Innovative Practices

A.Y 22-23

	Innovative practices	Impact on Process
Curricular Aspects	Industry-designed and supported courses (UIPATH-Robotic Process Automation) Faculty members deputed for training in RPA.	Courses are aligned with therequirement of the industry
	Proficiency enhancement through value-added skill-based courses in the emerging areas of Information Technology and by promoting MOOCS. (Introduced Blockchain as a specialization course)	Curriculum enrichment throughindustry design courses.
	SE Scheme & Syllabus Changes as per Autonomy	
		Due to Autonomy flexibility indesign Syllabus
Teaching-Learning & Evaluation	Faculty brings Industry practitioners and researchers to co-teach during the regular sessions.	To augment the teaching-learning experience
	Critical Pedagogical Approach: Knowledge based system to enhance the learning- A case study on formal language and Automata Theory	To improve Problem-solving approach
	Art integrated learning pedagogy - Speech recognition system based on DFA machine	
Research, Innovations & Extension	Project ideas for RBL/PBL/ABL selected from broad areas of TV 2035	Provide solutions for societal problems, the output after two years (publication in renowned journals / IPR / Start-up / Consultancy)
	Participation in various workshops, webinars, and in events like MyGov Activities	
	To improve research Paper Quality Department has conducted session on Paper Writing.	Strategizing to improve overall quality publication in the dept.
	To improve workshop Quality during Pre-Conference Qualification Pack Workshop has been conducted by industry expert and students are eligible for NASSCOM certification.	To Improve Certification & Workshop Quality
	16 Papers Quality Paper Publication (Springer Journal & Scopus indexed) Total three (03) Book Published 4 patents filled & Published Industry training & interaction outside world Industry Training (conducted industry training for Mahindra & Mahindra), INS Hamla	Quality Publication To Improve IPR Training & Consultancy

	training	To encourage faculty and students to increase IPR activities.
	IPR Awareness webinar was conducted for students and faculty members by the IPR office.	
		To orient students about domains offered by the department and strengthen the domain activities.
	Domain wise activities	
Infrastructure & Learning Resources	Use of G suite account, Zoom licenses, GCR, MS Team, ICT and digital infrastructure for teaching learning. Provide pen tablets to faculty for teaching subjects of mathematical nature.	The interactive teaching-learning process with Digital Infrastructure.
	To keep a record of infrastructure & Learning resources made provision in Monthly QA Sheet.	To maintain phase-wise record of budget utilization
Student Support & Progression	Professional body activity- ACM, Progressive India, Alumni interaction	To meet applicable standards with continued motivation for research and development
	The national level workshop is scheduled in the month of February under ACM activities	
	Students working on projects with social relevance	To improve Co-Curricular activity.
	Students has done IT Department Library Automation with support of Professional Activity & coding club program	To improve coding Skill.
Governance, Leadership & Management	Program Assessment & quality improvement committee (PAQIC) Training program for non-teaching technical staff	Assess attainment of Program Outcomes (PO), Program Specific Outcomes (PSO), and achievement of Program Educational Objectives (PEOs) and recommend action plans for improvement of quality.