SRI DHARMASTHALA MANJUNATHESHWARA COLLEGE (AUTONOMOUS)



UJIRE-574 240 DAKSHINA KANNADA, KARNATAKA STATE

(Re-Accredited by NAAC at W Grade with CGPA 3.61 out of 4)
Pr: 08256-236221, 236101 (0) Fax: 236220
e-mail: admobilings@rediffmall.com, admobilings@rediffusin, Website: www.sdmoujire.in

Meeting - I

DEPARTMENT OF P.G. STUDIES IN STATISTICS

Proceedings of BOS meeting

Date: 01/12/2022

Time: 10:00 A.M.

Venue: CR – 10, PG center, Ujire

AGENDA NO	AGENDA
SDMCU/STAT-PG-BOS/2022-23/01/01	Reading the minutes of the previous BOS meeting
	and Action Taken Report
SDMCU/STAT-PG-BOS/2022-23/01/02	Revision and Approval of the syllabus:
	a) Identifying the issues of Gender Equity, Human
	Values, Environment, Professional Ethics
	b) Identifying the Local, National and Global issues
	c) Identifying skill /employability components
SDMCU/STAT-PG-BOS/2022-23/01/03	Revision and Approval of Soft core/OE/VAC
	courses if any
	a) Identifying the issues of Gender Equity, Human
	Values, Environment, Professional Ethics
	b) Identifying the Local, National and Global issues
	in the courses
	c) Identifying skill /employability components
SDMCU/STAT-PG-BOS/2022-23/01/04	Review of results of previous even sem exams and
	other achievements, feedback of the
	department/Stakeholders if any
SDMCU/STAT-PG-BOS/2022-23/01/05	Finalizing the list of examiners
SDMCU/STAT-PG-BOS/2022-23/01/06	Any other matter

Members Present:

Name and address	Designation
Dr. SavithaRao	Chairperson
Assistant Professor,	
Department of Satistics,	
SDM College (Autonomous), Ujire.	
Dr. Surekha B. Munoli	Subject Expert
Professor, Department of Statistics,	
Karnatak University, Dharwad.	
Dr. SujathaInginshetty	Subject Expert
Professor of Statistics	
Gulbarga University	
Dr. Harsha S.	University Nominee
Guest Faculty,	
Department of PG Studies and Research in Statistics,	
Mangalore University, Mangalore	
Mr. Rajeesh	Industrial Representative
Data Analyst, Course – V	
Transformative Intelligence Embassy Tech Village	
Building 2A Groundfloor East Tower	
SarjapurOuterring,	
Devaraveesanahalli	
Bangalore-560103	
Mr. Shanthiprakash	Member
Associate Professor and Coordinator,	
HOD of Statistics,	
SDM College (Autonomous), Ujire.	
Mr.Pradeep K.	Member
Assistant Professor,	
Department of PG Studies in Statistics,	
SDM College (Autonomous), Ujire.	
	Dr. SavithaRao Assistant Professor, Department of Satistics, SDM College (Autonomous), Ujire. Dr. Surekha B. Munoli Professor, Department of Statistics, Karnatak University, Dharwad. Dr. SujathaInginshetty Professor of Statistics Gulbarga University Dr. Harsha S. Guest Faculty, Department of PG Studies and Research in Statistics, Mangalore University, Mangalore Mr. Rajeesh Data Analyst, Course – V Transformative Intelligence Embassy Tech Village Building 2A Groundfloor East Tower SarjapurOuterring, Devaraveesanahalli Bangalore-560103 Mr. Shanthiprakash Associate Professor and Coordinator, HOD of Statistics, SDM College (Autonomous), Ujire. Mr.Pradeep K. Assistant Professor, Department of PG Studies in Statistics,

8.	Ms. ShwethaKumari	Member
	Assistant Professor,	
	Department of PG studies in Statistics,	
	SDM College (Autonomous), Ujire.	

Members Not Present

Sl.	Name and Address	Designation
No.		
1.	Ms. Pranamya Y.	Meritorious Alumni
	Freelancing Biostatistician,	
	Trivium Education Services Pvt. Ltd., Delhi.	
2.	Ms. Supriya S. P.	Member
	Assistant Professor,	
	Department of PG Studies in Statistics,	
	SDM College (Autonomous), Ujire.	

