K.S.R. COLLEGE OF ENGINEERING: TIRUCHENGODE - 637 215 (Autonomous)

DEPARTMENT OF CIVIL ENIGNEERING

(REGULATIONS 2020)

M.E-STRUCTURAL ENGINEERING

Vision of the Institution

We envision to achieve status as an excellent Educational Institution in the global knowledge hub, making self-learners, experts, ethical and responsible engineers, technologists, scientists, managers, administrators and entrepreneurs who will significantly contribute to research and environment friendly sustainable growth of the nation and the world.

Mission of the Institution

- IM 1 To inculcate in the students self-learning abilities that enable them to become competitive and considerate engineers, technologists, scientists, managers, administrators and entrepreneurs by diligently imparting the best of education, nurturing environmental and social needs.
- **IM 2** To foster and maintain mutually beneficial partnership with global industries and Institutions through knowledge sharing, collaborative research and innovation.

Vision of the Department / Programme: (Structural Engineering)

DV To impart knowledge and excellence in Civil Engineering and Technology with global perspectives to our students and to make them ethically strong engineers to create conducive environment.

Mission of the Department / Programme: (Structural Engineering)

To promote innovative thinking in the minds of budding engineers and to make the department a centre of excellence in the field of Engineering.
To provide knowledge base and moral autonomy to address regional, national and international needs in Civil Engineering.

Programme Educational Objectives (PEOs): (Structural Engineering)

The graduates of the programme will be able to	
PEO 1	Provide students to learn the detailed concepts of structural engineering for designing Civil Engineering
	structures.
PEO 2	Have successful career in different sectors of Structural Engineering Industry and technical institutes
	through life-long learning.
PEO 3	Independently analyze socio-industrial problems and provide feasible solutions through critical thinking and
	research.

Programme Outcomes (POs) of M.E. - Structural Engineering

Program Outcomes (POs)		
PO1	An ability to independently carry out research / investigation and development work to solve practical problems.	
PO2	An ability to write and present a substantial technical report / document	
PO3	Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.	
Program Specific Outcomes (PSOs)		
PSO1	Profound knowledge of Structural Engineering discipline, with an ability to evaluate, analyze and synthesize the existing and new knowledge in the field of structural design with wide applications.	
PSO2	Critically analyze complex Structural Engineering problems, apply independent judgment for synthesizing information and make innovative advances in a theoretical, practical and policy context.	