Vision
To emerge as a premier knowledge center for imparting computing education inculcating human values to solve global challenges.

Mission
- To empower students with knowledge, skills and attitude to develop comprehensive computing solutions that address the needs of academia, industry and society.
- To excel in education, research, consultancy and industry collaboration.

Programme Educational Objectives
Post Graduates of this programme will
- Demonstrate professional excellence in industry, public service or academia with strong skills in problem analysis, solution design and application development with a commitment to lifelong learning.
- Practice their profession with high standards of ethics.
- Be committed to work in teams with different cultures and disciplines and evolve as leaders in their roles

Contact Details
E-mail: mca_office@bmsce.ac.in
Website: www.bmsce.in/department/computer-applications
About the College

B.M.S. College of Engineering (BMSCE) was founded in the year 1946 by late Sri. B. M. Sreenivasaiah a great visionary and philanthropist and nurtured by his illustrious son Late Sri. B. S. Narayan. BMSCE is the first private sector initiative in engineering education in India. BMSCE has completed 70 years of dedicated service in the field of Engineering Education. 15 of its departments are recognized as Research Centers offering Ph.D./M.Sc. (Engineering by Research) Degrees in Science, Engineering, Architecture and Management. The Institution is affiliated to Visvesvaraya Technological University (VTU), Belgaum, Karnataka. BMSCE is a AICTE recognized QIP Centre in Engineering & Technology. BMSCE is the only Institution from India adopted by the Melton Foundation, USA. BMSCE IS TEQIP Phase I and Phase II Institute (a world bank project).

BMSCE is accredited with ‘A’ Grade by NAAC (2013-2018) and many programmes got accredited by National Board of Accreditation (NBA), New Delhi. More than 90% of the students secure first class/distinction. The Institution has an excellent Placement and Recruitment Cell. The Placement Centre provides career guidance, pre-placement training in soft skills to enable students acquainted with the current corporate requirements. More than 100 reputed Core/IT/MNC companies visit the campus every year for recruiting students from various branches. About 90% of the eligible students are getting placed every year. The College has a voluminous computerized library and information centre, which caters to the needs of students, research scholars and faculty.

The Institution has well-qualified, experienced & dedicated faculty and staff members. BMSCE has the most advanced laboratories for practical training, state-of-the-art computing facilities, spacious classrooms with good furniture and A/V aids, Wi-Fi campus and 24x7 Internet facilities in the departments and hostels. The Institution has Collaborative & Extension activities by way of MOUs with various Governmental and Non-Governmental organizations for fostering Academic/Research/Innovation. The College is being ranked consistently among the top 20 Engineering Colleges in the Country by surveys conducted by various media sources.
About the Department

The Department of Computer Applications was established in 1985, initially with an intake of 30 students and the department admits 60 students for MCA programme (3yrs.) every year at present. From the academic year 1998-99, the college is affiliated to Visvesvaraya Technological University, Belgaum. The department offers MCA programme with autonomous curriculum with effect from 2016 - 2017. The department has a blend of qualified and dedicated faculty members to its credit. The department has an advanced computer lab equipped with networked high-end computers, to provide state-of-the-art computing facilities to the students and staff. In addition to the main library of the College, the department has full-fledged library with about 1600 books and reference materials.

The department has pioneered in building a strong relation with the industry that has helped the department in conducting various seminars on latest technologies, industrial visits and Entrepreneurship Development workshops for the benefit of students and staff. The department also provides live projects and guidance to the students through Innovative Cluster Lab (ICL) which is part of MOU between BMSCE and Altimetrik, thus helping the students in their campus recruitment. The Data Analytics Research Lab (DARL) of the department provides an opportunity to derive hidden knowledge from variety of data sets. The students of the department, over the

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## Infrastructure

Programming Laboratory (with 110 modern PCs)  
Server Room  
Department Library  
Department Office  
Class Rooms with LCD Projectors (3 Nos.)  
Faculty Rooms (6 Nos.)  
HOD Room  
Faculty Development Centre (Seminar Hall)  
Innovation Cluster Lab (ICL)  
Data Analytics Research Lab (DARL)

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<td>No. of PCs</td>
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<td>Licensed Softwares</td>
<td>Oracle 9i; Microsoft Office 2010, 2013; Windows 7, 8.1, 10; Visual Studio .NET; Microsoft MSDN; COBOL 85; Rational Rose; Rational Software Architect</td>
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<td>Open Source Softwares</td>
<td>Ubuntu OS, Open GL, JDK 1.8, MySQL 5, Perl 5.12, PHP 5.2, Fedora 12, Apache, Tomcat 6, Eclipse-Juno, NS2, WAMP 5.5.</td>
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Teaching staff details
No. of Professors: 1  No. of Associate Professors: 3  No. of Assistant Professors: 8

Non-Teaching staff details
No. of Office Assistants: 1  No. of Library Staff Members: 2
No. of Laboratory Instructors/Assistants: 3  No. of Helpers/Attenders: 2

Extra / Co-Curricular Activities
To promote learning beyond classroom, the department promotes a wide spectrum of activities such as Extension Lecture series, Workshops, Industrial visits, Cultural/Technical fests (Utsav, Phaseshift), IEEE professional activities, Publishing magazine, Entrepreneurship development.
Teaching-Learning Process
It is based on lectures, tutorials, projects, quizzes, student seminars, mini projects, assignments, videos, hands-on sessions, open-ended experiments, self study component and other active learning methods.

