BMS Educational Trust ®

BMSIT&M
A BRAND
For Quality Education

BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(Autonomous Institute Affiliated to VTU)
Estd. in 2002, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi.

| 7 NBA ACCREDITED UG & PG PROGRAMMES | NIRF RANKING AT 152 DURING 2021 | ACCREDITED BY NAAC WITH 'A' GRADE | PLATINUM RATING BY AICTE - CII SURVEY |

FOUNDERS' VISION

Promoting Prosperity of Mankind by Augmenting Human Resource Capital through

Quality Education and Training

Dharmaprakasha Rajakaryaprasakta
Sri B. M. Sreenivasaiah
FOUNDER

Sri B. S. Narayan
FOUNDER, BMSET

THEY MADE HISTORY BY THEIR INDOMITABLE SPIRIT

The history of BMS institutions dates back to the year 1946. Late Sri B. M. Sreenivasaiah, a 'philantropist & visionary', realized the importance of technical education in the country. BMS College of Engineering, which he started in the year 1946, has the distinction of being the first private engineering college in the country. Sri B. M. Sreenivasaiah was conferred with the title 'Dharmaprakasha Rajakaryaprasakta' by the Maharaja of Mysore for his great service in the education sector. The inheritors of his legacy continue to cherish and uphold his vision and ideals.

After the demise of Sri B. M. Sreenivasaiah, his illustrious son Sri B. S. Narayan, a dynamic and enterprising personality, developed BMS College of Engineering into one of the finest engineering colleges. He was responsible for the creation of BMS Educational Trust (BMSET) under which he established other institutions of higher education including BMS College of Law, BMS College for Women and BMS Evening College of Engineering. He was instrumental in initiating several collaborative programs, such as cross cultural programs with M/s Melton Foundation & training foreign students under International Co-operation Division. After the demise of Sri B.S. Narayan, the affairs of the BMS Institutions are being effectively managed by The Council of Trustees appointed by Dr. B.S. Ragini Narayan, wife of Late Sri B. S. Narayan, the Chairperson, the Donor Trustee & Member Secretary of BMS Educational Trust.

BMSET COUNCIL OF TRUSTEES

Dr. B. S. Ragini Narayan
Educationist
Chairperson, Donor Trustee &
Member Secretary, BMSET

Dr. P. Dayananda Pai
Trustee, BMSET
Chairman, Board of Governors, BMSCE
Chairman, Century Group

Sri. Aviram Sharma
Trustee, BMSET
Chairman, Board of Governors, BMSIT&M

Sri. Ravi Venkatesam
Trustee, BMSET

Commissioner
Department of Collegiate Education, GoK
Trustee, BMSET (Ex-Officio)

DR. MOHAN BABU G. N
PRINCIPAL

Hello! Welcome to BMS Institute of Technology and Management (popularly, BMSIT), a part of highly reputed BMS group of institutions.

The "BMS" Brand has been the outcome of exemplary vision, meticulous effort, and undivided commitment of all stakeholders of BMS institutions over decades. Today, education at BMSIT is a dream of everyone who aspires to be a leader in engineering, simply because the institution has perfectly functional systems in place. BMSIT has perfectly synchronized its high-performing academic, personality development and administrative subsystems to produce competent engineers who can take on real-time challenges and continuously engages in improvement of these subsystems. As a feather in its cap, BMSIT is the first college in India under AICTE to start a new BE program in Artificial Intelligence and Machine Learning. The education at BMSIT is well aligned with the national goal of sustainable, equitable and inclusive economic development.

The Management of the institute has been very proactive in: (i) building world-class infrastructure, modern class rooms and state-of-the-art laboratories; (ii) allowing free hand to create exceptional human capital for teaching, research and extension services; and (iii) facilitating the creation of a conducive environment to nurture quality engineers and entrepreneurs. The lush green and serene campus of 21.5 acres is an ideal place for anyone to pursue academic, research and professional interests. The highly qualified, experienced, and competent faculty and staff members have dedicated themselves to implement in true spirits the Outcome- Based Education (OBE) which is the contemporary international standard of education. The faculty members' interest to work closely with students, and counsel to make them stress-free has no match. As a result, our students are industry and society-ready and it is reflected in their exceptional placement and internship opportunities. Further, more than 40 students have successfully pursued entrepreneurship while many others have pursued higher education in top QS ranked institutions across the globe. Our engagement with industries and businesses is quite broad and deep. The AICTE-CII survey of Indian educational institutions ranked BMSIT & M's industry engagement in the topmost Platinum category during 2019.

The institute is very ENVIRONMENT-FRIENDLY with captive sewage treatment plant, solar water heaters, rainwater harvesting systems, and 'minimum plastic use' policy. We are proud to claim that we are a Carbon-Negative campus. Hostel facilities are EXCEPTIONAL and known for high quality food, and HYGIENIC and healthy environment. The campus is completely ragging-free and safe for students. This OPPORTUNITY for sports and multi-cultural activities is enormous. Round-the-clock security, complete CCTV surveillance, high bandwidth campus-wide wi-fi network, 24x7 power supply, continuous housekeeping, well-maintained garden and transport system, all bear testimony to our commitment to provide the best lifestyle to BMSITians. What more one can ask for? It's a dream place for anyone to get transformed into a valuable engineer. It could be your or your ward's dream too. Welcome to BMSIT again!!!

