



INSTITUTION MAKING STUDENTS READY FOR "INDUSTRY 4.0"

Department of Computer Science and Engineering



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VISION

To provide the quality Education in Computer Science and Engineering and to mould the Students into self-confident and professionally competent individuals

MISSION

- To produce successful graduates enriched with professional and leadership capabilities.
- To impart the skills necessary and to continue education and grow professionally.
- To inculcate strong ethical and human values .
- To establish a research center in Computer Science and Engineering.
- To contribute towards empowering the rural youth with computer education

PROGRAM EDUCATIONAL OBJECTIVES

- **PEO1** APPLY THEIR TECHNICAL COMPETENCE IN COMPUTER SCIENCE TO SOLVE REAL WORLD PROBLEMS, WITH TECHNICAL AND PEOPLE LEADERSHIP.
- **PEO2** CONDUCT CUTTING EDGE RESEARCH AND DEVELOP SOLUTIONS ON PROBLEMS OF SOCIAL RELEVANCE.
- **PEO3** WORK IN A BUSINESS ENVIRONMENT, EXHIBITING TEAM SKILLS, WORK ETHICS, ADAPTABILITY AND LIFELONG LEARNING.

PROGRAM OUTCOMES

P01 ENGINEERING KNOWLEDGE: APPLY THE KNOWLEDGE OF MATHEMATICS, SCIENCE, ENGINEERING FUNDAMENTALS AND AN ENGINEERING SPECIALIZATION TO THE SOLUTION OF COMPLEX ENGINEERING PROBLEMS.

P02 PROBLEM ANALYSIS: IDENTIFY, FORMULATE, REVIEW RESEARCH LITERATURE, AND ANALYZE COMPLEX ENGINEERING PROBLEMS REACHING SUBSTANTIATED CONCLUSIONS USING FIRST PRINCIPLES OF MATHEMATICS, NATURAL SCIENCES, AND ENGINEERING SCIENCES.

P03 DESIGN / DEVELOPMENT OF SOLUTIONS: DESIGN SOLUTIONS FOR COMPLEX ENGINEERING PROBLEMS AND DESIGN SYSTEM COMPONENTS OR PROCESSES THAT MEET THE SPECIFIED NEEDS WITH APPROPRIATE CONSIDERATION FOR PUBLIC HEALTH AND SAFETY, AND THE CULTURAL, SOCIETAL, AND ENVIRONMENTAL CONSIDERATIONS.

P04 CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS: USE RESEARCH - BASED KNOWLEDGE AND RESEARCH METHODS INCLUDING THE DESIGN OF EXPERIMENTS, ANALYSIS AND INTERPRETATION OF DATA, AND SYNTHESIS OF THE INFORMATION TO PROVIDE VALID CONCLUSIONS.

P05 MODERN TOOL USAGE: 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.

P06 THE ENGINEER AND SOCIETY: APPLY TO REASON IN FORMED BY THE CONTEXTUAL KNOWLEDGE TO ASSESS SOCIETAL, HEALTH, SAFETY, LEGAL AND CULTURAL ISSUES, AND THE CONSEQUENT RESPONSIBILITIES RELEVANT TO THE PROFESSIONAL ENGINEERING PRACTICE.

PROGRAM OUTCOMES

P07 ENVIRONMENT AND SUSTAINABILITY: UNDERSTAND THE IMPACT OF THE PROFESSIONAL ENGINEERING SOLUTIONS IN SOCIETAL AND ENVIRONMENTAL CONTEXTS, AND DEMONSTRATE THE KNOWLEDGE OF, AND NEED FOR SUSTAINABLE DEVELOPMENT.

P08 ETHICS: APPLY ETHICAL PRINCIPLES AND COMMIT TO PROFESSIONAL ETHICS AND RESPONSIBILITIES AND NORMS OF THE ENGINEERING PRACTICE.

P09 INDIVIDUAL AND TEAM WORK: FUNCTION EFFECTIVELY AS AN INDIVIDUAL, AND AS A MEMBER OR LEADER IN DIVERSE TEAMS, AND IN MULTIDISCIPLINARY SETTINGS.

P010 COMMUNICATION: 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.

P011 PROJECT MANAGEMENT AND FINANCE: 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.

P012 LIFE-LONG LEARNING: 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.

PROGRAM SPECIFIC OUTCOMES

PS01 EXHIBIT DESIGN AND PROGRAMMING SKILLS TO BUILD AND AUTOMATE BUSINESS SOLUTIONS USING CUTTING EDGE TECHNOLOGIES.

PS02 STRONG THEORETICAL FOUNDATION LEADING TO EXCELLENCE AND EXCITEMENT TOWARDS RESEARCH, TO PROVIDE ELEGANT SOLUTIONS TO COMPLEX PROBLEMS.

PS03 ABILITY TO WORK EFFECTIVELY WITH VARIOUS ENGINEERING FIELDS AS A TEAM TO DESIGN, BUILD AND DEVELOP SYSTEM APPLICATIONS.

