



M.B.M. ENGINEERING COLLEGE

Faculty of Engineering, Jai Narain Vyas University, Jodhpur

Department of Computer Science & Engineering

CSE | IT | MCA

PLACEMENT BROCHURE

Session 2021-2022



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

cse.mbm@jnvu.edu.in | fb.com/csembm

INTRODUCTION TO MBM

M.B.M. Engineering College, established on 15th August 1951 by the Government of Rajasthan, is one of the oldest engineering institutions in the country. Later in 1962, the college became a constituent faculty of Jai Narain Vyas University, Jodhpur. The college boasts of its high standards of education, prestigious legacy and a flourishing environment that caters for the overall development of its students, faculties and staff members. Located on a 98 acre campus situated within the 5 Km radius of all major landmarks of the Jodhpur City, the college is applauded for its vast infrastructure.



Main Administrative Building of M.B.M. Engineering College, Jodhpur

With a vision to cater to the growing needs of the society and industry, the institute has always been a pioneer in incorporating latest domains of engineering education and research. Currently, the institute offers 14 undergraduate, 25 postgraduate and 10 doctoral research programmes to the aspiring students. Several factors including good infrastructure, cutting-edge curriculum, reputed faculties, low educational costs and nourishing environment makes M.B.M. Engineering College a first choice for students within Rajasthan as well as from other states across the country.

The college is proud of its huge alumni base who have always excelled in their career and are contributing through top positions within industry, governmental bodies and academia. Many of them are also working as professors in IITs, IIMs and other prestigious technical institutions. The institute strives to maintain a culture and environment that enables our students to become responsible, ethical and true professionals.