The Chairperson welcomed the members and presented the agenda in the meeting.

SDMCU/STAT-PG-BOS/2022-23/01/01

Reading the minutes of the previous BOS meeting held on 31-05-2022 and action taken report

The Chairperson read out the minutes of the previous meeting and action taken report.

The following actions were taken on the basis of the suggestions given by the members.

Suggestion 1:

The members suggested to conduct training programs/coaching on competitive examinations such as NET, KSET, ISS, etc. for the benefit of the students.

Action taken:

This suggestion is incorporated.

The agenda was approved.

SDMCU/STAT-PG-BOS/2022-23/01/02

Revision and Approval of the syllabus

The chairperson presented the drafted syllabus before the board members and the modification made were as follows:

- In STH 413 Probability and Distributions I, the topic "standard discrete distribution" of unit 3 is shifted to unit 2 and suggested to specify the distributions. Also suggested to add the topic "bivariate exponential" in unit 3 as it is essential and to specify the continuous distributions. Accordingly adjusted the number of hours as unit 2 allotted 12 hours, unit 3 allotted 16 hours and unit 4 allotted 11 hours as to making up a total 52 hour duration.
- In unit 4 of STH 414 Theory of Sampling (I semester), Official Statistics for National Development – NSO, CSO, MOSPI, Human Development Index; Measuring inequality in income – Lorenz curve, Gini coefficient were removed and suggested to include in self-study concept.
- In the references of STH 414 Theory of Sampling (I Semester), Sen, A.(1997).
 Poverty and Inequality was removed and suggested to add original research articles, website links.
- In STH 422 Probability and Distributions II, unit 1 and unit 2 were clubbed together to form unit 1 and removed Radon Nicodymderivative and allotted 16 hours. Unit 3 was considered as unit 2. Unit 4 was split in to unit3 and unit 4. The concepts of unit 4 'Characteristic function properties, inversion theorem (statement only). Central limit theorem, Lindeberg-Levy and Liapounov central limit theorems. Statement of Lindeberg-Feller form. Application of these theorems' were considered in unit 3.Sampling distributions included in unit 4 Derivation of pdf and mean of non-central t and non-central F were added. The number of hours is reduced to 10 hours.
- In STH 423 Design and Analysis of Experiments, study of various methods of unit 3 were removed. One reference was added namelyN.R. Mohan Madhyast, Ravi and Praveena (2020), *A first course in linear models in design of experiment*.. Combined the first and second practical namely One way and two way Analysis of variance.
- In STH 424 Theory of Estimation, the concept 'Plotting likelihood functions' of unit 1 was removed.

- In STH 532 Theory of testing of hypothesis, the title of the paper was changed as 'Testing of Hypotheses'. Number of practicals reduced to 11 by taking 'Testing for randomness using run test, Sign test, Median Test as single practical and Wilcoxon signed rank test, Kolmogorov Smirnov test as another practical.
- In STH 533 Regression Analysis, the concept 'Use of prior information. Restricted least squares estimators and mixed regression estimator' were removed and combined unit 1 and unit 2 as unit 1, hours of revised unit 1 is conserved as 16 hours. Existing unit 3 was considered as unit 2, unit 4 as unit 3 and unit 5 as unit 4. Hours of revised units were modified as unit 2 was 12 hours, unit 3 was 12 hours. And the concept 'Autoregressive conditional heteroscedasticity (ARCH) models' of revised unit 3 were removed since it is repeated in STH 541. Also practical titled 'Simultaneous equation models' was added to the list of practicals.
- In STH 541 Time Series Analysis, the reference 'Robert H. Shumway, David S.
 Stoffer. Time series analysis and its applications" was added.

a) Identifying the issues of Gender Equity, Human Values, Environment, Professional Ethics

There were no such issues identified.

b) Identifying the Local, National and Global issues in the courses

In all the hardcore papers of I, II, III and IV semesters, the local, national and global issues were identified and highlighted as follows:

