Self-Study Report (SSR) - Criterion-1

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

1	Department/Director	rate/Centre/Institute:	Department of Statistics					
2	Name of the Program	nme Offered:	M.A./ M.Sc. Statistics https://statistics.uok.edu.in/Files/3df6de46-e015-49ef-8ce5-b55d62405446/Menu/1st_sem2022_cea4871a-649b-4ddb-a079-be152d2bde6d.pdf https://statistics.uok.edu.in/Files/3df6de46-e015-49ef-8ce5-b55d62405446/Menu/2nd_sem2022_60176532-5784-4b5a-b001-8767abc88327.pdf https://statistics.uok.edu.in/Files/3df6de46-e015-49ef-8ce5-b55d62405446/Menu/3rd_sem2022_a4180777-2770-48c7-9615-6d7c85cc81e6.pdf https://statistics.uok.edu.in/Files/3df6de46-e015-49ef-8ce5-b55d62405446/Menu/4th_sem2022_dca1bb64-0f66-4ffb-aa07-e8cb51a30523.pdf					
3	Departmental websit syllabus:	e link of the complete/updated						
4	Number of Courses in	n the Programme?		48				
5A	Number of New Cour	ses introduced in the Programme sinc	e 2019?	2				
5B	List of New Courses i	introduced since 2019:						
	Course Code	Course Title	Brief Description					
	ST22104CR	Applied Statistics	This course provides a review of techniques that are useful for analyzing data collected over a period of time while lndex Number analysis is useful when forecasting events and compilation of various indices like consumer price index etc. After successful completion of this course, the students will be able to apply the the Time Series data to find the trend. Analyze Time Series data inorder to check the behaviour of trend. Understand the applications of Index Numbers.					
	ST22304CR	Order Statistics	Order statistics refer to the collection of sample observations sorted in ascending order and are among the most fundamental tools in non-parametric statistics and inference. On successful completion of this course, the students will be able to demonstrate the understanding of order statistics.					
5C		te link in support of New Courses ogramme since 2019.	https://statistics.uok.edu.in/Files/3df6de46-e015-49ef-8ce5-b55d62405446/Menu/1st_sem2022_cea4871a-649b-4ddb-a079-be152d2bde6d.pdf https://statistics.uok.edu.in/Files/3df6de46-e015-49ef-8ce5-b55d62405446/Menu/3rd_sem2022_a4180777-2770-48c7-9615-6d7c85cc81e6.pdf					
6A	Dates of syllabus revi (2019-2023)	isions during the last five years.	23-05-2022					
6B	Departmental websit revisions.	e link in support of syllabus	https://statistics.uok.edu.in/Files/3df6de46-e015-49ef-8ce5-b55d62405446/Menu/80-PG_1bf9b020-a521-4151-9e2c84ba351eeb1.jpg	<u>f-</u>				
7	Are Programme Outo	omes (POs) clearly mentioned in the s	syllabus? (Y/N)	Y				
8	Are the Course Outco	omes (COs) mentioned for each course	of the programme? (Y/N)	Υ				
9A	Does POs & COs hav	e relevance to local, regional & glob	oal developmental needs? (Y/N)	Y				
9B	List of courses addressing Local Needs:							
	Course Code	Course Title	Brief Justification					
	ST22102CR	Sampling Theory	This course is designed to develop skill to understand importance of sampling theory and various methods of sampl techniques that are used in planning.					
	ST22103CR	Statistical Computing	This course is designed to help the students to learn data analysis in Minitab. Minitab provides a variety of tools for data visualisation and analysis. It is widely used in various industries and academic institutions for statistical analysis, quality improvement, and process optimization.					
	ST22203CR	Advanced Statistical Computing	This Course is developed to help the students to learn various advanced techniques of data analysis in R Softwar has top-notch tools for visualization, reporting, and interactivity, which are crucial both for Data Science and bu domains.					
	ST22403CR	Design and Analysis of Experiments	The course has been designed to guide students to develop an understanding of the experimental skills require perform a scientific investigation.					
9C	List of courses addre	ssing Regional Needs:						
	Course Code	Course Title	Brief Justification					
	ST22102CR	Sampling Theory	This course is designed to develop skill to understand importance of sampling theory and various methods of sam techniques that are used in planning .					
	ST22103CR	Statistical Computing	This course is designed to help the students to learn data analysis in Minitab. Minitab provides a variety of tools data visualisation and analysis. It is widely used in various industries and academic institutions for statistical ana quality improvement, and process optimization.					
	ST22203CR	Advanced Statistical Computing	This Course is developed to help the students to learn various advanced techniques of data analysis in R Soft has top-notch tools for visualization, reporting, and interactivity, which are crucial both for Data Science and domains.					

