



**B.M.S. COLLEGE OF ENGINEERING  
(Autonomous Institute, Affiliated to VTU)**

**Accredited for 5 years by NBA from 2019 to 2024 and  
accredited by NAAC with grade of A++**



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**DEPARTMENT OF COMPUTER  
APPLICATIONS**

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Department of Computer Applications



**Programme Offered:** M.C.A (Autonomous Curriculum)

### **Vision**

*To emerge as a premier knowledge center for imparting education in Computer Applications.*

### **Mission**

- Empower students with knowledge, skills, and attitude to develop comprehensive Computer Applications through a well-defined curriculum and its effective implementation.
- Engage in research and consultancy which leads to publications/patents/start-ups.
- Enhance collaboration with Industry.

**Duration:** 2 years (Regular)

### **Eligibility criteria for the programme:**

- A candidate should have passed **Bachelor of Computer Applications or Bachelor Degree in Computer Science** or equivalent degree or passed **\*B.Sc / B.Com / B.A with Mathematics** at **10+2** level or at graduation level

*(\* A candidate should have passed the additional course or a bridge courses as per the norms of the concerned university)*

### **The qualifying exams for admission for the programme:**

Students should write Eligibility Test **PGCET / KMAT** conducted by Karnataka Examination Authority

### **Accreditation:**

- The MCA programme got accredited for 5 years from **2019 to 2024** by **NBA**. It is a prestigious quality recognition awarded by National Board of Accreditation for the MCA programme.
- BMSCE 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. (This is valid from 28.03.2019 to 28.03.2024)

#### **Contact Details**

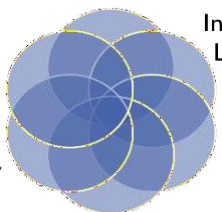
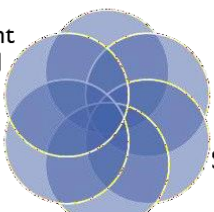
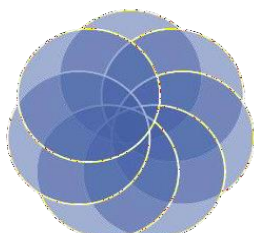
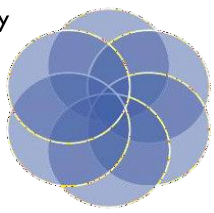
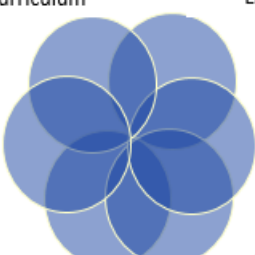
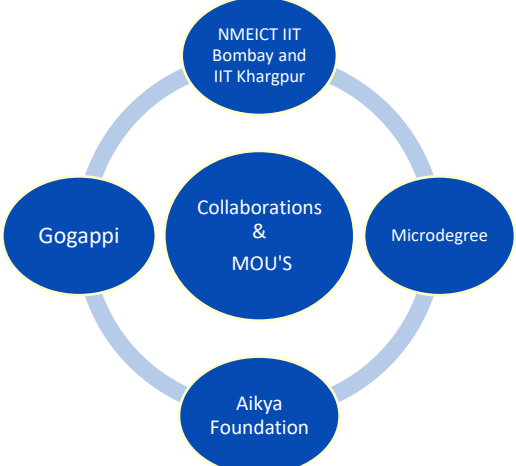
**Department of Computer Applications**

**B. M. S. College of Engineering, Bangalore-19**

**Email to: [hod.mca@bmsce.ac.in](mailto:hod.mca@bmsce.ac.in)**

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<p align="center"><b><i>DISTINGUISHED FEATURES</i></b></p> <p align="center">NMEICT Remote Center (IITB) Facility to implement MHRD Project (Started in 2012)</p> <p>Outreach Activities</p> <p>Contemporary Curriculum</p> <p>Professional Body Activities (IEEE/WIE)</p>  <p>Innovation Cluster Lab (ICL) Facility (Started in 2014)</p> <p>Data Analytics Research Lab (Started in 2016)</p>	<p align="center"><b><i>BEST PRACTICES</i></b></p> <p>Hackathons</p> <p>Active Learning(Student Centric) based TLP</p> <p>Student Mentoring System</p> <p>Remedial Classes for Slow Learners</p>  <p>Project Based Learning</p> <p>Student Feedback for Improved learning</p>
<p align="center"><b><i>CURRICULUM COMPONENTS</i></b></p> <p>Non Credited Mandatory Courses</p> <p>Internships and Projects</p> <p>HSS/Mgmt. Courses</p> <p>Mathematics</p>  <p>Core Courses</p> <p>Electives (Emerging Technologies)</p> <p>Lab Courses</p>	<p align="center"><b><i>TEACHING LEARNING PROCESS</i></b></p> <p>Seminars, Presentations</p> <p>Partial Delivery from Industry Personnel</p> <p>Blended Learning Methods (MOOCS)</p> <p>Tutorials, Think Pair Share</p>  <p>Hands-on demos</p> <p>Open ended Experiments</p>
<p align="center"><b><i>UNIQUE FEATURES</i></b></p> <p>Updated Curriculum</p> <p>Experienced Faculty</p> <p>R&amp;D Labs</p>  <p>Exclusive Library</p> <p>Industry Collaboration</p> <p>State-of-the art infrastructure</p>	<p align="center"><b><i>COLLABORATIONS AND MOU'S</i></b></p>  <p>NMEICT IIT Bombay and IIT Khargpur</p> <p>Gogappi</p> <p>Collaborations &amp; MOU'S</p> <p>Aikya Foundation</p> <p>Microdegree</p>

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## Infrastructure, Research labs, and Placement Details