Components	Code Number, Name of the	Topic
	Paper and Unit	
Local, National and	STH 414, Theory of Sampling,	Sampling Techniques and
Global issues	Unit-1, Unit-3 & Unit-4.	Official Statistics for National
		Development
	STH 423, Design and Analysis of	Concepts and Techniques of
	Experiments, Unit-1, Unit-2,	Design and Analysis of
	Unit-3 & Unit-4	Experiments.
	STH 424, Theory of Estimation,	Estimation Techniques.
	Unit-1, Unit-2, Unit-3 & Unit-4	
	STH 533, Regression analysis,	Concepts and Techniques of
	Unit-1, Unit-2, Unit-3, Unit-4 &	Regression Analysis.
	Unit-5	

STH 541, Time Series Analysis,	Concepts and Techniques of
Unit-2	Time Series Analysis.
STH 542, Reliability and Survival	Concepts and Techniques of
Analysis, Unit-1, Unit-2, Unit-3 &	Reliability and Survival
Unit-4	Analysis.

c) Identifying skill /employability components

In all the hardcore papers of I, II, III and IV semesters, skill/employability components were identified and highlighted as follows:

Sl.	Components	CodeNumber, Name of the Paper	Topic
No		and Unit	
1	Skill components	ents	
	Knowledge	STH 411, Real Analysis, Unit-1,	Concepts of Real Analysis.
	Component	Unit-2, Unit-3 & Unit-4	
	(Conceptual	STH 422, Probability and	Concepts of Probability and
	understanding)	Distributions - II, Unit-1, Unit-2,	Distributions.
		Unit-3 & Unit-4	
		STH 424, Theory of Estimation,	Estimation Techniques.
		Unit-1, Unit-2, Unit-3 & Unit-4	
		STH 532, Theory of Testing of	Concepts and Techniques of
		Hypothesis, Unit-1, Unit-2, Unit-3	Hypothesis Testing.
		& Unit-4	
		STH 534, Multivariate Analysis,	Concepts and Techniques of
		Unit-1, Unit-2, Unit-3 & Unit-4	Multivariate Analysis.
		STH 541, Time Series Analysis,	Concepts and Techniques of
		Unit-1	Time Series Analysis.
	Problem-solving	STH 413, Probability and	Probability Distributions and
	Skill	Distributions – I, Unit-3	Transformation Techniques.
		STH 423, Design and Analysis of	Concepts and Techniques of
		Experiments, Unit-1, Unit-2, Unit-3	Design and Analysis of
		& Unit-4	Experiments.

	Decision-making	STH 423, Design and Analysis of	Concepts and Techniques of
	Skill	Experiments, Unit-1, Unit-2, Unit-	Design and Analysis of
		3 & Unit-4	Experiments.
		STH 532, Theory of testing of	Concepts and Techniques of
		Hypothesis, Unit-1, Unit-2, Unit-3	Hypothesis Testing.
		& Unit-4	
	Analytical Skill	STH 534, Multivariate Analysis,	Concepts and Techniques of
		Unit-1, Unit-2, Unit-3 & Unit-4	Multivariate Analysis.
2	Employability	STH 533, Unit-1, Unit-2, Unit-3,	Concepts and Techniques of
	components	Unit-4 & Unit-5	Regression Analysis.
		STH 534, Unit-3 & Unit-4	Concepts and Techniques of
			Multivariate Analysis.
		STH 541, Unit-1, Unit-2, Unit-3 &	Concepts and Techniques of
		Unit-4	Time Series Analysis.
		STH 542, Unit-1, Unit-2, Unit-3 &	Concepts and Techniques of
		Unit-4	Reliability and Survival
			Analysis.

SDMCU/STAT-PG-BOS/2022-23/01/03

Revision and Approval of Soft core/OE/VAC courses if any

- In Unit 1 of STE 421A Introductory Statistics and Data Analysis, Exploratory data analysis using descriptive measures and graphical tools were removed because of repetition. In unit 2, permutation and combination was added as essential requisite for thetopic probability. And the number of hours of unit 2 is changed to 15 hours. In unit 3, the concept of sampling distribution of sample mean was retained. Allotted hours of unit 3 reduced to 12 hours.
- In STE 421B Questionnaire Design and Sample Selection, the concept 'Steps involved in the development of a questionnaire' of unit 2 was shifted to unit 1. In unit 3, sampling and non-sampling errors were added.
- In STE 421C Data visualization, a concept 'Linear regression' was written as regression model with two variables for more clarity.

