

REPORT ON COLLEGE ACTIVITIES – April 2023

April 2, 2023

- **Dr. Ajay Kumar Dwivedi has published a Journal Paper.**

Dr. Ajay Kumar Dwivedi, Associate Professor, Dept. of ECE has published an article titled "Design and Optimization of MIMO Dielectric Resonator Antenna Using Machine Learning for Sub-6GHz based on 5G IoT Applications". Journal Name: SCIE Arabian Journal for Science and Engineering, Springer, Impact Factor: 2.807, Quartile: Q1, H- Index: 50.

DOI: <https://link.springer.com/article/10.1007/s13369-023-07830-9>.

- **Dr. Sanjeevakumar M. Hatture has published a Journal Paper.**

Dr. Sanjeevakumar M. Hatture, Professor & HOD, Department of ISE has published a paper entitled "The Use of Artificial Intelligence to Improve Agriculture and Crop Management". Journal Name: International Journal for Modern Trends in Science and Technology, UGC Approved Journal.

DOI: <http://www.ijmtst.com/vol9si01.html>.

- **Dr. Vivek Singh and Dr. Ajay Kumar Dwivedi have published a Journal Paper**

Dr. Vivek Singh, and Dr. Ajay Kumar Dwivedi, Associate Professors, Department of ECE have published a paper titled "Treatment of Hepatocellular carcinoma using 5-Slot Microwave Ablation Antenna at 2.45 GHz". Journal Name: "International Conference on Intelligent Systems and Smart Infrastructure" (ICISSI 2022), Taylor & Francis (CRC Press).

DOI: <https://dx.doi.org/10.1201/9781003357346-79> .

April 4, 2023

- **Mr. Nanda Kishore and Dr. H. Venkatesh Kumar have published an Journal Paper**

Mr. Nanda Kishore, Assistant Professor and Dr.H.Venkatesh Kumar, Professor, ECE Department have published paper Titled "Providing End-to-End QoS over Mobile and Adhoc Networks using Dynamic Source Routing (DSR) Protocol". Journal Name: International Conference for Advancement in Technology (ICONAT)-2023,IEEE-Xplore.

DOI: <https://ieeexplore.ieee.org/search/searchresult.js?newsearch=true&contentType=conferences&queryT ext=H%20Venkatesh%20Kumar>

April 6, 2023

- **Hanuma Jayanthi Celebrations.**

Hanuman Jayanthi was celebrated on 6th March 2023 at Main Block. Dr. S G Gopala Krishna, Director, NGI and Dr. B V Ravishankar, Principal along with all the Teaching and Non-Teaching Staff members graced the occasion.



- **E-Yantra Symposium at IIT Bombay.**

Dr. Rohith S, Associate Professor-ECE and 3rd Semester ECE students Mr. Sudanva, Prajwal, Ganesh have attended E-Yantra Symposium at IIT Bombay from 5th to 6th April 2023.





• Dr. Yogeesha H C attended NAAC Approved Two days Seminar

Dr. Yogeesha H C, Associate Director (IQAC) & Professor and Head, Mechanical Engineering Department has participated in the NAAC approved two days seminar on "Strategies for Quality Improvement in Higher Educational Institutions" on April 5th and 6th 2023 organized by Internal Quality Assurance Cell (IQAC), R.M.K. college of Engineering and Technology.



April 8, 2023

• Invited Talk by Dr.Syed Naimathulla Hussain.

Dr. Syed Naimathulla Hussain, Professor and HOD, CSE (Data Science) has participated as a Resource person in the five days Faculty Development Programme on "Leveraging Research Challenges in Information Technology for Teaching Learning Process" during 3rd to 8th April 2023 at Presidency University.



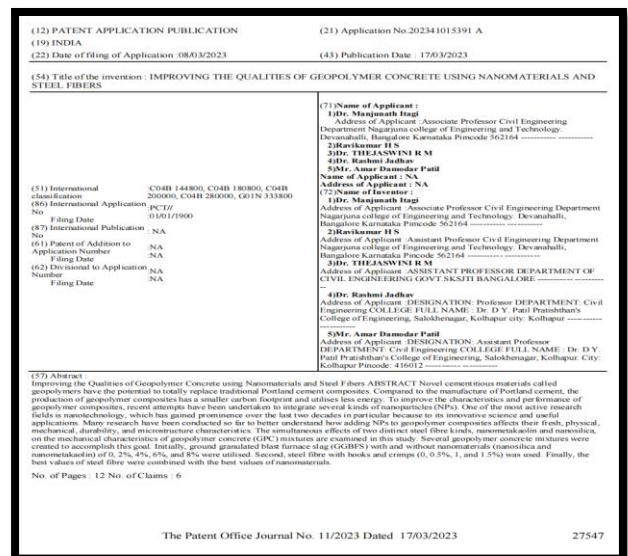
April 10, 2023

• Mr. Yadu Prasad C and Dr. H.Venkatesh Kumar of ECE Department have published a Journal paper

Mr.Yadu Prasad C, student and Dr. H.Venkatesh Kumar, Professor, Department of ECE have published a paper in CIMS ("Computer Integrated Manufacturing Systems") journal Q2 journal, titled "Telemedicine by Narrow Band NB-IoT". DOI: <http://cimsjournal.com/index.php/CN/article/view/812>.

