

**FACULTY
ACHIEVEMENTS**

2020

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| 1 | Faculties received Grants for their Research Projects. |
| 2 | Faculties received awards/ recognitions / appreciations. |
| 3 | Faculties served as Publications Chair & IEEE transaction. |
| 4 | Faculties invited as resource persons to deliver Talks / Expert lectures. |
| 5 | Faculties granted with patents. |
| 6 | Faculty interaction with the outside world. |

FACULTIES RECEIVED GRANTS FOR THEIR RESEARCH PROJECTS

SL.NO	DESCRIPTION
1	Dr. Suma. M.N, Professor and Dr. Rajanikanth Kashi, Assoc. Professor, Received VTU Research Projects-COVID 19 grants of Rs.50,000/- for the project titled " IOT enabled Smart Sanitizer Vending Machine ".
2	Dr. Lakshmi K.P, Professor had submitted a project proposal titled " Fabrication and Characterization of Thin Films for Sensors, NV memory and Waveguide Applications ", in the domain of Metallurgical & Materials Engineering and has been selected for VGST - K-Fist L1 funding with an amount of Rs.15Lakhs . Dr. Maligi Anantha Sunil, Asst. Prof. is associated as the CO-PI for the project.
3	Dr. Maligi Anantha Sunil, Asst Prof., project titled " Fabrication of Copper based quaternary chalcogenide semiconductors for photovoltaic applications " has been approved by the Science and Engineering Research Board (SERB) for funding under Teachers Associate ship for Research Excellence (TARE) for the period of 3 years.

FACULTIES RECEIVED AWARDS/
RECOGNITIONS / APPRECIATIONS.

FACULTIES RECEIVED AWARDS/RECOGNITIONS/APPRECIATIONS.

- 1 Dr. Poornima.G, Assoc. Prof. earned **Excellent grade** in two-week Online Faculty Development Programme on “**ICT Tools for Teaching, Learning Process and Institute**” jointly organized by Electronics and ICT Academies held from 10th - 21st August, 2020 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
- 2 Dr. Suma M.N, Professor, successfully completed all the requirements for completion of the programme and has earned an **Excellent grade** in “**Machine Learning for Computer Vision**” jointly organized by Electronics and ICT Academies during June 29 - July 8, 2020 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
- 3 Dr. Suma M N, Professor -ECE & Dr. Rajeshwari M Hegde, Professor-EITE has won the '**Certificate of Excellence**' for their work-let under **Samsung PRISM**. The team has won a prize money of \$900.
- 4 Dr. Nagabhushana B S, & Dr. Akhila. S, Professor and a team of 5 students has won the '**Certificate of Excellence**' for their work-let under **Samsung PRISM**. The team has won a prize money of \$900.

**FACULTIES SERVED AS PUBLICATIONS
CHAIR & IEEE TRANSACTION**

PUBLICATIONS CHAIR :

Dr. Rajath Vasudevamurthy, Asst Prof., Department of Electronics and Communication Engineering served as the **Publications Chair for the 9th IEEE International Conference on Cloud Computing in Emerging Markets (CCEM) 2020** which was held online from 4th to 7th November, 2020.

IEEE TRANSACTION:

Dr. Jayagowri.R, Assoc.Professor, Kavya Bhat,PG Scholar, got their research paper titled "**Descending Order Thermal Distribution Partitioning Algorithm for Flip-Chip Packaged 3-D ICs to Improve Heat Sinking and Reduce TSV Count**" in **IEEE Transactions on Components, Packaging and Manufacturing Technology,DOI:10.1109/TCPMT.2020.3003503.**

FACULTIES INVITED AS RESOURCE
PERSONS TO DELIVER TALKS /
EXPERT LECTURES.

SL.NO	FACULTY	ACHIEVEMENTS
1	Dr. Maligi Anantha Sunil, Assistant Professor	Invited as a resource person to deliver a talk on “Fabrication of AgInS ₂ /ZnS Heterojunction solar cells using Physical and Chemical Methods”, in a National workshop on Advanced Analytical Techniques in Materials Science at the University of Calicut, Kerala.
2	Dr. Seshachalam.D, Professor	Invited as session resource person in the VTU-TEQIP1.3 sponsored training program on “OBE and NBA Accreditation” at DON BOSCO Institute of Technology, Kumbalagodu, B’lore.
3	Dr. Seshachalam.D, Professor	Invited as resource person in the faculty development program on “OBE” at Department of Mechanical Engineering, BMSCE, B’lore.
4	Dr. Geetishree Mishra, Assistant Professor	Handled sessions on “Deep learning and Neural network”, “Training a Neural network (Single/Multilayer Perceptron, Gradient Descent, Backward Propagation, vanishing gradient, optimization & Activation functions), Building regression and classification models with keras. Image Classifier with Tensorflow – Keras Hands on session” in a one week Faculty Development Program on "Recent Trends in Deep Learning and its Applications”, organised by dept. of CSE,BMSCE.