ABOUT BMSIT&M

BMS Institute of Technology and Management was established in 2002 under the auspices of BMS Educational Trust, with the vision of establishing a premier technical institute on par with international standards. BMSIT&M offers Eight UG, Three PG programmes and Ph.D. / M.Sc. (Engg.) in all disciplines.

The Institute has qualified and experienced faculty members, technical and supporting staff members. The institute's well-equipped laboratories, good infrastructure, teaching - learning aids, etc. provide the right impetus to the growth of the students.

LOCATION

The lush green 21.5 acre campus of the institute is located on Doddaballapura Main Road, 5 km from Yelahanka town and within a radius of 10 km from Bengaluru International Airport.

VISION

To emerge as one of the finest technical institutions of higher learning, to develop engineering professionals who are technically competent, ethical and environment friendly for betterment of the society.

MISSION

Accomplish a stimulating learning environment through high quality academic instruction, innovation and industry institute interface.

GREEN CAMPUS

» Eco Friendly Campus with maximum Green Cover
» 3000+ trees, ornamental plants, fruit bearing plants, medicinal & bio-diesel plants, shrubs, etc. with 700 varieties
» Minimum plastic campus
» Rain water harvesting in all buildings
» Sewage treatment plant for recycling of water
» Recipient of best ornamental garden award for the last 5 consecutive years from Horticultural Department

UG COURSES OFFERED

	APPROVED INTAKE
Electronics and Communication Engineering (ECE)	180
Computer Science and Engineering (CSE)	180
Mechanical Engineering (ME)	60
Electrical and Electronics Engineering (EEE)	60
Electronics and Telecommunication Engineering (ETE)	60
Information Science and Engineering (ISE)	180
Civil Engineering (CV)	60
Artificial Intelligence and Machine Learning (AI & ML)	60

PG COURSES OFFERED

	APPROVED INTAKE
Master of Computer Applications (MCA)	60
M.Tech. – Computer Science & Engineering	18

CATEGORY OF ADMISSION

Common Entrance Test (CET)
conducted by Karnataka Examination Authority (KEA)

For details, Consult: www.kea.kar.nic.in

Consortium of Medical, Engineering & Dental Colleges of Karnataka (COMED-K)

For details, Consult: www.comedk.org

Management through Director (Administration)
BMS Educational Trust, Bengaluru

For details, Consult: +91 80 2661 4358

ELIGIBILITY* FOR ADMISSION TO UG COURSES

» Pre-University or XII standard or equivalent examinations Compulsory Subjects: Physics and Mathematics.
Optional subjects: Chemistry, Bio-Technology, Computer Science, Biology and Electronics.
» Minimum 45%* aggregate marks in Pre-University or XII standard or equivalent examinations.
» Minimum 40%* aggregate marks for SC/ST and other Backward Classes (As specified in the Government Order) in Pre-University or XII standard or equivalent examinations.
» For consideration under Management Seat, the candidate should have appeared for either CET or COMED-K and secured a   minimum of 60% marks in Pre-University or XII standard or equivalent examinations.

Eligibility criteria is as per the Government order applicable at the time of Admission.

CATEGORY OF ADMISSION

Common Entrance Test (PGCET)
conducted by Karnataka Examination Authority (KEA)

For details, Consult: www.kea.kar.nic.in

Common Entrance Test (KMAT) conducted by the association
of all colleges offering MCA courses.

For details, Consult: www.kmatindia.com

Management through Director (Administration)
BMS Educational Trust, Bengaluru

For details, Consult: +91 80 2661 4358

ELIGIBILITY* FOR ADMISSION TO PG COURSES

» Bachelor's degree in the relevant discipline with minimum 50%* of marks in aggregate.
» Minimum 45%* aggregate marks for SC/ST and other Backward Classes (As specified in the Government Order) in Bachelor's degree.
» For consideration under Management Seat, the candidate should have appeared for either PGCET or KMAT and secured a minimum of 60% marks in Bachelor's degree.

Eligibility criteria is as per the Government order applicable at the time of Admission.

RESEARCH & DEVELOPMENT CENTERS

The following Departments at BMSIT&M have been recognised as VTU Research Centers.
» Electronics and Communication Engineering
» Computer Science and Engineering
» Mechanical Engineering
» Electrical and Electronics Engineering
» Electronics and Telecommunication Engineering
» Information Science and Engineering
» Master of Computer Applications
» Physics
» Chemistry
» Mathematics

TEACHING - LEARNING SYSTEM

» Department Advisory Boards with industry experts and professors from IISc., IITs, NITs etc.
» Course delivery through modern technology
» Interactive classes with puzzles, quizzes, etc.
» Blended and co-operative learning classes
» Partial course delivery by external resource persons
» Project based learning
» Industry Internships for students
» Open Short Term Courses on new trends and technologies

INDUSTRIAL VISITS

Industrial visits give students an exposure to practical work situations and latest technologies. Students learn the best and innovative practices followed in industry during these visits.