- In STE 531A Inferential Statistics and Data Analysis, type I, type II errors and power of the test were added as requisite basic concepts.
- In STE 531B Categorical Data Analysis corrected the grammatical mistakes. In unit 1 the concept 'Maximum likelihood estimation: a single proportion' was removed as it was not relevant. In unit 2, the concept 'inferential statistics for three way tables' was modified as Analysis of three way tables. Also suggested to add more references.
- In STE 531C Demographic Methods and Analysis, the topic 'migration' was removed from unit 1, the number of hours of unit 1 was increased to 12 hours. Unit 2 was removed since all the concepts were repeated in STE 421A. Unit 3 was considered as unit 2. For unit 3 life table: Components of life table, force of mortality, expectation of life tables, types of life tables, complete and abridged life table and uses of life tables. Population projection: Basic concepts and definition of population change, migration, types of migration (internal and international), factors affecting migration were added and the 12 hours allotted. Suggested two references namely RamkumarR(1986), *Technical Demography* and Srinivasan K. (1998), *Basic demographic techniques and applications*.
- In STS 544 Big Data Analytics, unit 2 is combined with unit 1. Unit 3 was considered as unit 2 by adding the concepts Types of BI Tools and software, Benefits of Business Intelligence, Applications in an Enterprise. Data Mining: Data preprocessing, data cleaning, data integration, data reduction, data transformation and data discretization. Data visualization tools and techniques. The new concepts 'Data Warehousing and Online Analytical Processing: Data Warehouse Basic Concepts, Data Warehouse Modeling, Data Warehouse Design and Usage. Outlier Detection Methods and Statistical Approaches. Classification Methods: Decision Tree Induction, Bayes Classification Methods, Model Evaluation and Selection, Techniques to Improve Classification Accuracy' were considered in Unit 3. Also in unit 4 specifically mentioned the topics in Artificial Neural Networks and Text mining. The reference 'Jiawei Han, Elsevier (2012). Data Mining Concepts and Techniques' was added.

a) Identifying the issues of Gender Equity, Human Values, Environment, Professional Ethics

There were no such issues identified.

b) Identifying the Local, National and Global issues in the courses

In all the Softcore/OE/VAC papers of I, II, III and IV semesters, the local, national and global issues were identified and highlighted as follows:

Sl.	Compo	CodeNumber, Name of the	Topic
No.	nents	Paper and Unit	
1	Local	STE 421 B, Questionnaire design	Reaching the target
		and Sample selection, Unit-2.	respondents and pilot
			survey.
		STE 531 B, Categorical Data	Problems on
		Analysis, Unit2	contingency tables.
		STE 531C, Demographic methods	Census and sample
		and Analysis, Unit1	surveys
		STS 543, Statistical Modelling,	Concepts and Techniques
		Unit-1, Unit-2 & Unit-3	of Statistical Modelling.
		Course on R and Excel for data	All topics
		science, Section 4	
2	National	STE 421 B, Questionnaire design	Types of questionnaire.
		and Sample selection, Unit-1.	
		STE 531 B, Categorical Data	Analyzing and
		Analysis, Unit2	decision making
		STE 531C, Demographic methods	Internal and
		and Analysis, Unit3	International types of
			migration
		STS 543, Statistical Modelling,	Concepts and Techniques
		Unit-1, Unit-2 & Unit-3	of Statistical Modelling.
3.	Global	STE 421 B, Questionnaire design	Sampling techniques.
		and Sample selection, Unit-3.	
		STE 421 C, Data	Applications and examples
		visualization.Unit-1, Unit-2 and	
		Unit-3	
		STE 531 B, Categorical Data	Linear and Binary models
		Analysis, Unit3	

STE 531C, Demographic methods	Internal and International
and Analysis,Unit3	types of migration
Value added Certificate course on	All topics
R and Excel for Data science,	
Section 1, Section 2, Section 3 and	
Section 4	
Value added Course on R for	All topics
Advanced Statistical Methods and	
Machine Learning, Section 1 and 2	

c) Identifying skill /employability components

In all Softcore/OE/VAC papers of I, II, III and IV semesters, skill/employability components were identified and highlighted as follows:

SDMCU/STAT-PG-BOS/2022-23/01/04

Review of results of previous even sem exams and other achievements, feedback of the department/Stakeholders if any

The chairperson presented the activities conducted by the department and brought into notice the following consideration.