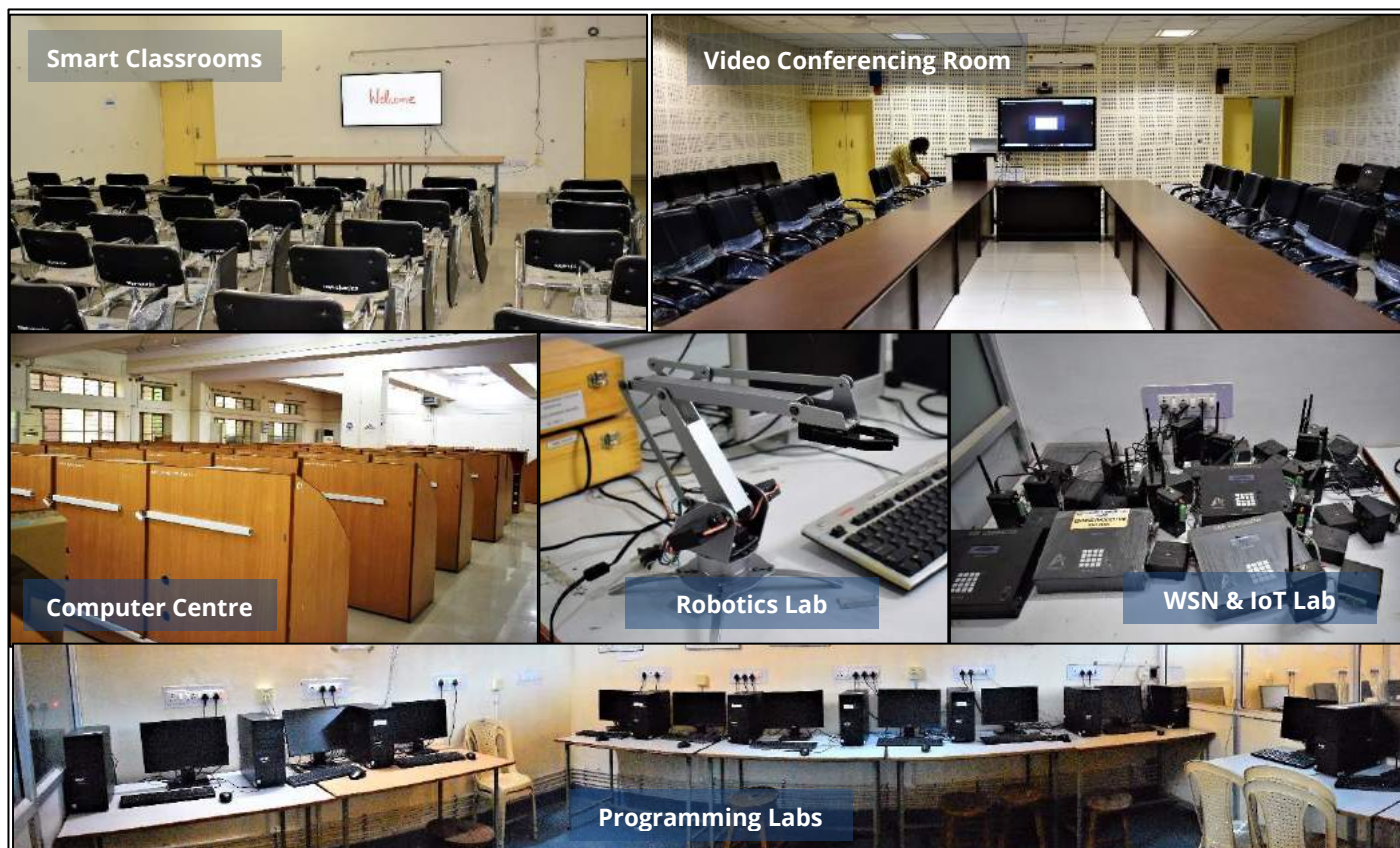
ABOUT THE DEPARTMENT

VISION OF DEPARTMENT

"To be a leader in providing excellent educational, research and techno-entrepreneurial resources in the field of Computer Science and Engineering to meet out the existing, future and inter- disciplinary needs of industry and society."

HISTORY & INCEPTION

M.B.M. engineering college was one of the earliest institutes in the country to provide education opportunities to students in the computing domain through PGDCA (Post Graduate Diploma in Computer Applications) and MCA (Master of Computer Applications) programmes in the year 1984 and 1988 respectively. Later, Department of Computer Science & Engineering was established as a standalone department in the year 1992 after the introduction of Bachelor of Engineering (Computer Science & Engineering) programme.



MESSAGE FROM HEAD



Prof. N.C. Barwar

Head
Computer Science &
Engineering

Phone: 0291-2515356
ncbarwar@jnvu.edu.in

"Department of Computer Science & Engineering has been a pioneer in Rajasthan in the domains computer science, information technology and its applications. The department has introduced courses as per latest demand of time and society. We strive to ensure that our academic curriculum is at par with the latest development and advancement of technology in the industry and research at national & international level. The department has latest equipment and software in laboratories where students can perform experiments as well carry our hands-on projects.

Our efforts in student development reflects through the outstanding performance of our students in campus placements and in various prestigious industries.

I hope that our students fulfils all the dimensions required by the recruiter's expectations. I wish all the best to students for their bright future who are going to appear for placements.

I take this opportunity to invite all prospective recruiters and assure that our students are multifaceted and will be an asset if a chance is given to them to prove their talent."

PROGRAMS OFFERED

| Degree | Branch / Specialization | Duration | Year Started | Intake |
|---------------------------------|--------------------------------|----------|--------------|--------|
| Bachelor of ENGINEERING | Computer Science & Engineering | 4 Yrs | 1990 | 33 |
| | Information Technology | 4 Yrs | 2000 | 30 |
| Master of ENGINEERING | Computer Science & Engineering | 2 Yrs | 2006 | 18+18* |
| M. COMPUTER APPLICATIONS | Computer Applications | 2 Yrs | 1988 | 30 |
| Ph. D. | Computer Science & Engineering | 3-5 Yrs | 2009 | - |

RESEARCH @CSE

The faculty members and research scholars in the department are actively involved in the research & development activities in some of the latest areas of computer science and engineering.