INTERNSHIPS

Students are facilitated to undergo internship in industry to enhance their skills and be industry ready.

TECHNICAL TALKS

Experts from various organizations are invited to share their experience and deliver technical talks, which expose students to the latest technological developments.

ALUMNI MENTORING

The young alumni of institute visit regularly and interact, guide, mentor the students on career opportunities and industry perspectives.

TECH FORUMS / NEWSLETTERS

Tech Forums and clubs functioning in the college foster technical interest among students. These activities provide students a good platform to exhibit both technical and creative capabilities. Some of them are :

» TECHKSHETRA (ECE)
» CINNOVIL (CIV)
» INFINIUM (ISE)
» TEKRUTHI (TCE)
» SEMAPHORE (CSE)
» UTKHANANA (MECH)
» VIDYUTH (EEE)
» ANVAYA (MCA)

BMSIT&M UTSAHA

NSS, NCC AND CIVIL DEFENCE UNIT

» Regular Voluntary Blood Donation Camps
» Parades and special camping
» Visits to orphanage, old age homes, etc.
» Participation in Govt. Civil defence engagements

EMPLOYERS' MEET

In today's scenario, regular interaction between industry and institute is essential for the success of technical institutions. It influences the design of the curriculum, exposes the students to industrial atmosphere and plays an effective role in helping engineering graduates find placement in industries across the country and ignite their enterprising mindset. Hence, employers from different industry sectors are invited to have a productive interaction with the students and faculty members. They will enlight students about what is expected of them in industry.

STUDENT SUPPORT / EMPOWERMENT

» Faculty facilitators for First year Students
» Proctor System & Parent - Teacher Meetings
» Online Student Feedback system
» Fee concession and Scholarships, as applicable
» Book Bank Facility
» Group Medical Insurance
» SMS Based alerts - Attendance/IA Marks etc.
» Regular Interaction with Industry / Alumni
» Department / Institute level techno-cultural fests
» Student Clubs / Department Forums
» Department / Institute Newsletters
» Anti ragging squad
» CCTV Surveillance
» Personalty Development Training from 1st Year
» Professional Counseling
» Funding for select inter-disciplinary projects
» Employability Assessment tests
» Higher education facilitation center

LIBRARY

» Computerised Library
» Book Bank, DELNET, Reprographic facilities
» DSpace (IR), NPTEL
» Web - OPAC on Intranet
» 55,880+ Volumes; 100+Print Journals
» VTU consortium for e-resources
» Remote access to e-resources with 5,300+ e-journals
» Digital Library with 92 Nodes
» Language Laboratory

SPORTS & GYM

Events Organised
» Intra, Inter collegiate, Zonal VTU Tournaments
» Coaching camps   » Yoga
» Inter-class Sports events
» Sports competition for Hostelites
» Sports competition for staff members

Facilities
» Indoor Sports TT, Badminton, Carrom, Chess
» Outdoor Sports
   Football, Basketball, Volleyball, Cricket, Tennis
» Gym facility

TRANSPORT

» A fleet of 13 buses with GPS facility
» Safe, Reliable, & Student-friendly system
» Covers main locations of Bengaluru city

HOSTEL

» Girls Hostel in Yelahanka New Town
» Boys' hostels located within the campus
» Hostel for International Students
» Outsourced PG Facility
» Medical Centre - Doctor in Hostel
» RO water facility
» Gym Facility   » CCTV Surveillance
» Daily Housekeeping   » Reading Room
» E-Studio   » E-Yantra Lab

WI-FI

» Wi-Fi enabled campus
» 550 Mbps bandwidth
» Stand-by Internet Lab

MEDICAL FACILITY

» Ambulance 24x7
» Medical Insurance
» Medical Centre - Doctor in campus

ENTREPRENEURSHIP CELL / INNOVATION CENTRE / INCUBATION CENTRE

» Students encouraged to float ideas
» Access to High-end computing systems and software
» Interaction with Startup Experts, Alumni
» Idea Contests conduction
» Incubation facility
» MHRD Recognized Innovation Centre

MEMORANDA OF UNDERSTANDING (MoU)

BMSIT&M has signed MoU with the following companies to set up labs within the campus, enabling its students to carry out research projects, training them on emerging technologies and making them competent enough to perform well in the industry.
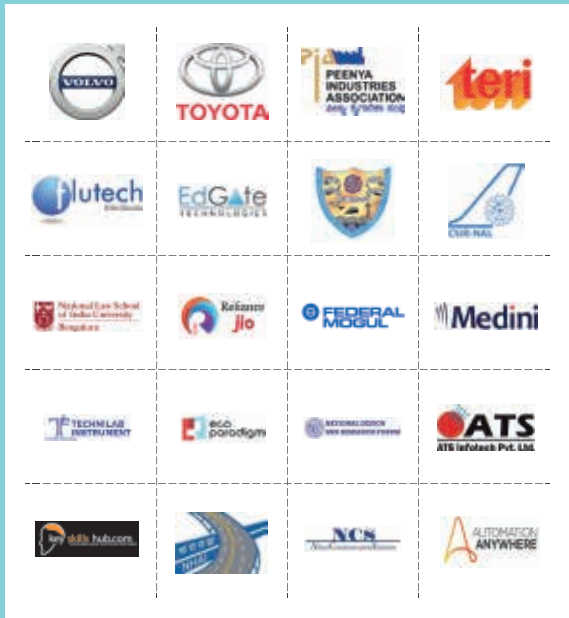
CAFETERIA