- The results of II and IV semester 2021-22 were presented and read before board and the members expressed their satisfaction towards the result and agenda was approved.
- The feedback and action taken reports on the syllabus 2021-22 collected from students and alumni's were presented before the board members.

The agenda was approved

SDMCU/STAT-PG-BOS/2022-23/01/05

Finalizing the list of examiners

The chairperson presented the drafted list of examiners for approval. The list was updated based on the following suggestions made by the members:

- Dr. AshwiniKumari, Asst. Prof., Department of Statistics, Nitte University (address changed).
- Ms. ShwethaKumari was added in the internal examiners list.

The revised list of examiners is given in Annexure 4.

The agenda was approved.

SDMCU/STAT-PG-BOS/2022-23/01/06

Any other matter

Under any other matter, the following discussion were held.

• The members suggested to maintain the e-library in the department.

The meeting was adjourned with vote of thanks

Sd/-Dr.SavithaRao (B.O.S. Chairperson)

SRI DHARMASTHALA MANJUNATHESHWARA COLLEGE (AUTONOMOUS) UJIRE – 574 240



(Re-Accredited by NAAC at 'A++' Grade)
Ph: 08256-236221, 236101(0), Fax: 236220

e-Mail:sdmcollege@rediffmail.com, sdmcollege@sdmcujire.in, Website: www.sdmcujire.in

Meeting - II

DEPARTMENT OF PG STUDIES & RESEARCH IN STATISTICS Proceedings of BOS meeting

Date: 18-08-2023

Time: 10:30 AM

Venue: Google Meet platform (Online)

AGENDA NO.	AGENDA
SDMCU/STAT-PG-BOS/2022-23/02/01	Reading the minutes of the previous BOS
	meeting and Action Taken Report
SDMCU/STAT-PG-BOS/2022-23/02/02	Revision and Approval of the syllabus:
	a) Identifying the issues of Gender Equity,
	Human Values, Environment, Professional
	Ethics
	b) Identifying the Local, National and Global
	issues in the courses
	c) Identifying skill/employability components
SDMCU/STAT-PG-BOS/2022-23/02/03	Revision and Approval of Soft core/OE/VAC
	courses if any
	a) Identifying the issues of Gender Equity,
	Human Values, Environment, Professional
	Ethics
	b) Identifying the Local, National and Global
	issues in the courses
	c) Identifying skill/employability components
SDMCU/STAT-PG-BOS/2022-23/02/04	Review of results of previous odd semester
	exams and other achievements, feedback of the
	department/ Stakeholders if any

inalizing the list of examiners
ny other matter

Members Present:

Sl. No.	Name and Address	Designation
1.	Dr. Savitha Rao	Chairperson
	Associate Professor & Head, Department of Statistics,	
	SDM College (Autonomous), Ujire.	
2.	Dr. Surekha B. Munoli	Subject Expert
	Professor,	
	Department of Statistics,	
	Karnatak University, Dharwad.	
3.	Dr. SujathaInginshetty	Subject Expert
	Professor,	
	Department of Statistics,	
	Gulbarga University, Gulbarga.	
4.	Dr. Harsha S.	University Nominee
	Guest Faculty,	
	Department of PG Studies and Research in Statistics,	
	Mangalore University, Mangalore.	
5.	Mr. Rajeesh	Industrial
	Data Analyst, Course – V,	Representative
	Transformative Intelligence Embassy Tech Village,	
	Bangalore.	
6.	Ms. Supriya S. P.	Member
	Assistant Professor,	
	Department of PG Studies in Statistics,	
	SDM College (Autonomous), Ujire.	
7.	Mr. Pradeep K.	Member
	Assistant Professor, Department of PG Studies in	
	Statistics, SDM College (Autonomous), Ujire.	

8.	Ms. Shwetha Kumari	Member
	Assistant Professor,	
	Department of PG Studies in Statistics,	
	SDM College (Autonomous), Ujire.	
9.	Ms. Ankitha M. K.	Member
	Assistant Professor,	
	Department of Statistics,	
	SDM College (Autonomous), Ujire.	

Members Not Present:

Sl. No.	Name and Address	Designation
1.	Ms. Pranamya Y.	Meritorious Alumni
	Lead Biostatistician,	
	Cactus Communications,	
	Mumbai.	