<b>INFRASTRUCTURE (Library, Lab, Seminar Hall and Classroom)</b>	 <b>Department Library</b> (Volumes 6666, Titles:1724)	 <b>Computer Lab: 121 systems</b> (i7-4470, 1TB HDD, 8GB RAM)	 <b>Seminar Hall with AV and Recording facility</b>
			
	 <b>Innovation Cluster Lab (ICL)</b>		 <b>Data Analytics Research Lab (DARL)</b>
<b>RESEARCH LABS</b>			
<b>PLACEMENT</b> ( Most of the Eligible Students get placed)			

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## Glimpses of Student Activities

<b>Value Added Course on Machine Learning/ Data Science and Software Testing from Industry Personnel</b>			
<b>Extra-Curricular Activities</b>	 <p><b>Mr. Rohan R</b>, MCA student bagged Best Paper Award in IEEE International Conference- ICOMBI-2020</p>	 <p><b>Mr. Nishanth Bhat</b>, MCA student was invited to judge the Web Prism, at SDM College, Mangalore.</p>	 <p><b>Mr. Shashank</b>, MCA student bagged second prize in Freeze Frame event organized by Christ University</p>
<b>Talk by Alumni</b>	 <p><b>"GRAD TALK"</b>. by Alumnus Mr. Sunil Kantilal, and Mr. Shekhar Technical Specialist, Data Architect, Standard Chartered Global Solutions</p>	 <p><b>"Git-All what you need"</b> by Akshay K Ashok, Alumnus of MCA Department, Software Engineer at Ignitairum</p>	 <p><b>"Indian Music Experience"</b> Manasi Prasad, Director of the Indian Music Experience, India's first interactive music museum.</p>

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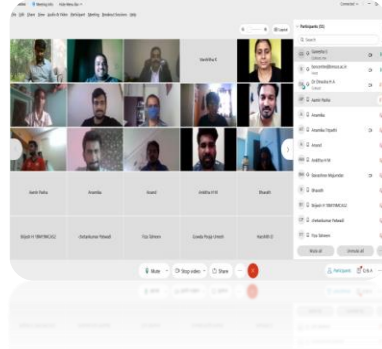
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*Co-Curricular Activities*



Webinar on "Understanding Blockchain, Cryptocurrency, and Smart Contracts" delivered by Mr. Girish Nuli, Founder Infibrigde Inc



Webinar on "Cyber forensic intelligence demonstration" by Dr. Dinesha H A, Founder & Director, Cybersena (R&D) India Private Limited

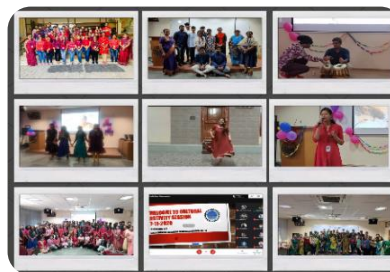


Talk on "Career in Technical Communication" by Sandhya Ranganathan, Section Manager, HP Enterprise

*Professional Body and Societal activities (BMSCE IEEE-WIE-SB, Placement Cell, and IIIC)*



Workshop on "Effective Resume Writing and Interview Skills" delivered by Vidya Ramprasad, Freelance Trainer in Soft Skill



Women's Day Activities by BMSCE IEEE WIE-AG



Workshop on "UXUI" session handled by Ms. Shilpa Joshi and Mr. Kiran Corporate Trainers SILICA Institute, Bengaluru

*Students participation and interaction with industry*



Students participation in CISCO Women Rock IT-2018



Students participation in IEEE WiE Affinity group at WinTechCon-2018, a one day Women's Technical Conference



Students participation in Women in Data Science event at SAP Labs in Whitefield Bangalore

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<p><b>Societal Activities</b> <i>(in association with AIKYA)</i></p>			
<p><b>Cultural activities</b></p>			
<p><b>Student Merit Scholarship</b></p>			
<p><b>Placement Club activities</b></p>			

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### *FACULTY DETAILS*

	<p>Dr. S. Uma Associate Prof. &amp; Head</p> <p>Area of Interest: Service oriented Architecture, Multi agent systems, Data science</p>		<p>Dr. D.N. Sujatha Professor</p> <p>Area of Interest: Mobile adhoc networks, Internet of Things, Vehicular Networks</p>
	<p>Mr. P. Lakshminarayana Associate Professor</p> <p>Area of Interest: Software Engineering</p>		<p>Dr. K. Vijayakumar Associate Professor</p> <p>Area of Interest: Data Mining and Machine Learning</p>
	<p>Dr. Ch. Ram Mohan Reddy Associate Professor</p> <p>Area of Interest: Web Services, Software Performance Engineering and related areas</p>		<p>Mrs. T.S. Pushpa Assistant Professor</p> <p>Area of Interest: Data Mining and Data Analytics</p>
	<p>Mr. K. Girish Assistant Professor</p> <p>Area of Interest: Video-on-Demand, Intelligent Transport System, Internet of Things and Machine Learning</p>		<p>Mrs. K. P. Shailaja Assistant Professor</p> <p>Area of Interest: Data Mining and Data Analytics</p>
	<p>Mr. R.V. Raghavendra Rao Assistant Professor</p> <p>Area of Interest: Data Mining, Data Analytics</p>		<p>Mrs. S. Shilpa Assistant Professor</p> <p>Area of Interest: Data Mining and Data Analytics</p>
	<p>Mrs. V. Padmapriya Assistant Professor</p> <p>Area of Interest: Vehicular Ad Hoc Networks, IoT</p>		<p>Mr. Siva Rama Krishna Assistant Professor</p> <p>Area of Interest: Software Engineering, Cloud Computing</p>

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