20 Years of Our Journey Towards **EXCELLENCE**

2002-03
» Institute established with 3 UG programmes - CSE, ECE, MECH
» Academic Block with G+1 floors built
» 9 Faculty Members with Ph.D

2003-04
» 2 UG programmes TCE, EEE and 1 PG (MCA) programme established
» Academic Block - 2nd and 3rd floor built
» First Melton Fellow from BMSIT&M

2004-05
» Placement Cell inaugurated
» Industry Institute Interaction initiated
» First Annual Magazine - Manthana published
» College Logo released
» VTU R&D Centres in Mech and Maths

2005-06
» First College fest - UTSAHA organised
» First Batch Students Passed out
» Placements to First Batch - 85%

2006-07
» VTU Rank
» NSS Chapter Started
» Alumni Association Inaugurated

2007-08
» 2 VTU Ranks and Gold Medal
» Open Amphi Theatre Inaugurated
» ISTE Chapter Inaugurated

2008-09
» 2 VTU Ranks
» KSCST Projects Submission

2009-10
» 3 VTU Ranks
» Student Satellite (STUDSAT) launched in association with ISRO
» CSE/ECE - Increase in intake to 90
» Asia University, Taiwan delegation visit

2010-11
» 4 VTU Ranks
» 50th Rank in India by Outlook Magazine
» BSN Block – G+2 Floors Built
» ISE Programme started

2011-12
» 51st Rank in India by Outlook Magazine
» 4 VTU Ranks
» Proctor System Implemented

2012-13
» 48th Rank in India by Outlook Magazine
» 4 VTU Ranks and Gold Medal
» BSN Block - 3rd Floor Built
» First Ph.D. from R&D Centre

2014-15
» 45th Rank in India by Outlook
» AAA Rating by Careers 360
» 2 M.Tech. Programmes started
» 2 VTU Ranks
» VTU Permanent Affiliation to OE, MECH, MCA Programmes
» Emerging Institute
» BSN Block - 4th and 5th Floor
» First Employers' Meet held
» OBE practices implemented
» Incubation centre started
» 29 Faculty members with Ph.D

2015-16
» 43rd Rank in India by Outlook
» AAA+ Rating by Careers 360
» 9 VTU Ranks and Gold Medals
» KPIT Promising Innovator Award
» CII Membership
» UGC 2(f) obtained
» Best IEEE Chapter
» Student excellence award by Dataquest
» Outstanding engineering institute-south by Vijayavani
» Startup Meets held
» TedX Event held
» Tech Transform conducted

2016-17
» NIRF - 95th in India, 8th Karnataka, 5th in Bengaluru
» NBA status to 5 UG programmes
» Prize for EkoCart in SAE competition
» Czech Republic delegation Visit
» Collaboration with ODU
» Laboratory Block - G+I Floors built
» Innovation Centre started
» VTU Permanent Affiliation to ECE, ICE, EEE
» 3th Employers Meet held
» 37 Faculty members with Ph.D

2017-18
» Accredited by NAAC Accredited with 'A' Grade
» NBA Accreditation for ISE, MCA
» Permanent affiliation to CSE, ECG, MECH, TCE, EEE, ISE MCA
» Buses fitted with GPS system
» CSE/ECE - Increase in intake to 180
» 43" Rank in India by Outlook Magazine
» AAAA Rating by Careers360 Magazine

2018-19
» ISE-Increase in intake to 120
» Ranked In Gold category by CII - AICTE survey
» Higher Education cell established
» 24x7 CCTV Surveillance installed
» Gym Facility at Hostel provided
» Scholarships from Alumni Association Initiated
» 58 Faculty members with Ph.D.
» NCSSS Institute Membership

2019-20
» AI&ML – UG Programme started
» Ranked in Platinum Category by CII-AICTE Survey
» NIRF – 169th Rank
» MHRD – Innovation Council Recognition
» 75 Faculty members with Ph.D.
» ISE – Increase in Intake to 180
» 7 VTU Ranks   » Online Classes

2020-21
» Autonomous Under VTU
» 10 VTU Ranks
» NIRF-152th Rank
» Honeywell centre of Excellence
» E-Studio
» Patents Filed-29
» E-Yantra Lab

INTERNATIONAL COLLABORATION

Distinguished professors from various foreign universities like ODU (Virginia), UNF (Florida), USD (South Dakota), OSU (Oregon) regularly visit BMSIT&M and interact with staff and students.

