



राजस्थान केन्द्रीय विश्वविद्यालय Central University of Rajasthan

(संसद के अधिनियम क्रमांक 25 वर्ष 2009 द्वारा स्थापित)
(Established under the Central Universities Act, 2009)

School of Engineering and Technology

Central University of Rajasthan



School of Engineering and Technology @ Central University of Rajasthan

School of Engineering and Technology was established in year 2010 and has following two departments:

1. Department of Computer Science and Engineering
2. Department of Electronics and Communication
3. Department of Biomedical Engineering

The school has been contributing towards achieving the goals of the University and is planning to expand by adding new programs in near future. The school offers following programs in above departments:

1. Department of Computer Science & Engineering

The Department of Computer Science and Engineering was established in the University in the year 2010 under school of Engineering and Technology.

A. Bachelor of Technology in Computer Science and Engineering

The B.Tech. program in Computer Science and Engineering (CSE) is introduced to develop skill of students with computational tools and techniques for providing innovative solution for society. This program structure is designed by blending theoretical and applied aspects for enhancing the engineering skills in field of computing sciences.

Admission: Admission to B.Tech (CSE) program is through JoSAA 2020 on the basis of Joint Entrance Examination (JEE) Main Ranking Website: <https://josaa.nic.in> Institute Code: 428

B. Master of Technology (M.Tech.) in Computer Science & Engineering with specialization in Information Security.

Department is striving hard to produce Information Security professionals to contribute towards secured progress of the country in the information age. Department is also exploring new emerging areas like Cyber Physical Systems, Information Testing, Security Audit, Digital Forensics etc.

Eligibility: B.E. / B.Tech. degree in the subjects Computer Science / Computer Science & Engineering / Computer Science & Technology / Information technology / MCA / M.Sc.(CS / IT) or equivalent from a recognized University / Institute with 50% marks (45% in case of candidate belonging to reserved category i.e. OBC/SC/ST/PWD/EWS, etc.) in the qualifying examination.

Admission: GATE qualified candidates may seek admission through CCMT and others may apply through CUCET.

MTech in Computer Science and Engineering has following silent features:

1. Updated and latest syllabus covering top trends in information security domain.
2. Well qualified and experienced faculty trained at top institutions of repute.
3. Modern Lab infrastructure to support the research and innovations in the area of Information Security.
4. GATE Scholarship for all eligible candidates as per rules.
5. Open and program electives to address and incorporate various emerging Cybersecurity trends such as Information Security Audit and assurance, Security Analysis and Protocols, Cloud Computing, Attack and Defense Mechanism.
6. Focus on the one-year master thesis in the domain of Security.

C. Doctor of Philosophy (Ph.D.) in Computer Science & Engineering.

Eligibility: A consistently good academic record possessing M.E. / M. Tech. Degree in Computer Science / Computer Science & Engineering / Computer Science & Technology/ Information Technology or in a cognate / allied subject with minimum of 55% marks or equivalent grade from a recognized University at both undergraduate and postgraduate levels; 5% relaxation in minimum requirement of marks is granted to SC/ST/OBC/PWD/EWS candidate.

Admission: Eligible candidates may apply for admission through CUCET

2. Department of Electronics and Communication Engineering

This department has been started in year 2019. This department currently has a BTech Program in Electronics and Communication Engineering.

A. Bachelor of Technology in Electronics and Communication Engineering

The objective to introduce the B.Tech. program in Electronics and Communication Engineering (ECE) is to train students with fundamentals and advanced subjects focus on electronics and communication systems.

Admission: Admission to B.Tech (ECE) program is through JoSAA 2020 on the basis of Joint Entrance Examination (JEE) Main Ranking Website: <https://josaa.nic.in> Institute Code: 428

B. Master of Technology (M.Tech.) in Cyber Physical System.

The main objective of this program is to train manpower who can understand both cyber system and physical system collectively and able to handle the challenges towards system security against possible system attacks. The program will develop ability among the students to design logical software-hardware architecture so that the overall objective from the system can be achieved. The university has signed MoU with CEERI Pilani for the one-year project work. The students have to work jointly with CURAJ Faculty and CEERI scientist to finish their M.Tech dissertation project. Thus, this provides a unique opportunity to the student to learn theory and get hands-on experience on the Cyber Physical tools.

