, 29/02/2024 to 06/03/2024
Mr. Sudarshan S	6 Weeks Industrial Training on Embedded System with Robotics & IoT Using AWS	EduLakes Solutions LLP In Association with National Service Scheme (NSS) - IIT Roorkee; 26/06/2023 to 04/08/2023
Mr. Sudhan Gowda B S	3-Days Hands-on Workshop on Microcontrollers and Programming	IEEE RVCE Sensors Council Chapter in association with Dept of Electronics and Instrumentation Engineering presents ,16/05/2023 to 18/05/2023
Mrs. Kavitha A Mr. Santhosh G	3 Days workshop on “Lab essentials for non-teaching and supporting staff”	Organized by Dept of ECE, NIE, Mysuru ,22/05/2023 to 24/05/2023
Mr. Sudarshan S Mr. Nataraj K Mr. Sudhan Gowda B S	3 Day Training programme on “Campus IT Infrastructure”	IPMG team in association with M/s. Orbit Technsol, under IQAC ,27/11/2023 to 29/11/2023
Mr. Sudhan Gowda B S	6 Weeks Industrial Training on Embedded System with Robotics & IoT Using AWS , MathWorks webinar: Using MATLAB with Python	EduLakes Solutions LLP In Association with National Service Scheme (NSS) - IIT Roorkee Mathworks

PATENT FILED DETAILS: 2023-2024

Title	Author	Patent Filed on	Status
A Smart Automatic waste segregator for Mixed waste with Neodymium magnets and proximity sensors.	1) Dr. Vinutha Moses 2) Dr. K Saraswathi	Date: 02/12/2023	Applied Patent no : 202341082027
Method And Device for Tracking an Object	1) Mr. T. P. Mithun 2) Vishesh Vinod 3) Ishwarya Srinivasan 4) Pracheta B A 5) Vivek Anand	Date: 04/05/2016 OMS Docket No: OMS.0061.000270 Patent Number: 472488 Application Number: 201641015450	Granted on: 23/11/2023



ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN TELECOMMUNICATION

Telecommunications is a rapidly evolving industry with booming 5G and 6G technologies that is being transformed by the integration of machine learning technologies and Artificial Intelligence. One of the key applications of machine learning in telecom is network optimization. Machine learning is revolutionizing the telecom industry by enabling companies to optimize their networks, deliver personalized experiences to customers, and improve fraud detection. Machine learning algorithms can analyse vast amounts of network data to identify patterns, detect anomalies, and make predictions about network usage. This information can be used to optimize network performance, reduce downtime, and improve overall efficiency. For example, machine learning algorithms can predict network traffic patterns, allowing telecom companies to proactively allocate bandwidth and resources to meet customer demand.

Machine learning is making a significant impact in telecom industry by increasing the customer experience. By analysing customer data, machine learning algorithms can identify patterns and preferences, allowing telecommunications companies to provide personalized experiences to their customers. For example, machine learning algorithms can predict which customers are most likely to churn and target them with tailored promotions and offers. In addition, machine learning algorithms can be used to analyse customer feedback and sentiment, allowing telecom companies to identify areas where they can improve their services. Machine learning is also being used in the telecom industry to improve the accuracy and speed of fraud detection. Fraudulent activities, such as phone cloning, call fraud, and SIM swapping, are a major concern for telecom companies. Machine learning algorithms can analyze network data in real-time to detect unusual patterns of behavior and alert operators to potential fraud. This can help telecom companies reduce their exposure to financial losses and improve overall security.

Artificial intelligence (AI) is revolutionizing our world, from factories and transport to the content we consume – and networks are no exception. Artificial intelligence (AI) is beyond disruptive. Arguably the second biggest leap in the technological revolution since the widespread adoption of computers, it is already transforming industries worldwide – and even creating new ones .

As networks are expanding in both scope and areas of usage, recent and emerging services are requiring always-on performance, ultra-reliability and low latency, high levels of security plus a network with the capability to support many diverse use cases. It is possible due to the 6G which is fulfilling the ever-increasing demands and requirements and rising expectations – from improving performance and capacity to lowering energy consumption.

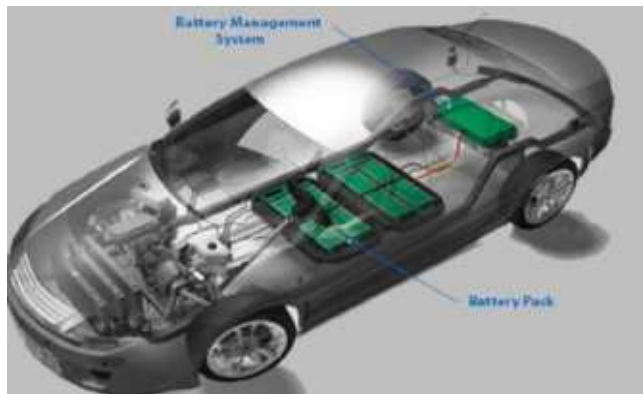
At the same time, the evolution to 5G,6G, IoT and edge computing means the mobile ecosystem and networks are becoming ever more complex. We're at a point where our networks simply must deliver value beyond just connectivity. Fortunately, with the power of data and intelligence enabling advanced automation services, this is now possible. AI and machine learning are already proving their worth, delivering significant benefits to telecom operators in several areas.

by Dr. NAGAMANI K, Professor, Dept. of ETE, RVCE

Battery Management Systems (BMS) are crucial in electric vehicles (EVs), overseeing the battery packs that power these vehicles. Today,

THE CORE OF ELECTRIC MOBILITY: BATTERY MANAGEMENT SYSTEMS

BMS ensures the safety and optimal performance of EV batteries by monitoring critical parameters such as voltage, current, temperature, and state of charge (SOC). BMS balances cell charge levels to avoid overcharging and over-discharging while offering protection against hazards like short circuits. This comprehensive management uses integrated circuits and sophisticated software algorithms to ensure batteries operate within safe limits, enhancing both performance and lifespan.