SL.NO	FACULTY	ACHIEVEMENTS
5	Mrs. Sanjana T & Mrs. Bhavana H T, Assistant Professor	Mrs. Sanjana T & Mrs. Bhavana H T handled a session on “Comparison of different tools, Frameworks and Libraries available for Deep learning” in a one week Faculty Development Program on "Recent Trends in Deep Learning and its Applications" , organised by dept. of CSE,BMSCE
6	Dr. Sudhindra K.R, Associate Professor	Invited to deliver a talk on "Trends in Mobile Technology" , at FET MJP Rohailkhand University, Bareilly, U.P.
7	Dr. Geetishree Mishra, Assistant Professor	Delivered a Technical talk on "ARM Cortex M3 hands-on LPC1768" for UG 6th Semester EC students of B.M.S Evening College of Engg.,B'lore.
8	Dr. Geetishree Mishra, Assistant Professor	Delivered a talk on "ARM Cortex SoC for Embedded Applications" under IEEE-SSIT, Bangalore Section for UG-6th Semester EC students & 4th semester CS students of B.M.S Evening College of Engineering, Bangalore.
9	Dr. B. S. Nagabhushana, Professor	Invited resource person for a webinar "Battery Management system challenges and state of the art" , organized by RNS Institute of Technology, Bangalore.
10	Mr.Harish V Mekali, Asst. Professor	Invited resource person for the WEBINAR on 'ARM Processors' organized by Vivekananda Institute of Technology, Bangalore.

SL.NO	FACULTY	ACHIEVEMENTS
11	Dr. Sudhindra K R, Dr. Geetishree Mishra.	Delivered their technical talk in a one-week online Faculty Development Program on “IoT and Data Analytics: an End to End perspective” , organised By the Dept. of ECE and CSE, BMSCE, B’lore.
12	Dr. Seshachalam, D, Professor	Invited as a resource person to deliver a talk on “Course articulation and Program Articulation Matrix” at JNTU Hyderabad under TEQIP III for IQAC.
13	Dr. Nagabhushana B.S, Professor	Invited as a Guest speaker for the Webinar on "Battery Management Systems" as part of FDP titled "Alternate Fuels" organized by Don Bosco Institute of Technology, Bangalore under the aegis of AICTE-ATAL.
14	Dr. Seshachalam, Professor	Invited as a Guest speaker on “Rubrics design and development” through online for NIITR, Chandigarh under Margad15arshak scheme of AICTE.
15	Dr. Poornima G, Assoc. Prof.	Invited as guest speaker and delivered a talk on “Assessments of Program Outcomes” in the webinar organised by Karpagam Institute of Technology, Coimbatore.

SL.NO	FACULTY	ACHIEVEMENT
16	Dr. Rajath Vasudevamurthy , Asst Prof.	Invited as a resource person to deliver a series of four talks at the two-week online Student Induction Programme organized by AICTE for the first year engineering students all over India. The programme was attended by more than 800 participants spanning students, faculty and few parents and was also webcast live on YouTube.
17	Dr. Rajath Vasudevamurthy, Asst. Prof.	Invited to deliver a talk on "Applications of Analog and Digital Electronics" , organized by the Department of Computer Science and Engineering (Through Google Meet platform) at JSS Academy of Technical Education, Bengaluru.

FACULTIES GRANTED WITH PATENTS

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SL. NO	FACULTIES	DESCRIPTION
1	Mrs. S Lalitha, Mr. H.H. Surendra, Mrs. H. R. Archana, Mr. K. N.Madhusudhan, Asst. Professors	Granted patent titled "AUTOMATIC DIABETIC RETINOPATHY DETECTION AND ESTIMATION FROM MULTISPECTRAL IMAGES USING MACHINE LEARNING ALGORITHMS" Australian Patent , application number: 2020100868, Patent application type: Innovation, Validity till: 2022-05-28.
2	Dr. R. Jayagowri, Associate Professor, Ms. Maithri. U. K. Shetty (PG-VLSI Student now Alumni)	The Indian patent is granted for the invention entitled "1 PIXEL / 1 CLOCK THROUGHPUT MODIFIED MEDIAN ADAPTIVE PREDICTOR FOR VESA DSC ENCODER" for the term of 20 years with the Patent number 347212.

FACULTY INTERACTION WITH THE OUTSIDE WORLD

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- 1 Dr. Rajath Vasudevamurthy, Assistant Professor, Invited by the **IEEE Cloud Computing in Emerging Markets (CCEM)** Organizing committee to be a Mentor at the Pre-Conference at the Oterra Hotel, Electronic City, Bengaluru, to review short-listed student project proposals and provide constructive feedback.
- 2 Dr. Seshachalam, D, Professor, invited as a Jury for **Smart India Hackathon (SIH-2020) at MLRIT, Hyderabad, Telangana**, a National level event conducted by AICTE for 3days.
- 3 Mrs. Hemavathi, Asst Prof., as a department coordinator for higher education provided Career counselling to 3rd year under graduate students in association with Career Labs and received a **"CERTIFICATE OF APPRECIATION"** from Career Labs in Partnership with BYJU'S, in recognition of the efforts and support extended for the year 2020-2021.