

Self-Study Report (SSR) - Criterion-1

Information to be submitted by Departments/Directorates/Centres for Each Programme Offered

1	Department/Directorate/Centre/Institute:	Department of Computer Science, University of Kashmir	
2	Name of the Programme Offered:	MCA	
3	Departmental website link of the complete/updated syllabus:	https://cs.uok.edu.in/Main/ViewPage.aspx?Page=MCA_Syllabus	
4	Number of Courses in the Programme? MCA-8 courses/semester offered - 32 courses including project courses (8) credit/semester =24		
5A	Number of New Courses introduced in the Programme since 2019? MCA - 02 1. Multimedia Systems 2. Wireless & Mobile Computing		
5B	List of New Courses introduced since 2019:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Description</i>
	MCA18004CR	Multimedia Systems	MCA (To introduce various aspects of multimedia components like Images, audio,
	MCA21306DCE	Wireless & Mobile Computing	MCA (The student will be able to understand the new trends in mobile/wireless communications networks. understand multiple radio access techniques. analyze various routing algorithms used in mobile/wireless networks. identify the issues in transport and application layers.)

5C	Departmental website link in support of New Courses introduced in the Programme since 2019.	https://cs.uok.edu.in/Files/79755f07-9550-4aeb-bd6f-5d802d56b46d/Custom/Doc11233.pdf			
6A	Dates of syllabus revisions during the last five years. (2019-2023)	2018	2019	2020	2021
6B	Departmental website link in support of syllabus revisions.	https://cs.uok.edu.in/Files/79755f07-9550-4aeb-bd6f-5d802d56b46d/Custom/BOS%2025-9-2020.pdf			
7	Are Programme Outcomes (POs) clearly mentioned in the syllabus? (Y/N) Y	https://cs.uok.edu.in/Main/ViewPage.aspx?Page=Programme_Outcome			
8	Are the Course Outcomes (COs) mentioned for each course of the programme? (Y/N) N				
9A	Does POs & COs have relevance to local, regional & global developmental needs? (Y/N) Y	https://cs.uok.edu.in/Files/79755f07-9550-4aeb-bd6f-5d802d56b46d/Menu/Programme_Relevance_a9db5414-ffe1-47c2-bd74-a65248fb1351.pdf			
9B	List of courses addressing Local Needs:				
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>		
	MCA21102CR	Database Systems	Programmming courses, Database courses and AI courses enable students to fill jobs in local industry. Govt. and other sectors at regional and global levels.		
	MCA21304CR	Machine Learning			
	MCA21202CR	Python			
	MCA21205DCE	Web Programming			
9C	List of courses addressing Regional Needs:				
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>		
	MCA21102CR	Database Systems	Programming courses like C++, JAVA, Python Database Management courses like DBMS. Web Development Courseslike Web Designing. AI and Machine Learning Courses.		
	MCA21304CR	Machine Learning			
	MCA21202CR	Python			
	MCA21205DCE	Web Programming			

9D	List of courses addressing Global Needs:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	MCA21102CR	Database Systems	MCA and M.Tech courses are inline with academic and industry requirements at global level.
	MCA21304CR	Machine Learning	
	MCA21202CR	Python	
	MCA21205DCE	Web Programming	
CSE20521	Network Security and Cryptography		
10A	Does the Programme offer focus on Employability/ Entrepreneurship/ Skill development courses? (Y/N)		
10B	List of Employability Courses:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	MCA21102CR	Database Systems	Programming courses like C++, JAVA, Python Database Management courses like DBMS. Web Development Courseslike Web Designing. AI and Machine Learning Courses.
	MCA21304CR	Machine Learning	
	MCA21202CR	Python	
	MCA21205DCE	Web Programming	
CSE20521	Network Security and Cryptography		
10C	List of Entrepreneurship Development Courses:		
<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>	
MCA21307DCE	ORGANISATIONAL BEHIOUR	Management Courses like accounting and Management Control and Organisational Behaviour provide self-employment opportunities.	
MCA21401OE	MANAGEMENT INFORMATION SYSTEM		

10D	List of Skill development Courses:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	MCA21102CR	Database Systems	Programming courses like C++, JAVA, Python Database Management courses like DBMS. Web Development Courseslike Web Designing. AI and Machine Learning Courses.
	MCA21304CR	Machine Learning	
	MCA21202CR	Python	
	MCA21205DCE	Web Programming	
CSE20521	Network Security and Cryptography		
11A	Does the programme have courses addressing Professional ethics/ gender/ human values/ environment/ sustainability & other value framework enshrined in NEP2020/etc. (Y/N) Y		
11B	List of courses addressing Professional Ethics:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	MCA21307DCE	ORGANISATIONAL BEHAVIOUR	Management Courses like accounting and Management Control and Organisational Behaviour provide self-employment opportunities.
	MCA21401OE	MANAGEMENT INFORMATION SYSTEM	
11C	List of courses addressing Gender Issues:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	OE courses	OE courses	Other OE courses address gender/human values/ environment etc.
11D	List of courses addressing Human Value Issues:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	OE courses	OE courses	Other OE courses address gender/human values/ environment etc.
11E	List of courses addressing Environment Issues:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	OE courses	OE courses	Other OE courses address gender/human values/ environment etc.

15A	Does the Department/Directorate/Institute/ Centre offer Online Courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms? (Y/N)							Y	
15B	Details of Online Courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms where the students of the institution have enrolled and successfully completed during the last five years (2019-2023)								
	<i>Course Code</i>	<i>Name of the Course</i>	<i>Mode of the Course-offered by the HEI or Online (Specify the platform like MOOCs, SWAYAM, etc.)</i>	<i>Year of Offering/enrolment</i>	<i>Contact hours of course</i>	<i>Number of students enrolled in the year</i>	<i>Number of Students completing the course in the year</i>	<i>Departmental website link to the relevant document</i>	<i>Number of students enrolled in the year</i>
Design and Analysis of Algorithms	Design and Analysis of Algorithms	SWAYAM 2	2020-2023	48 hours	N/A	8883	https://cs.uok.edu.in/Main/ViewPage.aspx?Page=Swayam_Courses		

16A	Does the programme have Field Projects/ Research Projects /Internship in the programme? (Y/N) Y			
16B	Details of components of Field Projects / Research Projects / Internships implemented during last five years (2019-2023)			
	<i>Course Code</i>	<i>Name of the course pertaining to field projects/ Research Projects /Internship</i>	<i>Number of Credits</i>	<i>Number of students undertaking course</i>
	MCA21401CR	Project Problem Identification	4	62
	MCA21402CR	Project Problem Analysis	4	
	MCA21403CR	Project Dissertation	6	
	MCA21404DCE	Project In-Home Software Developmnt	4	
	MCA21405DCE	Project - In-Home Research Component	4	
	MCA21406DCE	Project Industrial Software Developmnt	4	
	MCA21407DCE	Project Industrial Research Component	4	
17	Any other Relevant Information:			

Signature of the Head/Director of the Department/Centre/Institute

- General Instructions:**
1. Kindly format the syllabus in light of the instruction and discussions held in past meetings and upload the syllabus on the Departmental Website.
 2. Upload valid proofs on the Departmental Website.