MELTON FOUNDATION

The Melton Foundation brings together talented youngsters of different cultures on to a common platform. It has five member countries viz. USA, China, Chile, Germany & India. BMSCE and BMSIT&M are the only institutes in India which are part of the Melton Foundation. 13 BMSIT&M students are fellows of Melton Foundation as on date.

STUDENTS' ACCOMPLISHMENTS

Students have Completed:
» Joint Research publications with faculty members
» Project POC development through Innovative Projects
  Civil - Highways, ETE - Evanesco project received many awards and also patented, Atal Yuvak

Students have Secured:
» VTU Ranks and Gold Medals
» Google Summer of Code scholarship
» Admission for Higher Education in QS Ranked Universities
» Best IEEE Students Chapter Award
» KSCST Project Funding
» Scholarships of a variety
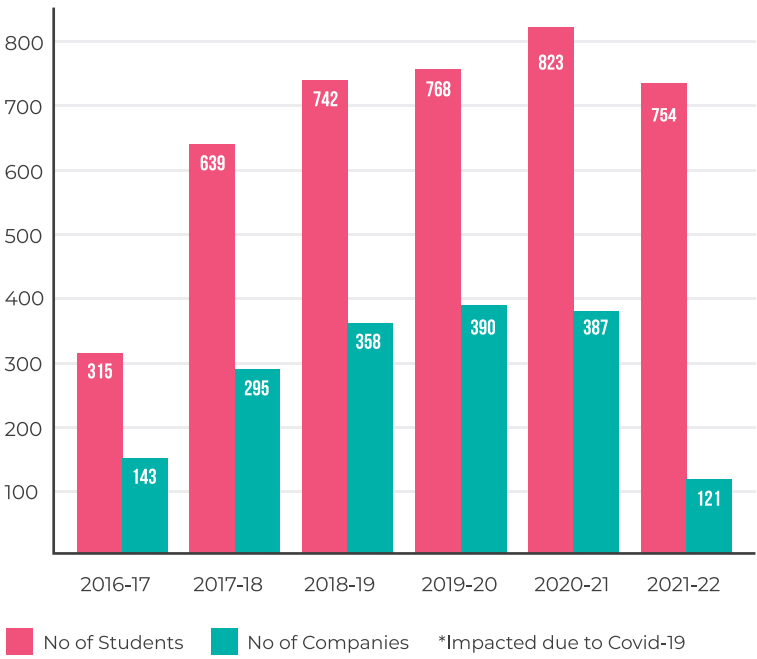» Technical / Cultural / Sports Awards (State and National Levels)

Students have Participated in:
» Pariksha pe charcha 2.0 with PM
» National and International Events & Quiz
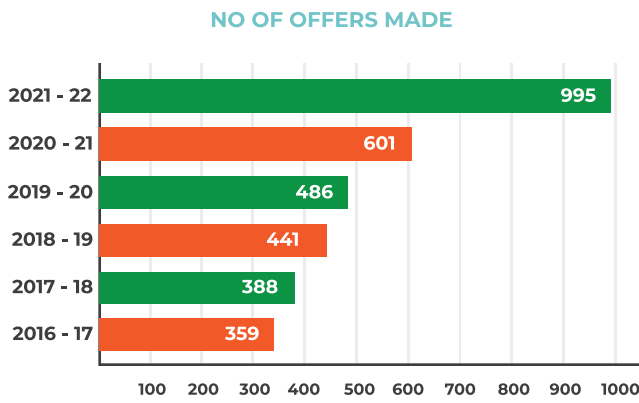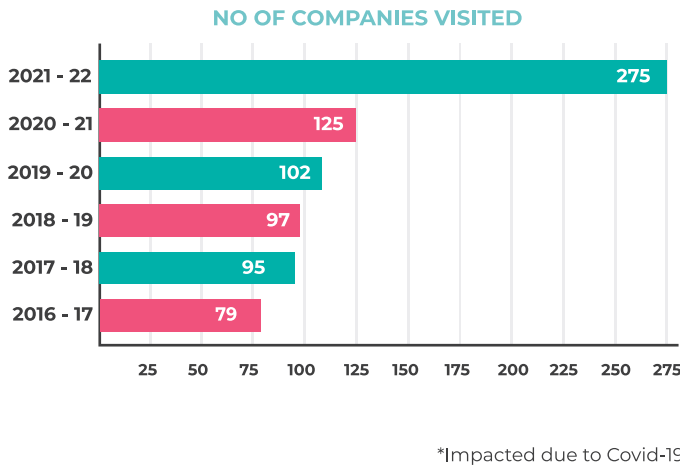
Students have Become:
» 46 Entrepreneurs

INTERNSHIPS

Legend: No of Students | No of Companies | *Impacted due to Covid-19

PLACEMENTS

The students of BMSIT&M are trained in soft skills such as personality development, group discussion, mock interview, aptitude etc. For complete details on placements, visit our website https://bmsit.ac.in. Alumni mentoring with focus on current industry trends, expectations, career prospects etc. is provided regularly.