• Dr. Manjunath Itagi, Mr. Ravikumar H S and Ms. Thanusha Patel, Department of Civil Engineering published a patent.

Dr. Manjunath Itagi, Associate Professor, Mr. Ravikumar H S, Assistant Professor and Ms. Thanusha Patel, Assistant Professor, Department of Civil Engineering have published a patent titled "Experimental Analysis Of Strength and Durability Characteristics of Bacterial Concrete", Application No-202341017517.

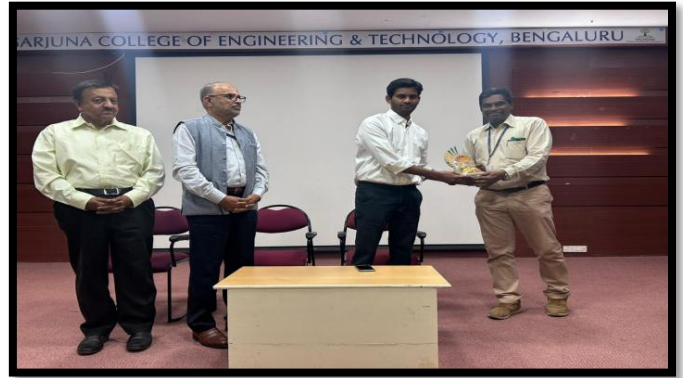
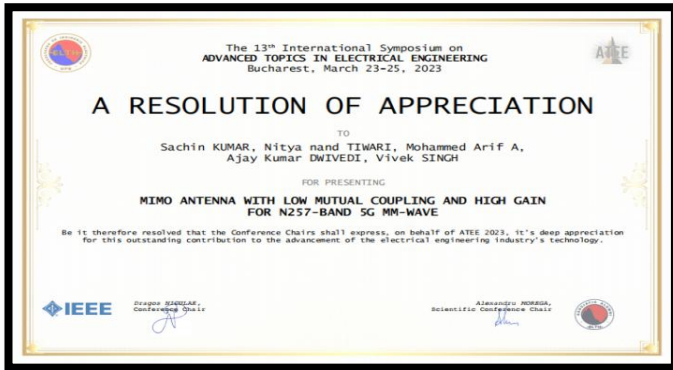


April 12, 2023

• Paper of BE Final year ECE students have been accepted for publication in IEEE, Romania.

The paper of BE Final year ECE students Mr. Romania S. Kumar, Mr. N. Tiwari, Mr. M. Asif, Mr. and A.K Dwivedi, V. Singh, has been accepted for publication in IEEE, "Dual Port MIMO Antenna with High Isolation", International Symposium on Advanced Topics in Electrical Engineering (ATEE),

Politehnica University of Bucharest, Romania (2023)".



April 14, 2023

• Dr. Anil Kannur, Dr. Syed Naimathulla Hussain, Dr. Sindhu D V and Mr. Arun Kumar S have published an Indian Design Patent.

Dr. Anil Kannur, HOD-CSE, Dr. Syed Naimathulla Hussain, HOD-CSE(Data Science), and Mr. Arun Kumar S have published an Indian patent design titled "An Intelligent Antitheft Device For Electrical Vehicle" on 14th April 2023, Journal No 15/2023, Application No-352805-001.



April 19, 2023

• KSCST sanctioned project grants for academic year 2022-23.

Seven KSCST Project proposals were accepted for grants during the academic year 2022-23. EC:2 projects, Civil: 3 Projects and ISE: 2 Projects. The sanction letter was received on 19th April 2023.

April 13, 2023

• ISE students Project Exhibition in 7th National Level Techno Exhibition.

ISE students along exhibited their projects in 7th National Level Techno Exhibition held at Dr. AIT, Bengaluru on 13th April 2023.



• Recognition to the faculty members for their research work.

Mr. Chaithanya Varma, CEO, Nagarjuna Education Society has distributed monetary benefits to the faculty members as recognition for their research work and also presented appreciation memento for coordinators of VTU Youth Fest Yuvothsava 2023.