The Chairperson welcomed the members and presented the agenda.

Agenda 1

Reading the minutes of the previous BOS meeting held on 1-12-2022 and action taken report

The Chairperson read out the minutes of the previous meeting and action taken report. The following actions were taken based on the suggestions given by the members.

Suggestion 1

In the course 'Probability and Distributions - I', shift the topic "Standard discrete distribution" of unit-3 is to unit-2 and also specify the distributions. "Bivariate exponential" is added in unit-3 and also specify the continuous distributions. Adjust the hours of each unit accordingly.

Action Taken

These changes are incorporated.

Suggestion 2

In the course 'Theory of Sampling', remove the topics under "Official Statistics for National Development" and consider these as self-study concepts. Accordingly update the reference list.

Action Taken

These changes are incorporated.

Suggestion 3

In the course 'Probability and Distributions – II', combine unit-1 and unit-2 as unit-1 and remove the topic "Radon Nicodymderivative". Consider unit-3 as unit-2. Unit-4 was split in to unit-3 and unit-4. Accordingly adjust the hours of each unit.

Action Taken

These changes are incorporated.

Suggestion 4

In the course 'Design and Analysis of Experiments', remove "Study of various methods" from unit-3. Add the reference "A First Course in Linear Models in Design of Experiments by N. R. Mohan Madhyast, Ravi and Praveena (2020)". In the practical list, combine the first and second practical as single practical.

Action Taken

These changes are incorporated.

Suggestion 5

In the course 'Theory of Estimation', remove the topic "Plotting likelihood functions" from unit-1.

Action Taken

This suggestion is incorporated.

Suggestion 6

Change the title of the course 'Theory of Testing of Hypothesis' as 'Testing of Hypotheses'. Reduce the number of practicals by combining practicals on nonparametric tests.

Action Taken

These changes are incorporated.

Suggestion 7

In the course 'Regression Analysis', remove the topics "Use of prior information, restricted least squares estimators and mixed regression estimator, ARCH models". Combine unit-1 and unit-2 as unit-1. Consider unit-3 as unit-2, unit-4 as unit-3 and unit-5 as unit-4. Adjust the hours of each unit accordingly. Add "Simultaneous Equation Models" to the list of practicals.

Action Taken

These changes are incorporated.

Suggestion 8

Add the reference "Time Series Analysis and its Applications by Robert H. Shumway and David S. Stoffer" in the course 'Time Series Analysis'.

Action Taken

This suggestion is incorporated.

Suggestion 9

In the course 'Introductory Statistics and Data Analysis', remove the topics "Exploratory data analysis using descriptive measures and graphical tools". Add the topic "Permutation and combination" in unit-2. Adjust the hours of each unit accordingly.

Action Taken

These changes are incorporated.

Suggestion 10

In the course 'Questionnaire Design and Sample Selection', shift the topic "Steps involved in the development of a questionnaire' of unit-2 to unit-1. Add the topic "sampling and non-sampling errors" to unit-3.

Action Taken

These changes are incorporated.

Suggestion 11

In the course 'Data Visualization', rewrite the topic "Linear regression" as "Regression model with two variables" for more clarity.

Action Taken

This suggestion is incorporated.

Suggestion 12

In the course 'Inferential Statistics and Data Analysis', add the topics "Type I, type II errors and power of the test" as requisite basic concepts.

Action Taken

These changes are incorporated.

Suggestion 13

In the course 'Categorical Data Analysis', remove the topic "Maximum likelihood estimation: a single proportion". Rewrite the topic "Inferential statistics for three way tables" as "Analysis of three way tables".

Action Taken

These changes are incorporated.

Suggestion 14

In the course 'Demographic Methods and Analysis', remove "Migration" from unit-1 and unit-2 completely. Consider unit-3 as unit-2, excluding the topics under "Life table and its components". Add the topics under "Life table and its components" and "Population projection" in unit-3. Adjust the hours of each unit accordingly. Add two references "Technical Demography" and "Basic Demographic Techniques and Applications.

Action Taken

These changes are incorporated.

