Computer Engineering

Sem	Course Code	Course Name	CO Number	Course Outcome Statements
VIII	CSC801	Human Machine Interaction	CSC8011	Identify the importance of human characteristics in GUI design process.
			CSC8012	Describe Graphical user interface and Web user interface.
			CSC8013	Apply interactive design process in real world application.
			CSC8014	Apply the principles of HMI for developing the User interface.
			CSC8015	Use interactive design styles to produce effective screen designing.
VIII	CSC802	Distributed Computing	CSDLO80121	Understand broadly the field of natural language processing.
			CSDLO80122	Understand capabilities and limitations of current natural language technologies.
			CSDLO80123	Model linguistic phenomena with formal grammars.
			CSDLO80124	Design, implement and test algorithms for NLP problems.
			CSDLO80125	Understand the mathematical and linguistic foundations underlying approaches to the various areas in NLP.
			CSDLO80126	Apply NLP techniques to design real world NLP applications such as machine translation, text categorization, text summarization, information extraction...etc.
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VIII	DLO8013	Adhoc Wireless Network	DLO80131	Identify the characteristics and features of Adhoc Networks.

			DLO80132	Understand the concepts & be able to design MAC protocols for Ad Hoc networks
			DLO80133	Implement protocols / Carry out simulation of routing protocols of Adhoc Networks
			DLO80134	translation, text categorization, text summarization, information extraction...etc.
			DLO80135	Analyze security principles for routing of Ad Hoc Networks
			DLO80136	Utilize the concepts of Adhoc Networks in VANETs
VIII	ILO8021	Project Management	ILO80211	Elaborate characteristics of a project and life cycle of the project.
			ILO80212	Apply selection criteria and select an appropriate project from different options.
			ILO80213	Develop work breakdown structure for a project and develop a schedule and budget based on it.
			ILO80214	Identify opportunities, challenges and threats to the project and decide on an approach to deal with them strategically.
			ILO80215	Make use of Earned value technique and determine & predict status of the project.
			ILO80216	Identify lessons learned during project phases and document them for future reference
VIII	ILO7016	Entrepreneurship Development and Management	ILO80231	Define the concept of entrepreneurship and explain the importance of capital in entrepreneurship.
			ILO80232	Analyze the given business case to identify the risks and opportunities in it
			ILO80233	Explain the key regulations and legal aspects of entrepreneurship
			ILO80234	Explain various schemes for promoting entrepreneurship by MSME.
			ILO80235	Explain issues in micro and small enterprise and effective management of business.
			ILO80236	Explain stages of small business life cycle and firm level growth strategies.
VIII	CSL801	Human Machine Interactions Lab	CSL8011	To design user centric interfaces.
			CSL8012	To design innovative and user-friendly interfaces.
			CSL8013	To apply HMI in their day-to-day activities.
			CSL8014	To criticize existing interface designs, and improve them
			CSL8015	To Design application for social Task
			CSL8016	To Design application for Technical Tasks
VIII	CSL802	Distributed Computing Lab	CSL8021	Implement client-server communication programs based on socket.

			CSL8022	Implement the middleware technologies that support distributed applications.
			CSL8023	Implement load balancing algorithm.
			CSL8024	Implement the main underlying components of distributed systems (like groupcommunication, name resolution).
			CSL8025	Implement algorithms used for clock synchronization.
			CSL8026	Implement algorithms used for mutual exclusion.
			CSL8031	Describe the concept of Cloud computing and its architecture.
			CSL8032	Describe the concept of Virtualization
			CSL8033	Demonstrate private cloud using open source technologies.
			CSL8034	Demonstrate IaaS, SaaS, PaaS service models in cloud.
			CSL8035	Identify security issues on cloud.
VIII	CSL803	Cloud Computing Lab	CSL8036	Implement real world applications of cloud computing
			CSL8041	Acquire practical knowledge within the chosen area of technology for projectdevelopment.
VIII	CSL804	Computational Lab -II	CSL8042	Identify, discuss and justify the technical aspects of the chosen project with a comprehensive and systematic approach.
			CS9061	Recognize social and ethical responsibilities.
			CS9062	Document and demonstrate their working model.
			CS9063	Develop and test code for various modules for the system.
VIII	CSL804	Project-II	CS9064	Evaluate the results of the working model and conclude along with future scope.