Semester-wise Placement Training: Students' employability tests conducted by training partners help identifying the critical areas to be addressed. To strengthen this and to make students more industry ready, semester wise placement training is conducted for students from first year onwards.

NO OF COMPANIES VISITED

Year	No of Companies Visited
2021 - 22	275
2020 - 21	125
2019 - 20	102
2018 - 19	97
2017 - 18	95
2016 - 17	79

*Impacted due to Covid-19

NO OF OFFERS MADE

Year	No of Offers Made
2021 - 22	995
2020 - 21	601
2019 - 20	486
2018 - 19	441
2017 - 18	388
2016 - 17	359

The placement cell at BMSIT&M has seen a significant growth in the number of top recruiters visiting campus year on year. At present, around 90+ companies visit campus every year to hire students, offering competitive CTC ranging from 3 LPA to 26 LPA. The average salary being offered is between 5 LPA to 6 LPA.

SOME OF OUR TOP RECRUITERS .....


and many more...

EMPLOYERS ENDORSE

Mrs. Santhi Kaza
Director, CIS Cyber Security,
Cognizant

I have seen that the faculty at BMSIT&M are committed to bring the best out of students. Students seem to come with a well-rounded personality, laid on a strong technical foundation. Through well maintained, relevant facilities and meaningful events, they help a teenager grow into a full-fledged professional, ready for the industry.

Mr. Bhushit Joshipura
Test Engineer Director
Sonicwall

I have found BMSIT&M very methodical and proactive, as an organization. BMSIT&M students are also bright and pick up the technology with ease. Various innovative practices at BMSIT & M make the students industry-ready.
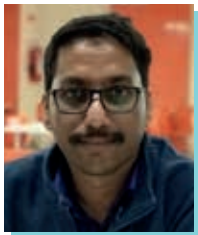
Mr. Carvalho Hitler
Talent Acquisition, Commscope

I have been in the Recruiting Profession and have seen many Institutes of various ranks (IIT, NIT, Tier 1 Colleges, B-Schools). Always rank, BMSIT&M one of the best colleges I have come ACROSS FOR THE QUALITY of students, their readiness to face the corporate world. Could see the Management and Staff always working on Self Improvement Model to ensure they give the best of the industry exposure to the future engineers of our Nation .

I am sure, days are not far where we will see more innovation coming from this institute and their alumni which will lead towards "Make in India" and "Aatma Nirbhar Bharat" vision.

ALUMNI TALK

Ms. Aishwarya Srikanth
Manager, Accenture
Batch of 2002-06, CSE

I was part of the first batch of Engineering at BMSIT&M. The footing given at BMSIT&M has allowed me to begin and sustain a successful and fulfilling career at the top IT firms in the world. The focus on the fundamentals, dedication of my professors to support and enable the students, has led to building a strong foundation and a stepping-stone to kick start my career in the IT industry.

The ethos of this institution helped me turn into a confident person with a go-getter attitude. I continue to cherish my association with this esteemed institution and wish all success and glory. I am forever proud to be a BMSIT'ian.

Mr. Aditya Srinivasan
Client Service Manager, Akamai Technologies
Batch of 2007-11, TCE

The BMSIT&M is the place where students find the perfect intersection of technology, knowledge and skill-based learning that is led by some of the finest minds in the country- all committed to help them strike out into the world as leaders of tomorrow. Bringing in their rich experiences from academia and industry, faculty members made my engineering journey exciting, fun and an enjoyable experience overall. In particular, my love for computer networks, networking and the distributed architecture of the internet was kindled during my years at BMSIT&M- a time and experience that I am incredibly proud about, and to teachers to whom I remain forever grateful. Thank you BMSIT&M.

STUDENTS SPEAK

Mr. Ananth Bhat
8th Sem, ECE

BMSIT&M has been a wonderful journey for me with loads of opportunities and learning. Be it skill development through projects, workshops and Hackathons or leadership opportunities in fests, placements, I would like to thank our faculty, the most supportive, at all times. Together, they provided the right guidance and made available the right resources when needed. The insights which I have gained will definitely influence my professional career as I embark into professional life soon.

Ms. Chandana N Swamy
6th Sem, Civil

From the time I entered into BMSIT &M, I have been involved in various activities, be it organising techno-cultural festivals, Teacher's day, Fresher's day, Graduation day s, Engineer's day etc. I have got all opportunities and a stage to showcase my talent, be it Singing, Dancing, photography.

The best experience BMSIT has given me is NCC !

Being the Student Placement Co-ordinator for Placement Cell has helped me not only to understand how the Industries function but also taught me to co-ordinate and communicate with students very well !

All these aspects of college have moulded me into an all -rounder.