- | | |
|--|---|
| ✚ Artificial Intelligence & Machine Learning | ✚ Computer Networks & Security |
| ✚ Image Processing & Computer Vision | ✚ Data Science & Big Data Analytics |
| ✚ Embedded Systems & Robotics | ✚ Wireless Sensor Networks & IoT |
| ✚ Software Engineering & Quality Assurance | ✚ Multimedia & Human Computer Interaction |

So far, since 2009, a total of 5 Doctoral degrees have been awarded by the department, and currently 8 are registered scholars and 11 are in the process of registration. Combinedly the teachers and students of this Department have published 200+ research papers in National and International reputed Journals and Conferences.

The Department has organized 9 National Conferences in the emerging areas from year 2004 to till date sponsored by UGC & AICTE. Our faculties have executed 4 AICTE, 1 UGC and 1 DST, 1 DRDO and 5 TEQIP-III projects research projects till date.

MAJOR LABORATORIES AT DEPARTMENT

- | | |
|--------------------------|--------------------------------------|
| ▪ Database Laboratory | ▪ Linux and Programming Lab |
| ▪ Microprocessor Lab | ▪ High Performance Computing Lab |
| ▪ Robotics Lab | ▪ 3D Printing Laboratory |
| ▪ Network Simulation Lab | ▪ Wireless Sensor Networks & IoT Lab |

Computer Centre with 100+ computers and 1+1 GBPS internet connectivity.

CORE SUBJECTS (BE)

- Introduction to Computing (CSE/IT)
- Advanced Engineering Mathematics (CSE/IT)
- Discrete Mathematical Structures (CSE/IT)
- Object Oriented Programming (CSE/IT)
- Data Structures and Algorithms (CSE/IT)
- Logic Design (CSE/IT)
- Computer Oriented Statistical Methods (CSE/IT)
- Principles of Programming Languages (CSE/IT)
- Computer Architecture & Microprocessors (CSE/IT)
- Database Management Systems (CSE/IT)
- Data Communications (CSE/IT)
- Theory of Computation (CSE/IT)
- Design & Analysis of Algorithms (CSE/IT)
- System Software & Operating Systems (CSE/IT)
- Computer Networks (CSE/IT)
- Java Programming (CSE/IT)
- Principles of Compiler Design (CSE/IT)
- Cryptography & Security (CSE/IT)
- Software Engineering (CSE/IT)
- Professional Practice, Cyber Laws & Ethics (CSE/IT)

ADVANCED SUBJECTS (BE)

- Python Programming (CSE/IT)
- Modern Application Development (CSE/IT)
- AI & Machine Learning (CSE/IT)
- Robotics & Embedded Systems (CSE/IT)
- Applied Graph Theory (CSE/IT) *
- Blockchain (CSE/IT) *
- Visual Computing (CSE)
- Cloud Computing (CSE)
- Internet of Things (CSE)
- Advanced Computer Architecture (CSE) *
- Computer Vision (CSE) *
- Web Technologies (IT)
- Human Computer Interaction (IT)
- Data Mining & Analytics (IT)
- Big Data Analytics (IT)
- Cyber Security (IT)
- Computer Network Management (IT) *
- Virtual Reality (CSE/IT) *
- Bioinformatics (CSE/IT) *

CORE SUBJECTS (ME)

- Algorithms & Complexity
- Advanced Operating Systems
- Advanced Computer Networks
- Machine Learning
- Wireless & Mobile Computing
- Cyber Security
- Distributed & Parallel Databases *
- Theory of Formal Languages *
- Information Retrieval *
- Algorithmic Graph Theory *

ADVANCED SUBJECTS (ME)

- Natural Language & Speech Processing *
- Parallel Computing *
- Image Processing & Computer Vision *
- Information & Coding Theory *
- Deep Learning & Applications *
- Data Science & Analytics *
- Big Data Analytics *
- Cyber Physical Systems & IoT *
- Secure Systems Engineering *
- Advanced Compilers *
- Advanced Algorithms *
- Fault Tolerant Computing *
- Performance Evaluation of Computer Systems & Networks *
- Formal Specification & Verification of Programs *

* Offered as Elective Papers

CORE SUBJECTS (MCA)