Eligibility: B.E. / B.Tech. degree in the subjects Computer Science / Computer Science & Engineering / Computer Science & Technology / Information technology / MCA / M.Sc.(CS / IT) or equivalent from a recognized University / Institute with 50% marks (45% in case of candidate belonging to reserved category i.e. OBC/SC/ST/PWD/EWS, etc.) in the qualifying examination.

Admission: Eligible candidates may apply for admission through CUCET.

Fee structure: The fee details for various programs in the academic year 2019-20 is available at [this link](#).

3. Department of Biomedical Engineering

This department has been started in year 2020. This department currently has a BTech Program in Biomedical Engineering.

A. Bachelor of Technology in Biomedical Engineering

The objective to introduce the B.Tech. program in Biomedical Engineering (BME) is to train students with fundamentals and advanced subjects focus on Biomedical Engineering.

Admission: Admission to B.Tech (BME) program is through JoSAA 2020 on the basis of Joint Entrance Examination (JEE) Main Ranking Website: <https://josaa.nic.in> Institute Code: 428

Curriculum: The curriculum is outcome-based learning, designed to provide theoretical, practical and project based learning to the students. Curriculum consists of compulsory, optional, elective courses and dissertation work. The curriculum is combination of optional courses and electives and is fully **choice based credit system**. The objective of the curriculum is to train students on latest technologies and motivate them towards research in the field. The detailed course structure is available at [this link](#).



Infrastructure and facilities:





The school has fully equipped class rooms with ICT, well equipped laboratories and other amenities. Students can avail following facilities:

1. **Laboratory:** The school has well equipped laboratory with high end systems to practice latest technologies in IT, Cyber Physical System, it also supports research work in the areas of Nanoelectronics Sensors, Wireless Sensor Networks, MEMS/NEMS, Spintronic devices, Neural Networks, etc. The student to computer ratio is 1:1.
2. **Library:** Central library of university has sufficient volumes of books, journals and periodicals in IT. It is also subscribed to many reputed online journals.
3. **Hostels and Mess facilities:** University has sufficient hostel accommodation separately for boys and girls. Amenities like Gym, Indoor and outdoor games, common rooms, hot and cold water, Wi-Fi, etc. are ever available. Sufficient mess are available for both boys and girls in the hostels.
4. **Medical facilities:** The University has well equipped health center with resident doctor, nurse and other staff. There is an ambulance for emergency services.
5. **Bank, ATM and Post office:** There is Bank, ATM and post office with in the campus.
6. **Canteen:** There are canteens and kiosks in the campus to cater the needs of students.
7. **Transport facility:** University has bus to provide transport facility to students and staff from Kishangarh.

Thrust Areas of Research:

1. Nanoelectronics Sensors
2. Nano-Bio Sensors
3. MEMS/NEMS
4. Piezoelectric Energy Harvesters
5. Spintronic Devices
6. RF and Microwave Antenna
7. Electro ceramics
8. Computation Electromagnetism
9. High Impedance Surfaces

Faculty Members:

	<p>Prof. Uma Sankar Mishra Professor and Head (ECE) Dean, School of Engineering and Technology Ph. D, M.Phil, MBA, M.Sc.</p>
	<p>Dr. Milan Sasmal Assistant Professor Ph.D. in Electronic Devices from IIT, Kharagpur, india. M.Tech. (Nanomaterial) from IEST, Shibpur, India, and M.Sc. (Electronics) from Jadavpur University, Kolkata, India.</p>
	<p>Dr. Rajan Singh Assistant Professor Ph.D. in Electronic Properties of Materials from IIT, Bombay, india. M.Tech. (Nanotechnology) from MANIT, Bhopal, India, and B.Tech. (ECE) from Uttar Pradesh Technical University, Lucknow, India Post-Doctoral Fellow (Tsinghua University Beijing, China)</p>
	<p>Dr. Kapil Saraswat Assistant Professor Ph.D. in Electrical engineering from IIT, Kanpur, india. M.Tech. (RF and Microwave) from IIT, Roorkee, India, and B.Tech. (ECE) from Govt. Engineering College, Bikaner, Rajasthan University, India</p>

Contact Us:

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