PARENTS EXPRESS

Mr. Satyanarayana R Mudunuri
Parent of Mr.Thrivikram Mudunuri,
8th Sem, ISE

My son has graduated from BMSIT&M and I couldn't be more pleased with how the last 4 years have turned out for both my son as well as myself as a parent. I was immediately impressed when I visited this beautiful institute for the first time in 2016 and my opinion about the college hasn't waned even the slightest. I have frequented BMSIT&M quite a few times for annual fests, seminars, and parent-teacher meetings held every semester. The faculty, staff and management care about students' wellbeing and are keen on parents' participation in the development of their wards as well as the advancement of the institute. BMSIT&M's infrastructure and pedagogical practices have significantly contributed to my son's growth and success as an engineer. I thank BMSIT&M for providing well-rounded college experience.

Mr. J Arokiaraj, Mrs. C Jeya
Parents of Mr. A Arun Josephraj,
2nd Sem, AI&ML

We are very happy and proud to get an Engineering seat in AI&ML at BMSIT&M for our son. Since this was a new course, we had apprehension about it. The guidance given to us about the future prospects of AI&ML and the steps taken by the college to set up the new labs and other facilities, has cemented our choice. The teachers are very insightful, and their guidance helped my son get selected in the Melton Foundation. Melton fellowship has been a platform for him to interact with a lot of like-minded people around the world and share his views.

Helpful Information about

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

WHAT IS ARTIFICIAL INTELLIGENCE?

» It is the intelligence in machines which enables them to think, learn and behave like human beings.

» It is the ability of a computer or a computer controlled system to perform tasks commonly associated with intelligent beings.

» It includes developing systems endowed with the intellectual processes characteristic of humans such as ability to reason, interpret, learn and generalise from past experience.
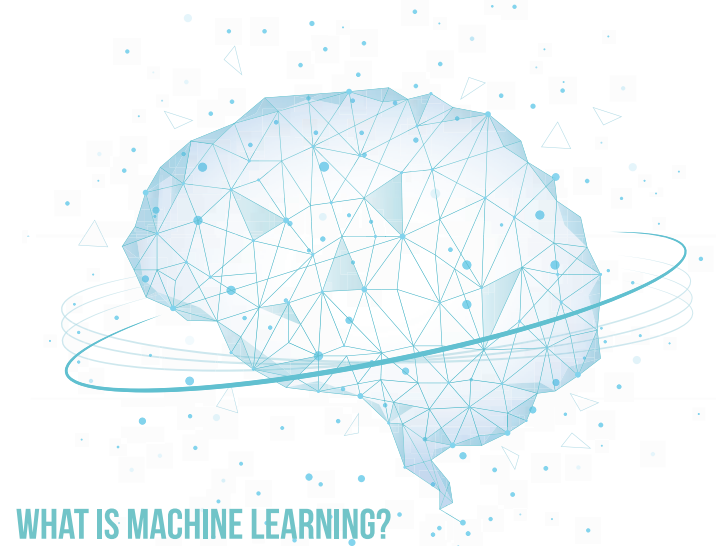
WHAT IS MACHINE LEARNING?

» The process through which systems learn things without being programmed to do so.

» It is a scientific study of algorithms and statistical models that computer systems use in order to perform a specific task effectively without using explicit instructions, relying on patterns and inference instead. It is seen as a subset of AI.

AI AND ML, THE NEXT DIGITAL FRONTIER

$40 BILLION spent by companies around the world in developing AI capabilities in 2016 - McKinsey Global Institute Report.

AI and ML is among the most sought after, highest paid and future secure digital economy skill.

60% RISE IN DEMAND for Artificial Intelligence and Machine Learning experts in 2018 - Kelly OCG Report.

76% of Indian companies feel the shortage of skilled professionals is slowing down their adoption of AI - Intel / IDC.

Whichever country leads the way in AI research will come to dominate global affairs. "Artificial intelligence is the future, not only for Russia, but for all humankind, It comes with colossal opportunities".

- Vladimir Putin, Russian President

APPLICATIONS OF ARTIFICIAL INTELLIGENCE

Artificial intelligence has numerous applications in today's industry, business & society. Some of the prominent application areas of AI include:

Healthcare: Better & faster diagnoses, Patient data mining for right treatment

Agriculture: Precision Agriculture, Satellite enabled crop management

Business: Chatbots for customer service, Predictive analytics for effective marketing

Manufacturing: Enhanced Quality control, Predictive maintenance of machinery, Process optimization, Boosting productivity, Efficient supply chain management

Transport: Self driving vehicles, Efficient traffic management, Auto-fuelling

Automobiles: For smarter and safe automobiles, Managing workflows, Efficient floor management

Finance: Better value for investment, fraud reduction and management

Education: Enhancing content learning, Student assessment, Grading automation

Aviation: Improving operational efficiency, Ensuring safe journey, Better customer satisfaction