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	ST22303CR	This course is developed so that the students will learn the organization and implementation of survey projects.						
	ST22402CR	Industrial Statistics and Reliability Theory	This course is designed so that students will be able to apply suitable SQC techniques & tools to control processe various phases of work problems.					
9D	List of courses address	sing Global Needs:						
	Course Code	Course Title	Brief Justification					
	ST22202CR	Linear Models and Regression						
	STEEZEOZCK	Analysis	This course is designed to develop an in depth understanding of regression analysis and its applications in forecasting					
	ST22203CR	Advanced Statistical Computing	This Course is developed to help the students to learn various advanced techniques of data analysis in R Software. R has top-notch tools for visualization, reporting, and interactivity, which are crucial both for Data Science and business domains.					
	ST22309DCE	Data Analysis using SPSS	This Course has been designed to help the students to learn various advanced techniques of data analysis Using SPSS Software.					
	ST22302CR	Multivariate Analysis	The couse has been designed so that students can understand the multivariate techichinques used in health , forcasting and finance.					
10A	Does the Programme	offer focus on Employability/ Entr	epreneurship/ Skill development courses? (Y/N) Y					
ОВ	List of Employability		1 1 2 1 7					
-	Course Code	Course Title	Brief Justification					
	ST22102CR	Sampling Theory	This course is designed to develop skill to understand importance of sampling theory and various methods of samplin techniques that are used in planning.					
	ST22103CR	Statistical Computing	This course is designed to help the students to learn data analysis in Minitab. Minitab provides a variety of tools for data visualisation and analysis. It is widely used in various industries and academic institutions for statistical analysis, quality improvement, and process optimization.					
	ST22202CR	Linear Models and Regression Analysis	This course is designed to develop an in deth understanding of regression analysis and its applications in forecasting.					
	ST22203CR	Advanced Statistical Computing	This Course is developed to help the students to learn various advanced techniques of data analysis in R Software. R has top-notch tools for visualization, reporting, and interactivity, which are crucial both for Data Science and busines domains.					
	ST22302CR	Multivariate Analysis	The couse has been designed so that students can understand the multivariate techniques used in health , forcasting and finance.					
	ST22303CR	Survey Project	This course is developed so that the students will learn the organization and implementation of survey project.					
	ST22309DCE	Data Analysis using SPSS	This Course has been designed to help the students to learn various advanced techniques of data analysis Using SPSS Software.					
	ST22402CR	Industrial Statistics and Reliability Theory	On the completion of this course, students will be able to apply suitable SQC techniques ft tools to control processes at various phases of work problems. The focus will be on the interpretation of control charts for acceptable of toleraranges in a process.					
	ST22403CR	Design and Analysis of Experiments	The purpose of this course is to guide students to develop an understanding of the experimental skills required to perform a scientific investigation.					
IOC	List of Entrepreneurs	hip Development Courses:						
	Course Code	Course Title	Brief Justification					
	ST22102CR	Sampling Theory	This course is designed to develop skill to understand importance of sampling theory and various methods of sampling techniques that are used in planning.					
	ST22402CR	Industrial Statistics and Reliability Theory	On the completion of this course, students will be able to apply suitable SQC techniques & tools to control proc at various phases of work problems. The focus will be on the interpretation of control charts for acceptable of t ranges in a process.					
	ST22203CR	Advanced Statistical Computing	This Course is developed to help the students to learn various advanced techniques of data analysis in R Software.					
	List of Skill developm	ent Courses:						
0D			Brief Justification					
0D	Course Code	Course Title						
OD		Course Title Statistical Computing	This course is designed to help the students to learn data analysis in Minitab. Minitab provides a variety of tools for data visualisation and analysis. It is widely used in various industries and academic institutions for statistical analysis quality improvement, and process optimization. This Course is developed to help the students to learn various advanced techniques of data analysis in R Software. R					