Research
Faculty members are active in carrying out research work in the areas of Computer Networks, Performance Engineering, Distributed Systems, Reliability Engineering and Data mining. They published their research work in reputed International Conferences and Journals (E.g. Elsevier and Springer Journals).

Innovation Cluster Lab (ICL) : It was established in the year 2014 in collaboration with Altimetrik Technologies. It encourages students to develop IoT applications under the mentorship of industry experts. Some of the projects undertaken are: Swachh Bharath App, CONNECCT 2015 (Conference Management App), Health care App, Rich Ticketing App, Technochamp 2016 (IoT Ideathon), etc.

Data Analytics Research Lab (DARL) : It was established in the Year 2016. A UGC funded project on Teacher Recruitment Modeling was executed to propose various recommendations for recruitment of engineering teachers. It facilitates students to learn and apply data analytics to various data sets.

Proctor System
Every student is mentored by a faculty to address the various academic or other issues to promote overall development of a student. Each faculty member acts as a local guardian.

Awards
The College promotes Alumni awards, Merit awards to encourage and motivate the students to excel.
Faculty Profiles

Name: Dr. D N Sujatha  
Qualification: MCA, Ph.D.  
Experience: 23 Years  
Area of Interest: Video-on-demand Applications, Vehicular Ad Hoc Networks, Internet of Things

Name: Mr. Girish K  
Qualification: MCA, MS by Research  
Experience: 10 Years  

Name: Mr. P Lakshminarayana  
Qualification: MCA, pursuing Ph.D.  
Experience: 22 Years  
Area of Interest: Software Reliability

Name: Mrs. Shailaja K P  
Qualification: MCA, M.Phil.  
Experience: 14 Years  
Area of Interest: Data Mining

Name: Mrs. S Uma  
Qualification: MCA, M.Phil., pursuing Ph.D.  
Experience: 18 Years  
Area of Interest: Multi Agent System, Web Services

Name: Mr. Raghavendra Rao R V  
Qualification: MCA, M Phil.  
Experience: 16 Years  
Area of Interest: Cloud Computing

Name: Dr. K. Vijayakumar  
Qualification: MCA, Ph.D.  
Experience: 17 Years  
Area of Interest: Data Mining

Name: Mrs. S Shilpa  
Qualification: MCA, M.Phil.  
Experience: 11 Years  
Area of Interest: Data Mining

Name: Mrs. T S Pushpa  
Qualification: MCA, M.Phil.  
Experience: 17 Years  
Area of Interest: Data Mining

Name: Mrs. V Padmapriya  
Qualification: MCA, Pursuing Ph.D.  
Experience: 13 Years  
Area of Interest: Vehicular Ad hoc Networks

Name: Mr. Ch Rama Mohan Reddy  
Qualification: MCA, M.Phil., pursuing Ph.D.  
Experience: 16 Years  
Area of Interest: Software Performance Engg., Web Services, Distributed Systems

Name: Mr. Siva Rama Krishna  
Qualification: MCA  
Experience: 10 Years  
Area of Interest: Software Engineering.
Major achievements

- BMSCE team ‘CodemastersZs’ secured 14th rank in India, 250th worldwide in IEEE Extreme Competition 2013 with an MCA student as one of the team members.
- Published Research work in reputed Elsevier and Springer Journals and International Conferences.
- Executed a Major Research Project in data mining area funded by UGC.
- Signed MOU with IIT Mumbai to implement national wide NMEICT Project, sponsored by MHRD.
- Signed MOU with Novell Software.
- Signed NDA with “Enterprise Atlas Inc.” Boston, USA in 2014, to provide SAP Solutions.
- Obtained outstanding IEEE Branch Counselor Award and best IEEE Student Branch Award in 2013 under the mentorship of department faculty.

Campus Placement and Internships

Over 50 companies visit the College campus for recruiting MCA students. Some of the companies are: SAP Labs, TCS, DirectI, Cerner, Intel, JP Morgan, Accenture, Akamai, Robert Bosch, Deloitte, Amazon, Manhattan Associates, IBM, Software AG. Most of the students get employment/Internships during campus placements.