GOVERNMENT COLLEGE
(AUTONOMOUS)
KALABURAGI

POST-GRADUATE DEPARTMENT OF COMPUTER SCIENCE

COURSE MATRIX AND SYLLABUS OF M.Sc. COURSE BASED ON CHOICE BASED CREDIT SYSTEM

EFFECTIVE FROM THE ACADEMIC YEAR 2018-19

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COURSE MATRIX AND SYLLABUS OF
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Approved by Academic Council.

PRINCIPAL
Govt. College
Kusnoor Road, GULBARGA-585 105

EFFECTIVE FROM THE
ACADEMIC YEAR 2018-19

Approved by the BOS vide Resolution No. 3 dated 17-04-2018.

GOVERNMENT COLLEGE (AUTONOMOUS) KALABURAGI
Department of Computer Science
Course Matrix of Master of Science in Computer Science
(With effect from the Academic year 2018-19 and onwards)

Subject Code	Subjects	Total Credit	Teaching Hours / week	Marks Allocation					Total Max. Marks
				Internal		Semester and Exam			
				Max Marks	Min Marks	Duration	Max. Marks	Min Marks	
Semester – I									
CCT1.1	Digital Computer Fundamentals	4	4	20	--	3 hrs	80	32	100
CCT1.2	Mathematical Foundation of Computer Science	4	4	20	--	3 hrs	80	32	100
CCT1.3	OOP Using C++	4	4	20	--	3 hrs	80	32	100
DSET1.1	(a)Operating System Principles (b) LINUX & SHELL Programming	4	4	20	--	3 hrs	80	32	100
Practical 1.1	OOP Using C++ Lab	4	8	20	--	4 hrs	80	32	100
Practical 1.2	(a)OS Lab (b) LINUX & SHELL Programming Lab	4	8	20	--	4 hrs	80	32	100
	Total	24							600
Semester – II									
CCT2.1	DataStructures using C++	4	4	20	--	3 hrs	80	32	100
CCT2.2	Relational Database Management System	4	4	20	--	3 hrs	80	32	100
DSET2.1	(a)Data Communications & Networks (b) System Software	4	4	20	--	3 hrs	80	32	100
GET2.1	(a)Libre Office (b)Computer Fundamentals and C-Programming	4	4	20	--	3 hrs	80	32	100
Practical 2.1	Data Structure using C++ Lab and RDBMS Lab	4	8	20	--	4 hrs	80	32	100
Practical 2.2	(a)Data Communications & Networks (b) System Software Lab	4	8	20	--	4 hrs	80	32	100
	Total	24							600

Semester – III									
CCT3.1	Java Programming	4	4	20	--	3 hrs	80	32	100
CCT3.2	C# and.NET programming	4	4	20	--	3 hrs	80	32	100
DSET3.1	(a)Computer Graphics (b) Data Warehousing and Mining	4	4	20	--	3 hrs	80	32	100
GET3.1	(a)E-Commerce and Cyber space (b) Web Design Using HTML and Dream Weaver	4	4	20	--	3 hrs	80	32	100
Practical 3.1	Java and C# and.NET Lab	4	8	20	--	4 hrs	80	32	100
Practical 3.2	(a)Computer Graphics (b) Data warehousing and Mining	4	8	20	--	4 hrs	80	32	100
	Total	24							600
Semester – IV									
CCT4.1	Web designing using Java Script	4	4	20	--	3 hrs	80	32	100
CCT4.2	Software Engineering	4	4	20	--	3 hrs	80	32	100
DSET4.1	(a)Digital Image Processing (b) Software Testing (c) Cloud Computing. (d) Problem Solving using Python	4	4	20	--	3 hrs	80	32	100
Practical 4.1	Web designing using Java Script and SE Lab	4	8	20	--	4 hrs	80	32	100
Practical 4.2	(a)Digital Image Processing (b) Software Testing (c) Cloud Computing. (d) Problem Solving using Python	4	8	20	--	4 hrs	80	32	100
CCPR 4.1	Project	6	6	30	--	--	120	48	150
	Total	26							650

Total Credits for the Course: 98

CCT – Core Course Theory
CCP – Core Course Practical
DSET – Discipline Specific Elective Theory
DSEP – Discipline Specific Elective Practical
GET – General Elective Theory
CCPR – Core Course Project