STUDENTS' ACHIEVEMENTS

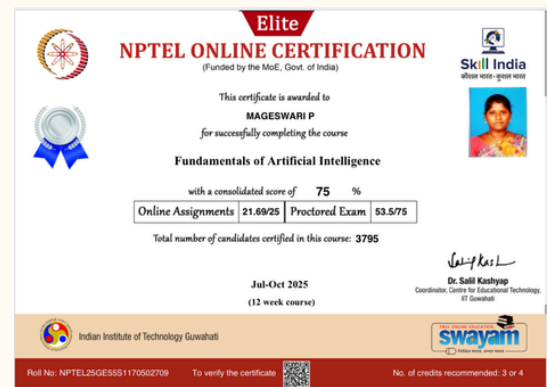
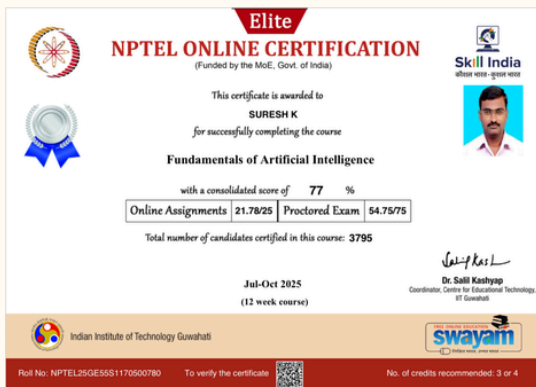


MR. ASWIN KUMAR S, 11 YEAR/CSE DEPARTMENT PARTICIPATED IN THE NPTEL ONLINE EXAM AND SECURED THE ELITE GOLD CERTIFICATION



MANY OF THE STUDENTS OF CSE DEPARTMENT PARTICIPATED IN THE NPTEL ONLINE EXAM AND SECURED THE ELITE SILVER CERTIFICATION

FACULTY MEMBER'S ACHIEVEMENTS



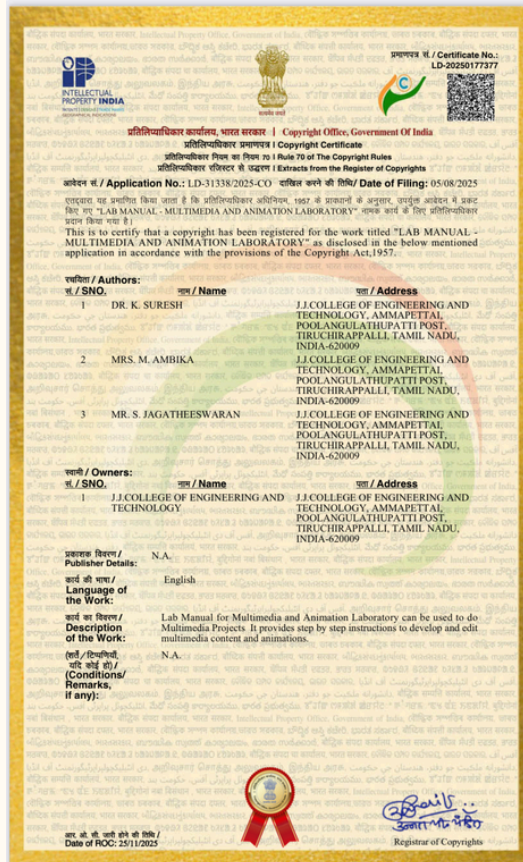
DR. K. SURESH, ASSOCIATE PROFESSOR/CSE DEPARTMENT & MRS. P. MAGESWARI, AP/CSE PARTICIPATED IN THE NPTEL ONLINE EXAM AND SECURED THE ELITE & SILVER CERTIFICATION



MOST OF THE FACULTY MEMEBERS OF CSE DEPARTMENT PARTICIPATED IN THE NPTEL ONLINE EXAM AND SECURED THE ELITE CERTIFICATION



FACULTY MEMBER'S ACHIEVEMENTS



DR. K. SURESH, ASSOCIATE PROFESSOR/CSE, MRS. M. AMBIKA, AP/CSE AND MR. S. JAGATHEESWARAN, AP/CSE DEPARTMENT HAVE REGISTERED COPYRIGHT FOR THE WORK TITLED "LAB MANUAL-MULTIMEDIA AND ANIMATION LABORATORY"

MR. M. A. AMARNATH, AP/CSE DEPARTMENT HAS PRESENTED A PAPER ENTITLED "INNOVATIVE HYBRID STRATEGY FOR ENERGY-EFFICIENT CLUSTERING AND ROUTING IN WIRELESS SENSOR NETWORKS" IN THE AICTE SPONSORED IEEE "INTERNATIONAL CONFERENCE ON SMART TECHNOLOGIES & SYSTEMS FOR NEXT GENERATION COMPUTING (ICSTSN 2025) - FOURTH EDITION" HELD AT IFET COLLEGE OF ENGINEERING ON 20TH AND 21ST NOVEMBER 2025



MRS. M. AMBIKA, AP/CSE HAS SUCCESSFULLY PARTICIPATED & COMPLETED ATAL FDP ON "EMPOWERING EDUCATORS WITH NEXT GEN-COMPUTING: AI, SUPERCOMPUTING & DATA SCIENCE" AT MAJLIS ARTS AND SCIENCE COLLEGE FROM 24TH NOV 2025 TO 29TH NOV 2025