

Vision and Mission of the JSPM University and School

Faculty: Faculty of Science and Technology

Name of School: School of Civil and Environmental Sciences

Program Name: M. Tech. Construction Management

Vision and Mission of the JSPM University

Vision

To be a value-based globally acclaimed university at the forefront of innovation that provides experiential and transformative education through outstanding research and scholarship, leveraging service and leadership for industry and society.

Mission

- To be a learner-centric university creating a dynamic and inclusive community that fosters intellectual, experiential, and lifelong learning competencies, while making meaningful contributions to society.
- To nurture thinkers and solution providers that lead innovation and knowledge creation.
- To advance knowledge and understanding, through cutting-edge research, scholarship, and creative activity, whilst also providing students with a transformative education that prepares them for success in the global workforce.
- To imbibe entrepreneurial skill and values among faculty and students.
- To be a leader in higher education, establishing synergetic relations and alliances which offer opportunities for long-term interaction with academia of repute and industry, both nationally and internationally.

Goals

- To be globally acclaimed University in top 500 bracket of International Ranking.
- To attain 200% growth in research outcomes including quality publications in Quartile Journals and conferences, patents, sponsored Projects, Technology products, books, monograms etc.
- To be a multi-faculty University with 5 multidisciplinary research centres and introduce 5 interdisciplinary programmes.

- To setup 10 collaborative centres of excellence imparting essential skills for enhancing academic pursuits.
- To establish an industry partnered incubation centre to nurture entrepreneurship.
- To have 25% of learner population opting for entrepreneurship and/or pursuing higher studies.
- To attract foreign faculty from reputed universities to the extent of 5% of total faculty.
- To secure a digital ecosystem that facilitates communication and collaboration with stakeholders.
- To have 50 collaborations-MoUs with Institutes of repute both India and abroad.

Vision and Mission of the School

Vision

Fostering value-based education, research, innovation and leadership development in Civil Engineering and Environmental Sciences for industry and society.

Mission

- To provide value-based education in Civil Engineering that equips individuals to perform morally with responsibility and integrity.
- To foster a transformative education in Civil Engineering, cultivating entrepreneurial skills and values among faculty and students, ensuring their readiness for leadership in the global workforce.
- To drive impactful research and innovation in Civil Engineering, addressing societal and industry needs.
- To nurture environmentally conscious engineers contributing to sustainable solutions.



Program Coordinator



Director of the School

Program Outcomes (POs)

Program Outcomes (POs):

PO-1	Application of Advanced Engineering Knowledge- Apply advanced knowledge of science, mathematics, and engineering principles to analyze, interpret, and manage construction related issues.
PO-2	Design and Development of Sustainable Solutions- Design and develop solutions for construction management challenges, considering public health, safety, societal needs, and environmental sustainability.
PO-3	Research, Investigative Expertise, and Report Writing - Conduct investigations into complex construction management problems using research-based methodologies. Communicate findings effectively through technical reports and presentations.
PO-4	Mastery in Specialized Domains- Demonstrate a mastery in Construction Management, encompassing areas such as project planning, construction technology, cost and quality management, contract administration, and resource optimization.
PO-5	Interdisciplinary and Project Management Skills- Demonstrate leadership and effective teamwork skills, managing diverse teams and facilitating interdisciplinary collaboration to successfully execute and complete large-scale construction projects.
PO-6	Ethics, Lifelong Learning, and Community Contribution- Demonstrate professional ethics, work culture, and a commitment to lifelong learning.



Program Coordinator



Director of the School

Program Educational Objective (PEOs) Program Specific Outcomes (PSOs)

Program Educational Objectives (PEOs):

PEO-I	Graduates will manage construction projects with a focus on sustainability, efficiency, and innovative practices, ensuring timely and cost-effective project delivery.
PEO-II	Graduates will demonstrate leadership and ethical responsibility in multidisciplinary teams, contributing to the advancement of construction practices and technology.
PEO-III	Graduates will pursue entrepreneurial opportunities in construction, leading start-ups or consulting firms that advance sustainable and innovative construction management solutions.

Program Specific Outcomes (PSOs):

PSO-I	Manage construction projects using modern tools and sustainable practices for timely and cost-effective completion.
PSO-II	Lead multidisciplinary teams, ensuring ethical practices, safety, and quality in construction projects.



Program Coordinator



Director of the School