	ST22205DCE	To develop the optimization techniques that will be useful in the personal and professional life. To learn the mathematical formulation of complex decision-making problems and arrives at optimal or near-optimal solutions using different techniques of operations research.								
	ST22309DCE	Data Analysis using SPSS	This Course has been Software.	en designed to	help the stud	ents to learn	various advance	ed techniques of data analysis	Using SPSS	
11A	Does the programm NEP2020/etc. (Y/N	ne have courses addressing Profess	onal ethics/ gender/	human value	s/ environmer	nt/ sustainab	ility & other va	lue framework enshrined in	N	
11B	List of courses addressing Professional Ethics:									
	Course Code	Course Title	Brief Justification							
11C	List of courses addre	essing Gender Issues:								
	Course Code	Course Title	Brief Justification							
11D	Course Code	essing Human Value Issues: Course Title	Brief Justification							
	course code	Course Tree	Direy Sustification							
11E	List of courses addre	essing Environment Issues:								
	Course Code	Course Title	Brief Justification							
11F	List of sources addr	nesing Creatain shilltry issues								
1115	Course Code	essing Sustainability issues: Course Title	Brief Justification							
	course code	course rice								
11G	List of courses addressing Other Value Framework enshrined in NEP2020/etc.:									
	Course Code	Course Title	Brief Justification							
12A	Does the Department/Directorate/Institute/ Centre offer Diploma Programme? (Y/N) N									
12B	Details of the Diplor 2023)	ma Programmes offered by the insti	tutions where the stud	dents of the in	stitution have	enrolled and	successfully co	mpleted during the last five y	ears (2019-	
	Programme Code	Name of Diploma Programme	Mode of Programme (Online/Offline)	Year of Offering/en rolment	Contact hours of course	Number of students enrolled in the year	Number of Students completing the course in the year	Departmental website link to the relevant document	Number of students enrolled in the year	
13A			1							
	Does the Departme	nt/Directorate/Institute/ Centre of	er Certificate Course	es? (Y/N)					N	
13B		nt/Directorate/Institute/ Centre officate Courses offered by the institut			tution have er	rolled and su	occessfully comp	oleted during the last five yea		
13B					Contact	Number of students enrolled in the year	Number of Students completing the course in the year	Departmental website link to the relevant document		
13B	Details of the Certif	icate Courses offered by the institu	Mode of Course	Year of Offering/en	Contact hours of	Number of students enrolled in	Number of Students completing the course in	Departmental website link	Number of students enrolled in	
13B	Details of the Certif	icate Courses offered by the institu	Mode of Course	Year of Offering/en	Contact hours of	Number of students enrolled in	Number of Students completing the course in	Departmental website link	Number of students enrolled in	
14A	Details of the Certification Course Code Does the Department	Name of Certificate Course Name of Institute Course	Mode of Course (Online/Offline)	Year of Offering/en rolment	Contact hours of course	Number of students enrolled in the year	Number of Students completing the course in the year	Departmental website link to the relevant document	Number of students enrolled in the year	
	Details of the Certification Course Code Does the Department	icate Courses offered by the institu	Mode of Course (Online/Offline)	Year of Offering/en rolment	Contact hours of course	Number of students enrolled in the year	Number of Students completing the course in the year	Departmental website link to the relevant document	Number of students enrolled in the year	
14A	Details of the Certif Course Code Does the Departme Details of the Value	Name of Certificate Course Name of Institute Course	Mode of Course (Online/Offline)	Year of Offering/en rolment	Contact hours of course	Number of students enrolled in the year	Number of Students completing the course in the year	Departmental website link to the relevant document	Number of students enrolled in the year	

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15A	Does the Department/Directorate/Institute/ Centre offer Online Courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms? (Y/N)								
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 succompleted during the last five years (2019-2023)								
	Course Code	Name of the Course	Mode of the Course- offered by the HEI or Online (Specify the platform like MOOCS, SWAYAM, etc.)	Year of Offering/en rolment	Contact hours of course	Number of students enrolled in the year	Number of Students completing the course in the year	Departmental website link to the relevant document	Number of students enrolled in the year
16A	Does the programm	e have Field Projects/ Research Pro	ojects /Internship in	the programn	ne? (Y/N)				Y
16B	Details of componen	ts of Field Projects / Research Proj	<u> </u>	plemented d	uring last five				
	Course Code	Name of the course pertaining to field projects/ Research Projects /Internship				Number of students undertaking course		Departmental website link to the relevant document	
	ST17403CR	Survey Project		4		64		https://statistics.uok.edu.in/Files/3df6de46- e015-49ef-8ce5- b55d62405446/Menu/projects_5de908e4- 7ba7-4c54-9485-4e6fcd39de10.pdf	
	ST18303CR	Survey Project		4		60		https://statistics.uok.edu.in/File e015-49ef-8ce5- b55d62405446/Menu/projects 7ba7-4c54-9485-4e6fcd39de10	5de908e4-
	ST18303CR	Survey Project		4 5		54		https://statistics.uok.edu.in/Files/3df6de46- e015-49ef-8ce5- b55d62405446/Menu/projects_5de908e4- 7ba7-4c54-9485-4e6fcd39de10.pdf	
	ST18303CR	Survey Project			4			https://statistics.uok.edu.in/Files/3df6de46 e015-49ef-8ce5- b55d62405446/Menu/projects_5de908e4-	
		Survey Project		4		48		7ba7-4c54-9485-4e6fcd39de10 https://statistics.uok.edu.in/File e015-49ef-8ce5- b55d62405446/Menu/projects 7ba7-4c54-9485-4e6fcd39de10	s/3df6de46- 5de908e4-
17	ST18303CR // Any other Relevant Information:								
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Signature of the Head/Director of the Department/Centre/Institute

General Instruction

- 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.