

# FACULTY ACHIEVEMENTS

**JAN 2024 – SEPT 2024**



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# Faculties published Books

## Faculties published Books

- 1 Dr. R. Jayagowri, Associate Professor, Department of Electronics and Communication Engineering co-authored 2nd edition of book titled, **'STATIC TIMING ANALYSIS FOR VLSI CIRCUITS'** published by MEDTECH, A division of Scientific International Pvt. Ltd., New Delhi with ISBN :978-81-965445-6-0.



- 2 Dr.S.Lalitha,Dr.K.N.Madhusudan,Dr.H.R.Archana, Assistant Professors in the Department of Electronics and Communication Engineering co-authored a book titled, **'IMAGE PROCESSING USING MATLAB HANDBOOK'** published by Hexagon 5D Technologies Publications with ISBN: 978-81-958382-4-0.



**Faculties patents granted**

# Faculties with patents granted.

1 Dr. Vasundhara Patel K S, Professor, Department of Electronics and Communication Engineering has been granted Patent for the invention titled, ‘Cap less Low Dropout Regulator with Programmable Output Voltage’.

**पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India**  
**पेटेंट प्रमाण पत्र | Patent Certificate**  
**पेटेंट नियमावली का नियम 74 (Rule 74 of The Patents Rules)**

**पेटेंट सं. / Patent No.** 511966  
**आवेदन सं. / Application No.** 201941045363  
**फाइल करने की तारीख / Date of Filing** 07/11/2019  
**पेटेंटी / Patentee** B.M.S. College of Engineering

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकरित **CAPLESS LOW DROPOUT REGULATOR WITH PROGRAMMABLE OUTPUT VOLTAGE** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख नवम्बर 2019 के सातवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled **CAPLESS LOW DROPOUT REGULATOR WITH PROGRAMMABLE OUTPUT VOLTAGE** as disclosed in the above mentioned application for the term of 20 years from the 7<sup>th</sup> day of November 2019 in accordance with the provisions of the Patents Act, 1970.

Faculties delivered talks outside the college

## Faculties delivered talks outside the college

- 1 Dr. Surendra H H and Dr. Archana H R, Assistant Professors, were invited as resource person to deliver a talk on **'Professional Communication'** such as **effective communication, learning skills, public speaking, body language and etiquettes, reading, critical thinking and technical writing** for the student of Dayanand Sagar University, Bangalore.





## Faculties delivered talks outside the college

2

Dr. Rajanikanth K N, Associate Professor, Department of Electronics and Communication Engineering conducted a **one-day workshop** on '**Robotics**' for the final year students of ECE Dept., organized by Government CPC Polytechnic Mysuru. About 75 students from the department attended the workshop.



## Faculties delivered talks outside the college

- 3 Dr. K P Lakshmi, Professor, Department of Electronics and Communication Engineering was **invited to deliver a talk** on **'Sensors for Health Diagnosis'** in a two-day workshop on **'Introduction to Composite Materials and their Applications'** organized by RNS Institute of Technology, Bengaluru.



**RNS Institute of Technology**  
ESTD - 2001

**CENTRE OF EXCELLENCE IN  
MATERIAL SCIENCE AND DEVICES**

**Two-day workshop  
on  
INTRODUCTION TO COMPOSITE MATERIALS AND THEIR APPLICATIONS**

**Resource Persons**

 <b>Dr. R Ganesan</b> Principal Research Scientist Dept. of Physics IISc, Bengaluru	 <b>Dr. K P Lakshmi</b> Professor, Dept. of ECE BMSC, Bengaluru	 <b>Dr. Murugendrapa M V</b> Associate Professor, Dept. of Physics BMSC, Bengaluru	 <b>Dr. Mahaveer D Kurkuri</b> Associate Director, CFM Jain University, Bengaluru
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**FEBRUARY 23-24, 2024** **HI-TECH LAB, 3RD FLOOR  
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Vision: To be a World Class Research & Development Hub in the field of Material Science & Devices

    



Faculties served as session chair

# Faculties served as session chair

1 Dr. K N Madhusudan, Assistant Professor, Department of Electronics and Communication Engineering was invited as **'Session Chair'** at The International Conference on Distributed Computing and Optimization Techniques (ICDCOT-2024) organized by SJB Institute of Technology, Bengaluru.



