

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:	M.Tech CS	
3	Departmental website link of the complete/updated syllabus:	https://cs.uok.edu.in/Main/ViewPage.aspx?Page=MTech_Syllabus	
4	M.Tech-7 courses for 1st & 2nd semesters - 6 courses in 3rd semester - 5 courses in project(4th) semester credit/semester =24		
5A	M.Tech -03 <ol style="list-style-type: none"> 1. Embedded Systems 2. Software Reliability Engineering 3. Network Security 		
5B	List of New Courses introduced since 2019:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Description</i>
	CSE20511	Embedded systems	M.Tech (The purpose of embedded systems is to control a specific function within a device. They are usually designed to only perform this function repeatedly, but more developed embedded systems can control entire operating systems.)
	CSE205262	Software Reliability Engineering	M.Tech (to determine whether or not a system or program is able to meet the specifications and perform the functions expected by users)
	CSE20521	Network Security & Cryptography	M.Tech (identify and classify particular examples of attacks. define the terms vulnerability, threat and attack. identify physical points of vulnerability in simple networks. compare and contrast symmetric and asymmetric encryption systems and their vulnerability to attack, and explain the characteristics of hybrid systems.)

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>		
	NA	NA	NA		
9C	List of courses addressing Regional Needs:				
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>		
	NA	NA	NA		

9D	List of courses addressing Global Needs:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	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>
	CSE20521	Network Security and Cryptography	
10C	List of Entrepreneurship Development Courses:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	NA	NA	NA

10D	List of Skill development Courses:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	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>
	NA	NA	NA
11C	List of courses addressing Gender Issues:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	NA	NA	NA
11D	List of courses addressing Human Value Issues:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	NA	NA	NA
11E	List of courses addressing Environment Issues:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	NA	NA	NA

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>
	CSE20541	Major Project Problem Identification	2	22
	CSE20542	Major Project Problem Analysis	4	
	CSE20543	Major Project Software Development	6	
	CSE20544	Major Project Research Component	6	
	CSE20545	Major Project Dissertation	6	
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.