Sl. No.	Project Title	Department	Faculty	Value
861.	TREATMENT OF SOAP AND DETERGENT INDUSTRIAL WASTEWATER BY BIO-SYNTHESIZED COPPER NANO-PARTICLES	B.E. CIVIL ENGINEERING	MS VIDYASHREE MG	3,000.00
862.	PERFORMANCE EVALUATION OF CORROSION INHIBITOR ON PROPERTIES OF STEEL REINFORCEMENT EMBEDDED IN CONCRETE SUBJECTED TO AGGRESSIVE ENVIRONMENT.	B.E. CIVIL ENGINEERING	DR.NAGARAJ V K PROF.DEEPIKA N M	3,000.00
863.	HYDROPHOBICITY IMPROVEMENT OF ALKALI ACTIVATED COMPOSITES WITH SACCHARUM OFFICINARUM AND AEGLE MARMELLOS AS NATURAL WATER PROOFING AGENT	B.E. CIVIL ENGINEERING	DR. NAGARAJ V K	3,000.00
864.	MACHINE LEARNING BASED MONITORING OPTIMAL LOCALIZATION AND TREATMENT OF HEPATOCELLULAR CARCINOMA USING MICROWAVE ANTENNA SENSOR FOR POST COVID-19 PATIENT	B.E. ELECTRONICS AND COMMUNICATION ENGINEERING	DR. AJAY KUMAR DIVEDI	5,000.00
865.	IOT BASED AUTOMATIC WIRELESS SIREN USING ARDUINO CONTROLLER	B.E. ELECTRONICS AND COMMUNICATION ENGINEERING	SREENIVASULU K N	6,000.00
866.	SYNERGETIC FRAMEWORK FOR EYEBALL SCIENCE AND GESTURE RECOGNITION USING AI	B.E. INFORMATION SCIENCE AND ENGINEERING	MR. MOHAN DN	5,000.00
867.	CAPTURE-TO-DISPLAY DELAY MEASUREMENT SYSTEM IN VIDEO COMMUNICATION	B.E. INFORMATION SCIENCE AND ENGINEERING	DR. SYED NAMATULLA HUSSAIN	5,000.00

April 21, 2023

- Dr. Amaresh Gunge participated in one week FDP.

Dr. Amaesh Gunge, Assistant Professor, Department of Mechanical Engineering has participated in one week Faculty Development Programme on "Innovation in Engineering Arena connected with Industry 4.0" during 17-21 April, 2023 organized by RLJIT, Doddaballapur.



April 22, 2023

- Participation of Faculty members in Online Learning Session on Importance of Accreditation and Ranking of Institutions in NEP 2020.

Mr. Chinmay Prakash, Assistant Professor, Department of MBA and Dr. Yogeesh H C, Associate Director-IQAC & Prof and Head, Department of Mechanical Engineering have attended the Online Learning Session on Importance of Accreditation and Ranking of Institutions in NEP 2020 organized Disciplines India Learning Forum.



April 24, 2023

- Meeting of Board of Studies of Department of Civil Engineering.

Department of Civil Engineering has organized the meeting of Board of Studies to discuss the curriculum design and development for the academic year 2023-23.

April 25, 2023

- Guest Lecture organized by MBA department.

MBA department in Association with IQAC and IIC organized Guest lecture on "Sabka Vikas Sabka Prayas what does it mean to you as youth?" by Ms. Prashanti Goswami, Public relation Officer, SSS Prashanti Bala Mandira Trust at Seminar Hall, Main Block.



April 27, 2023

• Workshop on IPR activities and IP Management at Higher Educational Institutions.

On account of World Intellectual Property Rights Day, Institution's Innovation Council(IIC) in association with KAPILA, NCET-KSCST IP Cell and IQAC organized Workshop on "IPR activities and IP Management at Higher Educational Institutions" by Dr. Gopalakrishnan K, Secretary General, University Space Engineering Consortium (UNISEC) India. Convenor, 75 students Satellite Consortium: Mission 2022, Advisor- R&D, NCET, Bengaluru. More than 120 students and Faculty members actively participated in the event.



• Meeting of Board of Studies of Department of Electronics and Communication Engineering on 27.04.2023.

Department of Electronics and Communication Engineering has organized the meeting of Board of

Studies to discuss the curriculum design and development for the academic year 2023-23. The meeting was held on 27.04.23 at 10.30 AM. Dr.Dinesha P, VTU Nominee and Professor, Dept of ECE, Dayanand Sagar College of Engineering, Mr. Karthik Kandasamy, Expert from Industry nominated by Academic Council , Dr. NAGESH KN, Chairman-BOS and Prof & HOD-ECE, Members of the BOS and staff members attended the meeting.



April 28, 2023

• Dr. Ajay Kumar Dwivedi and Dr. Vivek Singh published a Journal Paper.