- Internet Technology
- Computer Organization & Architecture
- Object Oriented Programming with C++
- Design of Databases
- Web Application Development
- Computer Networks & Information Security
- Design & Analysis of Algorithms
- System Software & Operating Systems
- Advanced Data Structures
- Advanced Java Programming
- AI & Machine Learning
- Software Engineering
- Visual Computing
- Python Programming
- Advanced DBMS *
- Multimedia *
- Microprocessors *
- LINUX Operating System *
- Client Server Computing *
- Compiler Design *
- Professional Practice, Cyber Laws & Ethics *

ADVANCED SUBJECTS (MCA)

- Mobile Application Development *
- Modern Web Development *
- Robotics & Embedded Systems *
- Blockchain *
- Cloud Computing *
- Internet of Things *
- Advanced Computer Architecture *
- Image Processing & Computer Vision *
- .NET Technologies *
- Human Computer Interaction *
- Big Data Analytics *
- Cyber Security *
- Wireless Technologies *
- Soft Computing *
- Mobile Computing *
- Computer Network Management *
- Geographical Information Systems *

** Offered as Elective Papers*

HIGHLIGHTS

1. Every undergraduate student undergoes 30 + 45 days of industrial training cum internship and completes 01 minor project, 01 seminar and 01 major project. They are offered 03 stream-electives and 03 open-elective papers during their studies.
2. Every M.C.A. student undergoes a full semester of industrial training cum internship and completes 01 minor project, 01 seminar and 01 industrial project. They are offered 03 stream-elective papers during their studies.
3. Every M.E. student, completes 01 seminar and 01 dissertation study during their 3rd & 4th semester of studies. Students are offered 04 elective papers in their first two semesters. Each student is required to publish 02 research papers before submission of his/her dissertation work.
4. PhD students are allowed to choose the course work and research topics as per the recommendations of respective research supervisor subject to approval by department council. PhD students are registered as research scholars only after successful acceptance of their research synopsis by department council. Submission and acceptance of PhD Thesis is governed by latest university and UGC guidelines.

PLACEMENTS @CSE

| B.E. (CSE) | 2019-20 | 2018-19 | 2017-18 |
|---------------------|------------|------------|------------|
| Eligible Students | 25 | 27 | 28 |
| Students placed | 18 | 21 | 22 |
| % Placements | 72% | 78% | 79% |

| B.E. (IT) | 2019-20 | 2018-19 | 2017-18 |
|---------------------|------------|------------|------------|
| Eligible Students | 27 | 22 | 21 |
| Students placed | 25 | 19 | 16 |
| % Placements | 93% | 86% | 76% |

PAST RECRUITERS (LAST 3 YEARS)

| | | | | |
|---|---|---|---|---|
|  |  |  |  |  |
|  ShareChat |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  | many more... |

OUR ENTREPRENEURS IN IT SECTOR

| | | | | |
|---|---|---|---|---|
|  |  |  |  |  |
|---|---|---|---|---|

and many more...

ACTIVITIES @CSE

To ensure overall development of its students, the department strives to augment the academics with many extension activities that foster innovation, competitiveness, responsibility and life-long learning within the students.



Students of our department organize a *State-Level Technical Fest* named “**Encarta**” every year **since 1998**, which sees a participation of 200-300 students in the various events related to Model Making, Software & Hardware knowledge, Competitive Programming, Robotics & AI, New challenges in Computer Science etc. Our students also organize a cultural programme every year on Teacher's day to pay regards and respect to the existing and ex-professors of the department.

Under the guidance of experienced alumni and faculty members, our students also actively engage in many campus activities including training & placement, startup & entrepreneurship, brand building, IT infrastructure management, environment management, mentoring juniors etc. Such collaborative activities allow us to maintain a supportive, friendly and nourishing environment that enables our students to become responsible, ethical and true professionals. Further, our students actively participate in and organize various activities under the following student clubs –

TECHNICAL SKILLS DEVELOPMENT

Embedded Systems & Robotics Club, Innovation & Programming Club, Machine Learning Club, Webbed Club, CSE Research Club, Open Source Software and LINUX Club

PERSONALITY DEVELOPMENT

Sargam (Singing) club, Kalakriti (Arts) Club, Zenith (Drama) Club, Pratibimb (Theatre) Club, Self-Defense Club, Poetry Club, Debating Club, Environment Club, Health Awareness Club

Department conducts month-long summer workshops for fresh students for developing interest in Robotics under the Embedded Systems & Robotics Club. Under the Innovation & Programming Club, students organize regular meet-ups and problem-solving sessions for first and second year to improve their programming and algorithmic skills. Our students have proved their mettle at national and international level events such as IITB's Techfest, IITJ's Ignus, IITR's Congizance, Google's Summer of Code, The ACM ICPC etc.