However, BMS faces several technical challenges, including increased complexity, higher costs, safety concerns, scalability, and communication demands. As EV batteries grow larger and more complex, BMS must handle vast amounts of data and maintain precise control, which can complicate design and manufacturing. Safety is critical due to the high energy density of modern lithium-ion batteries, necessitating robust fault tolerance and fail-safe mechanisms. Despite these challenges, BMS brings significant benefits, such as enhanced safety through continuous monitoring and improved battery life via cell balancing. Energy efficiency is also improved by optimizing charging and discharging processes, while diagnostic capabilities support predictive maintenance, which can be monitored remotely through IoT technology. Looking to the future, BMS will incorporate advanced technologies like artificial intelligence and machine learning for enhanced fault detection and predictive maintenance. With IoT integration, wireless and remote monitoring can revolutionize how BMS communicates with other EV systems and with external infrastructure, allowing real-time monitoring and over-the-air (OTA) updates. Advanced thermal management will be crucial as battery energy density increases, requiring innovative cooling solutions to maintain optimal operating temperatures. Standardization and interoperability are also essential, promoting seamless integration with various EV models and charging networks. As BMS technology evolves, it will play a pivotal role in supporting the growth of electric vehicles and fostering a sustainable transportation ecosystem,

by Shifa Rafia , Dr. K .SARASWATHI, Associate Professor, Dept. of ETE, RVCE

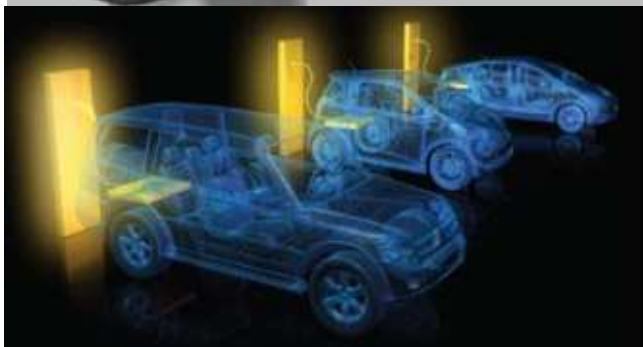


Fig. Battery Management systems



INDUSTRY VISITS



Electronics & Radar Development Establishment (LRDE), DRDO, Bengaluru



BMRCL Byappanahalli Metro Station , Bengaluru



Faculty Development Program on “5G Advanced” NOKIA, Manyatha Tech park, Bengaluru

SPORTS ACHIEVEMENTS



Dr. MS Ramaiah Memorial Basketball (Men & Women) Tournament; Venue: MS Ramaiah Institute of Technology; Date: 22-24th November 2023



VTU State Level Interzone Basketball Tournament; Venue: MS Ramaiah Institute Of Technology; Date: 30th November-1st December 2024



VTU Bangalore Division Netball Men's Tournament; Venue: Acharya Institute Of Technology; Date: 17th January 2024



VTU State Level Netball Championship; Venue: Malnad College of Engineering, Hassan; Date: 19-21 January 2024

ALUMINI INTERACTION



CENTRE OF 5G AND EMERGING WIRELESS TECHNOLOGIES

About the CoC:

The Centre of 5G and Emerging Wireless technologies at RV College of Engineering® was started in September 2022 to support training, consultancy and Research. The centre aims at enhancing the knowledge and skill through training. The centre focuses on undertaking interdisciplinary research projects through collaboration with industry and research organizations. The centre has signed an MoU with the Tektronix India Private Limited to provide training for students to enhance the knowledge in the 5G and allied technologies.

ACTIVITES CARRIED OUT UNDER 5G CENTRE



Internship offered under Centre of 5G and Emerging Wireless Technologies



RVCE has MOU with NOKIA which offers Internship, Projects, and Industry based elective Advanced 5G; signed in April 2023



Industry offered elective: Advanced 5G by NOKIA, and Software Defined Network by TEKTRONICS PVT LTD



Authorship Workshop was organised under IEEE SPS Bangalore Chapter, IEEE Sensors Council Bangalore Chapter: Empowering Researchers: Insights on Research Paper Writing, Publishing and IP Issues.

WORLD TELECOMMUNICATION AND INFORMATION SOCIETY DAY: WTISD-2023 NATIONAL CONFERENCE ON “DIGITAL TECHNOLOGIES FOR ROAD SAFETY”

On account of “World Telecommunication and Information Society Day–WTISD-2023”, two day national conference on “Digital Technologies for Road Safety” was organized during 17th and 18th May, 2023. The theme proposed for WTISD-2023 by ITU is “Empowering the least developed countries through information and communication technologies.”

National Conference is an annual event of the department to spread awareness, research opportunities for serving the society and enhancing technical interaction among faculty, researchers and students. The following events were conducted as a part of the celebrations: technical talks, paper presentations, release of the department newsletter and award of Arunodaya Scholarship.



Arunodaya Scholarship Recipients



Release of Tarangavani - Dept. Newsletter

CORE PLACEMENTS

Dream Company	CTC Offered
Qualcomm	29 LPA
SAP	25 LPA
PhonePe	22.5 LPA
HPE	17.5 LPA
Flipkart	16 LPA
Tresvista	10.1 LPA
AirBus	10 LPA
NVidia	9 LPA

Our Recruiters



STUDENT'S ACHIEVEMENT



NCC RVCE Emerged victorious in the cultural competition in the Combined annual training camp conducted by 2 Karnataka BN NCC.



DASTAAN securing 1st place at various battles of bands held at prominent colleges.



Our Sponsors

