Chief Patrons

Dr. B. S. Ragini Narayan, Donor Trustee, BMSET

Dr. P. Dayananda Pai, Chairman, BoG, BMSCE

Patrons

Dr. B. V. Ravishankar, Principal, BMSCE

Dr. S. Muralidhara, Vice-Principal, BMSCE

Organizing Chair

Dr. Arathi R. Shankar,
Associate Professor & HoD, Dept. of ECE, BMSCE

Co-ordinators

Dr. Maligi Anantha Sunil, Assistant Professor
Email: sunil.ece@bmsce.ac.in
Mobile: +91-9480773444

Dr. Rajath Vasudevamurthy, Assistant Professor
Email: rajathv.ece@bmsce.ac.in
Mobile: +91-7259520557

Registration

Registration fee: Rs. 500/- to be paid to the following
Bank Account:
Account No: 20274180376
Account Name: HOD-ECE
Bank Name: Indian Bank (Allahabad Bank)
B.M.S.C.E Campus, Hanumanthnagar, Bengaluru 560019.
IFSC Code: ALLA0212011

Interested participants are requested to register by filling out the following Google form:
`https://forms.gle/YFk8ETnvRe6qNxfQ9`

Last Date for Registration: 4th July 2020
E-certificates will be provided to all the participants who attend the programme.

B. M. S. College of Engineering

Autonomous Institute under VTU

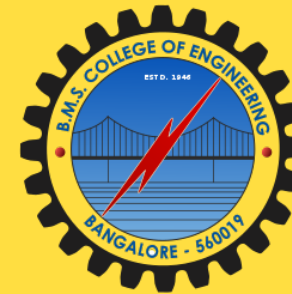**Accredited by NAAC with A++ grade**

presents

**Two-week Online
Faculty Development Programme**
on

Applied Data Science

6th July – 17th July, 2020

Organized by

**Department of Electronics and
Communication Engineering**
in association with

**The Institution of
Electronics and Telecommunication
Engineers (IETE)**
Bangalore Centre

About the Institution

B.M.S. College of Engineering, Bengaluru has the unique distinction of being the first private engineering college established in the country in 1946. The institution owes its existence to the foresight and vision of its beloved founders, Late *Śrī* B. M. Sreenivasaiah and his illustrious son *Śrī* B. S. Narayan. Imparting quality education and training was the founder's vision for the development of skilled and competent engineers who will go on to become the workforce for the benefit of national prosperity.

The college initially started with three undergraduate programmes in 1946 and currently offers thirteen undergraduate and fifteen postgraduate programmes in conventional and emerging fields. In addition, the college also offers PhD programmes in fourteen of its departments which are recognized as research centers by the University, and is also approved as QIP Centre in Engineering and Technology by AICTE. The college maintains high academic quality standards, the certification by the National Assessment and Accreditation Council (NAAC) and National Board of Accreditation (NBA) bearing testimony for the same. In fact it is the first few institutions in the India to be bestowed with NBA in Tier-I Format (Washington Accord) in the year 2013. The institute is accredited by National Assessment and Accreditation Council (NAAC) with highest grade of A++ in the second Cycle with a CGPA of 3.83 on a scale of four. The institution is a proud recipient of TEQIP-III (World Bank Funded Project) after successful participation in TEQIP-I and II Projects. BMSCE is the only partner institution in the country with the Melton Foundation, USA which promotes cross-cultural learning for selected students along with peers from five other countries and is one of the most preferred higher educational destinations for students all across the country and also attracts students from South Asian and African countries.

About the Department

The department of Electronics and Communication Engineering (ECE) of BMSCE was established in 1971 with an initial intake of 60 students to the Under Graduate (UG) program and enhanced to an intake of 120 students from 1983 and 180 students from 2018. The department offers three Postgraduate Programmes: "M. Tech. Electronics" from 1986, "M. Tech. Digital Communication Engineering" from 1996 with an intake of 18 students and "M. Tech. VLSI Design & Embedded Systems" from 2014 with an intake of 24 students. The department is also a recognized Research Centre (RC) by VTU from 2002 and is a recognized Quality Improvement Programme (QIP) center by the AICTE from 2011. With these activities on-hand, the overall objective of the department is to contribute significantly to the realization of the vision of BMSCE. The department is accredited by NBA for 6 years under TIER-I from 2017 to 2023. The department has a long tradition of excellence in educating, mentoring, and inspiring future technology leaders and researchers in the area of Electronics and Communication Engineering.

About IETE

The Institution of Electronics and Telecommunication Engineers (IETE) is the national apex body of professional engineers dedicated to promote the science and technology of Electronics, Telecommunications, Computers, Information Technology and allied areas. Established in 1953, IETE serves more over 50,000 members, both individuals and organizations/industries from India and abroad. IETE conducts various short-term courses, workshops and seminars to keep the aspiring professionals from Industry and R & D organizations involved in production and research in frontier areas of technology. The Bangalore center of IETE is one of the most active centers of the Institution striving to achieve the motto "*Saha vīryaṃ karavāvahe*" (let us do great things together).

About the programme

Data is being touted as the new 'oil' which can trigger the next revolution in technology and as a result, 'data science' is attracting a lot of attention for study and research. Naturally with this situation, researchers are exploring various applications of artificial intelligence and machine learning to various interesting and emerging fields. This programme aims to introduce the participants to the varied applications of data science to electronics and allied engineering streams such as chip design, communication systems, material science, navigation of autonomous vehicles, efficient computing, efficient implementation of machine learning algorithms, and the like. The course will be useful for faculty of engineering and science streams who are interested in learning the recent trends in data science and their applications; and for research scholars who want to pursue their research in areas related to data science.

Schedule of the programme

The online sessions will be held on weekdays from 2:00 PM to 4:00 PM from 6th July to 17th July 2020 on Webex. The meeting link will be provided to the registered participants.

Resource Persons

The following resource persons have given their consent to deliver expert lectures in this programme:

1. **Dr. Phaneendra K. Yalavarthy**, Associate Professor, Department of Computational and Data Sciences, Indian Institute of Science, Bengaluru

2. **Dr. Phani Motamarri**, Assistant Professor, Department of Computational and Data Sciences, Indian Institute of Science, Bengaluru

3. **Dr. Konduri Aditya**, Assistant Professor, Department of Computational and Data Sciences, Indian Institute of Science, Bengaluru

4. **Dr. Bharath B. N.**, Assistant Professor, Department of Electrical Engineering, Indian Institute of Technology, Dharwad

5. **Dr. Pramod P. Udupa**, Staff Engineer/Researcher, Samsung Research, Bengaluru

6. **Dr. Sri Vallabha Deevi**, Lead Data Scientist, Tiger Analytics, Chennai

7. **Mihir Mody**, Distinguished Member of Technical Staff (DMTS), Texas Instruments, Bengaluru

8. **Narayan Prasad**, Chip Design Professional, Independent Technology Consultant