CSE IN NEWS

एमबीएम के छात्रों ने गेट में मारी बाजी

जोधपुर, जयनारायण व्यास विश्वविद्यालय के एमबीएम इंजीनियरिंग कॉलेज के छात्रों ने फरवरी में हुई गेट-2019 की परीक्षा में कांतिमान रचा है। विभागाध्यक्ष प्रो अमिता गुप्ता ने बताया कि एमबीएम के कंप्यूटर विज्ञान व अभियांत्रिकी विभाग के जय बंसल और श्रीनिवास पालीवाल ने टॉप 100 में अपना नाम दर्ज करवाया। वहीं ज्योति शर्मा ने 192वीं रैंक हासिल की है। जय ने देश में दूसरी और श्रीनिवास ने 90वीं रैंक प्राप्त की। प्रो गुप्ता ने बताया कि अन्य विद्यार्थियों ने भी इस वर्ष गेट 2019 में अच्छा प्रदर्शन किया है। इस वर्ष आइआईटी मद्रास ने 2 से 10 फरवरी तक गेट की परीक्षा आयोजित कराई थी।

नेशनल टेक्नोलॉजी डे स्पेशल

वेद और उपनिषद का अंग्रेजी में हो सकेगा ट्रांसलेशन

एमबीएम इंजीनियरिंग कॉलेज संस्कृत की ग्रामर का ट्रांसलेटर बनाने में जुटा

पाणिनी की संस्कृत का अध्ययन

एमबीएम कॉलेज में इसके लिए अष्टाध्यायी पुरतक के रचयिता पाणिनी की संस्कृत का अध्ययन किया जा रहा है। पाणिनि ने मूलभूत संस्कृत या यूं कहें संस्कृत की व्याकरण को बेहतरीन तरीके से प्रस्तुत किया है। पाणिनी की संस्कृत में मूलभूत शब्द, वर्ण और उनके

सोशल मीडिया पर समय की बर्बादी रोकेगा एप

एमबीएम के छात्रों को मिला वेस्ट स्टार्टअप अवार्ड

जोधपुर, जयनारायण व्यास विश्वविद्यालय के एमबीएम इंजीनियरिंग कॉलेज के छात्रों ने सोशल मीडिया पर समय की बर्बादी रोकेगा एप का विकास किया है।

टेक्नॉलोजी का मिला नॉल्लेज

प्रतियोगिताओं में दिखा क्रेज

जोधपुर, जयनारायण व्यास विश्वविद्यालय के एमबीएम इंजीनियरिंग कॉलेज के छात्रों ने टेक्नॉलोजी का मिला नॉल्लेज प्रतियोगिताओं में दिखा क्रेज।

एमबीएम के छात्रों ने आलस्य व सोशल मीडिया की लत छड़ाने वाला अनूठ एप बनाया, मिला वेस्ट स्टार्टअप अवार्ड

जोधपुर, जयनारायण व्यास विश्वविद्यालय के एमबीएम इंजीनियरिंग कॉलेज के छात्रों ने आलस्य व सोशल मीडिया की लत छड़ाने वाला अनूठ एप बनाया, मिला वेस्ट स्टार्टअप अवार्ड।

5 छात्रों को 7.50 लाख रुपए तक का पैकेज

जोधपुर@पत्रिका, जयनारायण विश्वविद्यालय से संबद्ध विशेषज्ञ आलोक पुरोहित, विनोद शुक्ला तथा विनोद गुप्ता के नेतृत्व में आईआईटी मद्रास के छात्रों को 7.50 लाख रुपए तक का पैकेज।