Dr. Ajay Kumar Dwivedi, Associate Professor, and Dr Vivek Singh, Associate Professor, Department of ECE have published a Journal paper titled "Dual Port MIMO Antenna with High Isolation and High Gain for n257-Band 5G Millimeter Wave". Journal name: "IEEE 13th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Politehnica University of Bucharest, Romania, Publication Type: IEEE Xplore

indexed in Scopus & Web of Science. Country: Politehnica University of Bucharest, Romania
URL: <https://ieeexplore.ieee.org/document/10108208>

• Participation of Faculty members in World IP Day Webinar on Women and IP: Accelerating Innovation and Creativity.

Mr. Chinmay Prakash, Assistant Professor, Department of MBA has attended World IP Day Webinar on Women and IP: Accelerating Innovation and Creativity organized by Turnip Innovations.



April 29, 2023

• Distinguished Alumni Talk on Effective People Management Skills.

Department of MBA in association with NCET Alumni Association has organized Distinguished Alumni Talk on “Effective People Management Skills” by Mr. Hemanth K C (2020 batch MBA Alumni), Assistant Manager, HR Department, Reliance Myjio Stores, Bengaluru on 29th April 2023.



• Meeting of Board of Studies of MBA.

Department of MBA has organized the meeting of Board of Studies to discuss the curriculum design and development for the academic year 2023-23.



• Dr. Rohith S, has been recognized as Reviewer for IEEE International Conferences.

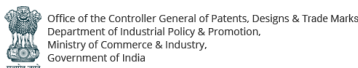
Dr. Rohith S, Associate Professor, Department of ECE has been recognized as the reviewer for two IEEE International conferences i.e. ICICACS-2023-IEEE International Conference on Integrated Circuits and Communications Systems hosted by SLN College of Engineering, Raichur and ICRTEC-2023-International Conference on Recent Trends in Electronics and Communication Engineering hosted by NIE, Mysore.





- Dr. Yogeesh H C, Associate Director-IQAC & Prof & Head, Department of Mechanical Engineering has published a patent.

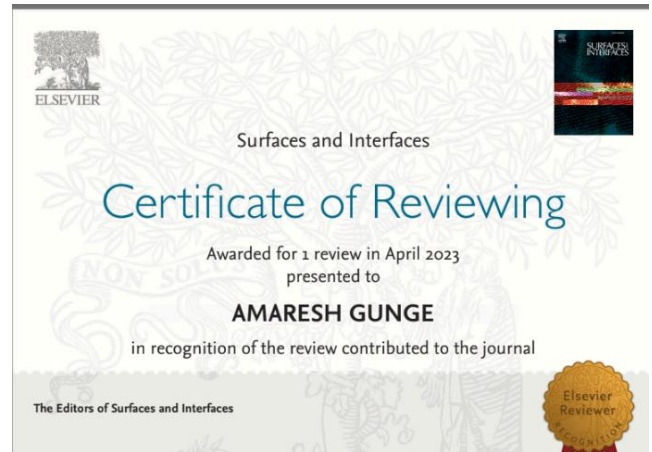
Dr. Yogeesh H C, Associate Director-IQAC & Prof & Head, Department of Mechanical Engineering has published a patent titled "An IoT Based Clean Energy Driven Lighting System". Application Number: 202241076117.



Application Details	
APPLICATION NUMBER	202241076117
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/12/2022
APPLICANT NAME	1. Gururaja Sharma 2. Dr. Yogeesh H C 3. Avinash S 4. REVA University
TITLE OF INVENTION	An IoT Based Clean Energy Driven Lighting System
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	gururaj.t@reva.edu.in
ADDITIONAL-EMAIL (As Per Record)	iprcell@reva.edu.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	06/01/2023

- Dr. Amaresh Gunge, Assistant Professor, Department of Mechanical Engineering has been recognized as Reviewer for ELSEVIER Journal

Dr. Amaresh Gunge, Assistant Professor, Department of Mechanical Engineering has been recognized as the reviewer as Reviewer for Journal Surfaces and Interfaces (ELSEVIER Journal) Impact Factor: 6.137.



- Following faculty and staff members have successfully completed their NPTEL Course and received the course completion certificates.

Sl. No	NAME	DEPT	COURSE NAME
1.	Ms. <u>Naghma Anjum</u>	ECE	<u>Nano Technology in Agriculture</u>
2.	Mr. <u>Vijaykumar M Patil</u>	ME	<u>Design Thinking – A Primer</u>
3.	Mr. <u>Balaji Y S</u>	ME	<u>Design Thinking – A Primer</u>
4.	Dr. <u>Nagaraj V K</u>	CV	<u>Introduction to Lean Construction (Module 1 - Lean basics)</u>
5.	Ms. <u>Pushpa S</u>	ECE	<u>CMOS Digital VLSI Design</u>
6.	Ms. <u>Prathima N</u>	ECE	<u>CMOS Digital VLSI Design</u>