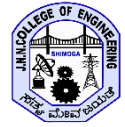**National Education Society (R.)**

Jawaharlal Nehru New College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B', UG programs:CE,ME,EEE,ECE,CSE,ISE, ETE PG Programs: MBA, acredited by NBA:1.7.2022 to 30.6.2025, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)

INTERNAL QUALITY ASSURANCE CELL (IQAC)

PO- ENGINEERING

PO	Program Outcomes
PO-1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO-2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO-3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO-4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO-5	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO-6	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO-7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO-8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO-9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO-10	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO-11	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO-12	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PO-MBA

PO	Program Outcomes
PO-1	Apply knowledge of management theories and practices to solve business problems
PO-2	Foster analytical and critical thinking abilities for data based decision making
PO-3	Ability to develop value based leadership ability
PO-4	Ability to understand, analyse and communicate global, economic legal and ethical aspects of business
PO-5	Ability to lead themselves and others in the achievement of organizational goals, contributing effectively to a team environment
PO-6	Apply research acumen to use innovative models and solutions for business and society
PO-7	Adapt entrepreneurial trails and skills to start and manage own business successfully

PO-MCA

PO	Program Outcomes
PO-1	Apply knowledge of computing fundamentals, mathematical skills and domain knowledge for the conceptualization of computing models.
PO-2	Identify, formulate and solve complex computing problems using fundamental principles of Mathematics, Computing Sciences, research literature and relevant domain disciplines.
PO-3	Design and evaluate solutions for complex computing systems to meet specified needs for public health and safety, cultural societal and environmental considerations.
PO-4	Apply research based knowledge and research methods in the design of experiments, analysis and interpretation of data for the synthesis of information to provide better conclusions.

PO-5	Create, select, adopt and apply appropriate computing tools, techniques, resources for solving complex problems and lifelong learning.	
PO-6	Understand and commit to professional computing practice and ethics for societal, environmental, legal and cultural issues with consequential and professional responsibilities.	
PO-7	Demonstrate knowledge and understanding of the computing and management principles to lead projects and team in multidisciplinary environments.	
PO-8	Communicate effectively in a team and society to comprehend, write effective reports, design documentation and make effective presentations both as an individual and leader.	
PO-9	Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large	