Suggestion 15

In the course 'Big Data Analytics', combine unit-1 and unit-2 as unit-1. Consider unit-3 as unit-2. Add the topics "Types of BI Tools and software, benefits of business

intelligence, applications in an enterprise", topics under "Data mining", "Data visualization tools and techniques" in unit-2. Add the topics under "Data warehousing and online analytical processing", "Outlier detection methods and statistical approaches", topics under "Classification methods" in unit-3. Add the topics under "Artificial neural networks" and "Text mining" in unit-4.

Action Taken

These changes are incorporated.

Suggestion 16

Highlighting of local, national and global issues, and skill components such as knowledge component, problem-solving skill, decision-making skill, conceptual understanding and basic computing skill, analytical skill and employability in all the theoretical papers (hardcore and softcore) of I, II, III and IV semesters, in order to reflect on the relevance and scope of the syllabus.

Action Taken

These highlights are incorporated.

The agenda was approved.

Agenda 2

Revision and Approval of the syllabus

The chairperson presented the existing syllabus before the board members and the same was approved in the meeting. The members suggested updating the year/versions of the books listed under references of all the courses in the syllabus.

a) Identifying the issues of Gender Equity, Human Values, Environment, Professional Ethics

There were no such issues identified.

b) Identifying the Local, National and Global issues in the courses

There were no such issues identified.

c) Identifying skill/employability components

There were no such issues identified.

The agenda was approved.

Agenda 3

Revision and Approval of Soft core/OE/VAC courses if any

Suggestions made by the board members were as follows:

- It was decided to shift the course 'Artificial Intelligence' from 1st semester to 4th semester, and shift 'Elements of Statistical Computing' from 4th semester to 1st semester as softcore alternatives.
- Also the members suggested providing a list of practicals for the course 'Operations Research' in the 4th semester.

a) Identifying the issues of Gender Equity, Human Values, Environment, Professional Ethics

There were no such issues identified.

b) Identifying the Local, National and Global issues in the courses

There were no such issues identified.

c) Identifying skill/employability components

There were no such issues identified.

The agenda was approved.

Agenda 4

Review of results of previous odd semester exams and other achievements, feedback of the department/Stakeholders if any

The results of I & III Semester 2022-23 were presented before the board members. The members expressed their satisfaction towards the result.

The agenda was approved.

Agenda 5

Finalizing the list of examiners

The draft list of examiners was presented for approval. The list is updated based on the following suggestions made by the board members:

- 1. Prof. Shanthiprakash, Professor (Rtd.), Department of Statistics, SDM College (Autonomous), Ujire. (Designation changed, since he got retired.)
- 2. Dr. Savitha Rao, Associate Professor & Head, Department of Statistics, SDM College (Autonomous), Ujire. (Designation changed)

- 3. Ms. Ankitha M. K., Assistant Professor, Department of Statistics, SDM College (Autonomous), Ujire, was deleted, since she is presently working in PU College.
- 4. Dr. N. Balakrishna, Professor, Department of Statistics, Cochin University of Science and Technology, Cochin, was deleted, since he got retired.
- 5. Dr. Asha Kamath, Professor & Head, Department of Statistics, Manipal University, Manipal. (Designation changed)
- 6. Dr. Vasudeva Gudattu, Professor, Department of Statistics, Manipal University, Manipal. (Designation changed)
- 7. Dr. M. Manoharan, Professor (Rtd.), Department of Statistics, Calicut University, Malappuram, Kerala. (Designation changed, since he got retired.)
- 8. Dr. Raghunath M., Assistant Professor, Department of Mathematics, Sardar Patel Institute of Technology, Mumbai. (Address changed)
- 9. Dr. Ashwini Kumari, Assistant Professor, Department of Mathematics, NMAM Institute of Technology, Nitte, Karkala. (Address modified)
- 10. Ms. Ashma Dorothy Monteiro, Assistant Professor, Department of Statistics, Manipal University, Manipal, was added.

Revised list is approved. The agenda was approved.

Agenda 6: Any other matter

Under any other matter, discussion was held regarding the eligibility criteria for admission to M.Sc. Statistics programme and was modified as follows, based on the suggestions given by the board members:

B.Sc. Degree from recognized University, with Statistics/Mathematics as major/optional subject at the undergraduate level with 45% aggregate excluding languages (40% for SC/ST/Category-I candidates).

The meeting was adjourned with vote of thanks.

Sd/Dr. Savitha Rao
(B.O.S. Chairperson)