Course Title	**MIS, AI & DIGITAL TRANSFORMATION**
Course Code	**CSC 601**
Course Purpose and Objectives	The purpose of this course is to provide students with a comprehensive understanding of how information systems and Artificial Intelligence (AI) support organisational strategy, digital transformation, and managerial decision-making in contemporary enterprises. Students will critically evaluate the strategic role of management information systems and examine how AI technologies are reshaping business processes, organisational performance, innovation, and competitive advantage. The course explores AI-enabled decision-making, intelligent automation, cybersecurity implications, and the ethical, legal, and governance challenges associated with AI adoption. Emphasis is placed on developing the managerial knowledge and analytical skills required to evaluate, design, and manage intelligent information systems that support organisational resilience, operational excellence, and sustainable digital transformation.
Learning Outcomes	1. Critically evaluate the organisational foundations of systems, their strategic role, and the organisational and management changes driving electronic commerce, electronic business, and the emerging digital firm. 2. Discuss the hardware, software, data storage, and telecommunications technologies that compromise the organization's information technology infrastructure. 3. Analyse and design new systems by using information technology systems, including reengineering of critical business processes and development of web based applications. 4. Discuss the role of information systems in capturing and distributing organisations knowledge and in enhancing management decision making across the organisations and the value chain. 5. Critically evaluate special management challenges and opportunities created by the pervasiveness and power of contemporary information systems and the global connectivity of the Internet forcing the new market place. 6. Critically evaluate how AI transforms organisational decision-making, business processes, and competitive strategy. 7. Analyse the opportunities and risks associated with AI adoption, including automation, algorithmic bias, cybersecurity, privacy, governance, and regulatory compliance. 8. Design managerial strategies for integrating AI-enabled information systems that support innovation, digital transformation, and organisational performance.
Course Content	**Digital Transformation and the Strategic Role of Information Systems** **Information Technology Infrastructure and Intelligent Digital Platforms** **Business Process Management and Intelligent Automation** **Knowledge Management, Innovation and Digital Collaboration**

	Artificial Intelligence Governance, Ethics and Responsible Innovation **Cybersecurity, Privacy and Risk Management** **Managing AI adoption and the Intelligent Enterprise**