RECENT TALKS/WORKSHOPS/INTERACTIONS

1. *Operating Systems & High Performance Computing* By Prof. Gene Cooperman (North-Eastern University, USA)
2. *Open Source Software and Distributed Systems* by Mr. Adam Bordelon (Distributed System Engineer at Mesosphere Inc., USA)
3. *Open Source Development and Higher Studies in USA* by Dr. Kapil Arya (Senior Research Engineer at Microsoft Research)
4. *Internet of Things & Big Data* by Dr. M. Sangeetha and Mrs. K. Malarvizhi (CIT, Coimbatore)
5. *Artificial Intelligence & Machine Learning* by Mrs. S. Saranya Rubini and Mrs. M. Prabhavathy (CIT, Coimbatore)
6. *Interaction on Curriculum Development* with Mr. Ranbir S Sedhey (UPP Manager, IEEE, India)
7. *Deep Learning Bootcamp* in association with ALLPS Gmbh, Hyderabad.

RECENT ACHIEVEMENTS

1. In GATE 2019, Jay Bansal (CSE), Sriniwas Paliwal (CSE) and Jyoti Sharma (IT) secured AIR 2, 90, and 192 respectively.
2. Prashant Singh (IT) received a full scholarship from North-Eastern University, USA for pursuing PhD in 2019.
3. Vipin Kumar (CSE) received an off-campus placement at Media.Net with a CTC package of INR 29.75 LPA.
4. Jay Bansal (CSE) received the Best Paper Award at International Conference on Nascent Technologies in Engineering, 2019 for his paper on using Blockchain for E-Voting.
5. Hitesh Sahu (ME) secured 1st rank in Line Follower Competition at IIT Jodhpur in 2019.
6. Saurabh Pandey (IT) and Gopal Sharma (IT) won the Best Startup award (Rs. 7 Lakhs and Six-months incubation support at Jaipur) at STARTUP WEEKEND event organized by TECHSTARS at LNMIIT, Jaipur.
7. Vidhi Pandey & Sumit Jain developed a cost effective UV-Sanitizer Box during COVID-19 pandemic.
8. A team of 05 students led by Nidhitansh Chouhan (IT) got selected for finale round of Smart India Hackathon Software Edition 2020.
9. A team of 05 students led by Ayushi Gautam (CSE) made it to the Zonal Round of DRUSE (National Level Open Innovation Competition by DRDO) held in 2018.

CAMPUS RECRUITMENT TEAM

Training & Placement Officer



Prof. Arvind Kumar Verma

Mobile: +91-9414918856, 8079006631

Email: tpocellmbm@gmail.com

Website: www.mbm.ac.in

Training & Placement Cell,
M.B.M. Engineering College,
Ratanada, Jodhpur, Rajasthan (IN)

Faculty Members (T&P Cell)

Dr. Sushil Saraswat

Associate Professor
Chemical Engineering
(91) 70734 67800

Dr. Kailash Chaudhary

Assistant Professor
Mechanical Engineering
(91) 98290 81113

Dr. Pulkit Gupta

Assistant Professor
Architecture & Town Planning
(91) 94624 26790

Dr. Emarti Kumari

Assistant Professor
Mechanical Engineering
(91) 93135 32249

Sh. Rohit Rawal

Assistant Professor
Mining Engineering
(91) 90240 48770

Sh. Abhisek Gour

Assistant Professor
Computer Science and Engineering
(91) 95301 88107

Sh. Pradeep Kumar

Assistant Professor
Mechanical Engineering
(91) 79765 25314

Sh. Sanu Meena

Assistant Professor
Civil Engineering
(91) 86528 81295

Sh. Kapil Parihar

Assistant Professor
Electronics and Communication Engg.
(91) 94608 21627

Ms. Santosh Meena

Assistant Professor
Electrical Engineering
(91) 89549 11148

Student Coordinators (CSE)

Hitesh Bhatewada

B.E. Final Year (CSE)
hbhatewada1711@gmail.com

Shreya Suroliya

B.E. Final Year (IT)
suroliya.shreya2014@gmail.com

Harsh Gupta

B.E. Final Year (IT)
gupta.harsh130@gmail.com