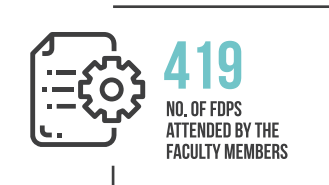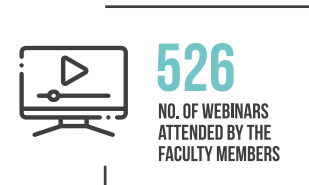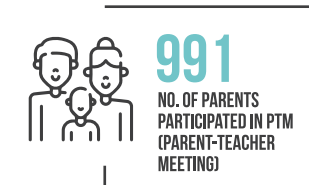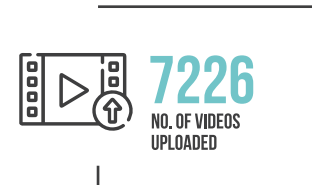**Crime Control:** Efficient face recognition, Crime prediction, crime reduction
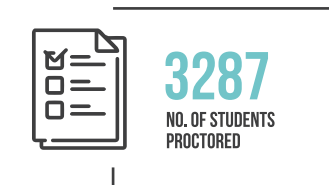
NOVEL INITIATIVES DURING COVID-19

INTERNATIONAL CONFERENCE

ACADEMIC ACTIVITIES DURING LOCKDOWN

8371 NO. OF ONLINE CLASSES CONDUCTED

5593 NO. OF MOOCS (BY STUDENTS)

371 NO. OF MOOCS (BY FACULTY MEMBERS)

3287 NO. OF STUDENTS PROCTORED

7226 NO. OF VIDEOS UPLOADED

991 NO. OF PARENTS PARTICIPATED IN PTM (PARENT-TEACHER MEETING)

526 NO. OF WEBINARS ATTENDED BY THE FACULTY MEMBERS

419 NO. OF FDPS ATTENDED BY THE FACULTY MEMBERS

PROFESSIONAL BODIES - INSTITUTION MEMBERSHIP
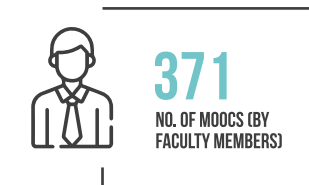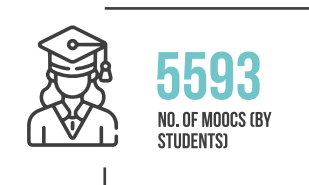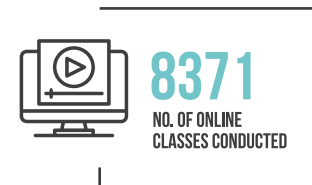
Industry - Institute interaction is paramount for an Engineering institution to be competitive and stay connected with its stake holders. In this direction, BMSIT&M has been actively engaged with eminent industry bodies and a few of them are listed below.

Confederation of Indian Industry (CII)
Karnataka - Panel for Manufacturing

Institute of Electrical and Electronics Engineers (IEEE)
For Scientific and Engineering Research activities

Smart Cities India (SCI) - For Multidisciplinary Engineering

National Cyber Safety and Security Standards (NCSSS)
To engage in the activities relating to creating awareness, providing services and conducting research on Cyber Safety and Security

The International Society of Automation (ISA)
For educating students and staff on Industrial Automation and providing services to the industry

Operational Research Society of India (ORSI)
For exchange of knowledge and application of Operations Research techniques

STUDENT CLUB ACTIVITIES @ BMSIT&M

What makes a student life in college all the more enjoyable is being a part of a community or club that provides a platform to share the passion and interests of its students. BMSIT&M provides platform for a wide range of clubs with social and technical interests. Some such student clubs are:

OIKOS - An active and buzzing Eco-Club with the prime objective to protect, preserve and balance our natural environment. This club creates awareness to staff and students on protecting our mother nature and gifting it to our future generations.

Quizcraft - The Quiz club takes pride in being one of the most proactive and popular yet young club among the student clubs of BMSIT&M. The primary objective of Quizcraft is to establish itself as one of the finest college quizzing clubs in the city and cultivate a great quizzing panorama in the institute.

The Programming Club - A Technical club at BMS Institute of Technology and Management which aims to promote programming all around campus. TPC aims at creating a base of strong fundamentals of basic programming by methods which are different than droning lectures. To keep things competitive and spirited, this club conducts events like Hackathons, Guest Lectures from Industrial Experts and much

BMSIT&M IN MEDIA

OUR SISTER INSTITUTIONS

BMS College of Engineering
Bull Temple Road, Bengaluru
www.bmsce.in

BMS College of Law
Bull Temple Road, Bengaluru
www.bmscl.ac.in

BMS PU College for Women
Buglerock Road, Bengaluru
www.bmscw.edu.in

BMS Degree College for Women
Buglerock Road, Bengaluru
www.bmscw.edu.in

BMS Evening College of Engineering
Bull Temple Road, Bengaluru
www.bmsece.in

BMS School of Architecture
Avalahalli, Yelahanka, Bengaluru
www.bmssa.ac.in

BMS Training & Research Institute
Bull Temple Road, Bengaluru

BMS Centre for Executive Education & Distance Learning
KL Road, V V Puram, Bengaluru
www.bmsceedl.com

BMS Evening College of Arts & Commerce (BMSEC)
Basavanagudi, Bengaluru
www.bmsec.ac.in

BMS College of Architecture
Bull Temple Road, Bengaluru
www.bmsca.org

BMS College of Commerce & Management
KL Road, VV Puram, Bengaluru
www.bmsccm.in

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