2 Dr. Rajath Vasudevamurthy, Assistant professor, department of electronics and communication engineering was invited as a **'session chair'** to chair **two sessions** at the 10th international conference on electronics, Computing and communication technologies, IEEE CONECCT 2024 organized by IEEE Bangalore section at IISC, Bangalore.



## Faculties served as session chair

3 Dr. R. Jayagowri, Professor, Department of Electronics and Communication Engineering was invited as **'Tutorial co-chair'** and **'IEEE Liason'** for the **8th edition of International Test conference-India, 2024** held from 21st -23rd of July 2024 at Radison Blu, Marathahalli Ring road, Bangalore.

4 Dr. Poornima G, Associate Professor, Department of Electronics and Communication Engineering was invited as a **'Session Coordinator'** for the one-week FDP and Workshop on the topic **'Contemporary Research Practices: Innovations and Methodologies for Effective Outcomes'** jointly organized by AMIEE and CMAOI Association held from 23rd -27th of September 2024 at Guru Nanak Institutions, Telangana, India



Faculties published book chapters

## Faculties published book chapters

- 1 September 20, 2024: Mrs. Shrisha M R, Assistant Professor, Department of Electronics and Communication Engineering along with Mr. Sauransh Singh, Mr. Ruchir Kumar Kadwey, Mr. Shrey Srivatsava and Mr. Shikhar Singh students of ECE department published a book chapter titled '**Machine Learning based Parkinson Disease Detection using Voice and Handwriting Analysis**' in the of Book Machine Learning for Real World Applications, Springer publications, DOI: [https://doi.org/10.1007/978-981-97-1900-6\\_9](https://doi.org/10.1007/978-981-97-1900-6_9).
- 2 Dr. Veena M B, Associate Professor, Department of Electronics and Communication Engineering and Mr. Gagan Bagewadi, PG student from the department, published a book chapter titled '**Identification of Plant Leaf Disease Using Synthetic Data Augmentation ProGAN to Improve the Performance of Deep learning Models**' in Springer Nature Singapore Pte Ltd. 2024 D. Asirvatham etal (eds.), Evolutionary Artificial Intelligence, Algorithms for Intelligent Systems. [https://link.springer.com/chapter/10.1007/978-981-99-8438-1\\_14](https://link.springer.com/chapter/10.1007/978-981-99-8438-1_14)

## Faculties published book chapters

- 3 Dr. Veena M B, Professor, and Mrs. Monika Sharma D, Assistant Professor, Department of Electronics and Communication Engineering published a book chapter titled '**Design and Implementation of Five Port Label Switched NoC Router Using FPGA**' in ICT: Applications and Social Interfaces, Lecture Notes in Networks and Systems (LNNS, Volume 908), Springer Nature Singapore Pte Ltd. 2024. DOI: [https://doi.org/10.1007/978-981-97-0210-7\\_5](https://doi.org/10.1007/978-981-97-0210-7_5).



**Faculties awarded with “Best Paper Award”**

## Faculties awarded with “Best Paper Award”

- 1 Dr. R. Jayagowri, Associate Professor, Department of Electronics and Communication Engineering and Ms. Roohum Jegan, Ph. D student presented a paper titled ‘**Enhancing Voice Disorder Detection Using Deep Transfer Learning Feature Fusion**’ and won the **Best Paper Award** in the IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2024) held from March 14th -16th of 2024 organized by ABV- IITM Gwalior, India, in collaboration with the IEEE MP Section.

**Faculties served as Judge, Jury members**

## Faculties served as Judge, Jury members

- 1 Dr. Shachi P, Assistant Professor, Department of Electronics and Communication Engineering was invited as one the 'Judges' in Hackathon event '**EDU-VITALITY**' organized by IEEE-ComSoc, RVCE in collaboration with IEEE ComSoc Bangalore Chapter, and Intel Technology India.



- 2 Dr. Madhusudan K N, Assistant Professor, Department of Electronics and Communication Engineering was invited as 'Jury' for the '**Technical Paper Presentation and Line Follower**' in the Technical fest 'GETOCS' organized by the Dept., of ECE, Gopalan College of Engineering and Management, Bangalore.

