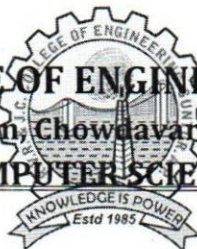


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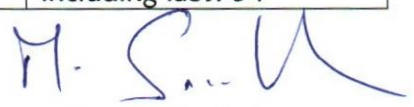


18-04-2019

Following are the contents added/ modified in R17 curriculum revised in 2017.

Subject code in R16	Subject title	% of syllabus changed	Topics added
CS511	Advanced Data Structures & Algorithms	90	UNIT-I:HEAP SORTING UNIT II:BINOMIAL HEAPS UNIT III:DISJOINT-SET OPERATIONS UNIT IV,V:COMPLETE CHANGE
CS512	Multi-Core Architectures & Programming		New Subject
CS513	Data Science		New Subject
CS 5XX Elective-I,II,III	CS 571 - Artificial Intelligence & Agent Technologies	40	UNIT I:INTELLIGENT AGENTS UNIT II:PREDICATE LOGICS UNIT III:SYMBOLICREASONING, UNCERTIANITY,STATISTICAL REASONING,QUANTIFYING UNCERTAINTY UNIT IV:ADVERSARIAL SEARCH
	CS 573 Advanced Databases		New Subject
	CS 574 Distributed Computing		New Subject
	CS 575 Wireless Networks & Mobile Computing	90	UNIT II:GSM AND OTHER 2G ARCHITECTURE,IP AND MOBILE I NETWORK LAYER UNIT III:TCP/IP TRANSPORT LAYER PROTOCOLS,DATABASEAND MOBILE COMPUTING UNIT IV:DATA DISSEMINATION NAD SYSTEMS FOR BROADCASTING,DATA SYNCHRONIZATIONIN MOBILE COMPUTING SYSTEMS UNIT V:MOBILE DEVICES,MOBILE WIRELESS SHORT-RANGE NETWORKS AND MOBILE INTERNET
	CS 576 Agile Software Methodologies		New Subject
	CS 577 Information Security		New Subject
	CS 578 Design Thinking and Innovation		New Subject

	CS 579 Network Technologies		New Subject
	CS 580 Ethical Hacking & Computer Forensics(LBD)		New Subject
	CS 581 Scripting Languages (LBD)		New Subject
	CS 582 Mobile Application Development (LBD)	100	Complete Syllabus is revised
CS 551	Advanced Data Structures Lab	60	1.HASHING TECHNIQUES 2.DISJOINT OPERATIONS 3.BELLMAN-FORD Algorithm 4.DIJKSTARS ALGORITHM 5.FLOYD WARSHALLS Algorithm 6.String Matching algorithm
CS 552	Data Science Lab		New Subject
CS 521	Machine Learning		New Subject
CS 522	Cloud Computing	100	Complete Syllabus is revised
CS 523	Internet of Things		New Subject
CS 5XX Elective-IV,V,VI	CS 585 Soft Computing		New Subject
	CS 586 Human Computer Interaction		New Subject
	CS 587 Social Network & Semantic Web		New Subject
	CS 588 Multimedia Computing	100	Complete Syllabus is revised
	CS 589 Software Project Management	100	Complete Syllabus is revised
	CS 590 Software Defined Networks		New Subject
	CS 591 Advanced Data Mining		New Subject
	CS 592 Gaming Engineering		New Subject
	CS 593 Cyber Security		New Subject
	CS 594 Software Testing & Quality Assurance (LBD)		New Subject
	CS 595 Internet Technologies and Web Services (LBD)		New Subject
	CS 596 Visual Programming (LBD)		New Subject
CS 561	Machine Learning Lab		New Subject
CS 562	Internet of Things Lab		New Subject
CS 651	MOOCS	100	COMPLETE CHANGE(OTHER SUBJECT)
	Average % of Syllabus content added or replaced	22.94	Total number of subjects including labs: 34


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