

# **P. G. Department of Geography**

**Syllabus: 2023**

**Value Added/ Add-On Courses**



**Fakir Mohan University**  
**Nuapadhi, Balasore – 756 089, Odisha**

**Syllabus of the Value Added Course on  
Data Analysis using MS Excel and SPSS (2023-24)**

**COURSE STRUCTURE, SYLLABUS & MARKING PATTERN**

**CODE:**

GG-VAC-DAES

**TOTAL CREDIT:**

02

**MAXIMUM MARKS:**

100

**TEACHING HOURS:**

36

**MODE:**

Blended

**EVALUATION SYSTEM:**

Continuous

**SYLLABUS**

Data: Concept and Types; Presentation of Data; Basic Functions in MS Excel; Computation in MS Excel; Graphical Presentation of Data: Bar Diagram; Histogram; Line Graph; Scatter Plot; Pie Chart; Age-Sex Pyramid; Fundamentals of SPSS: SPSS and its Features; Creation of Data Frame; Recoding of Variables; Frequency Distribution and Cross-tabulation; Advanced Statistics using SPSS: Computing Variables, Construction of Index, Correlation Analysis, Regression Analysis.

**MARKING PATTERN:**

<b>Home Assignment/ Data Analysis Report</b>	<b>Objective Test (MCQ)</b>	<b>End Term Examinations*</b>	<b>Viva-Voce</b>	<b>Total</b>
20	20	40	20	100

*\* Including Experiments*

**Syllabus of the Value Added Course on**  
**Q GIS (2023-24)**

**COURSE STRUCTURE, SYLLABUS & MARKING PATTERN**

**CODE:**

GG-VAC-QGIS

**TOTAL CREDIT:**

02

**MAXIMUM MARKS:**

100

**TEACHING HOURS:**

36

**MODE:**

Blended

**EVALUATION SYSTEM:**

Continuous

**SYLLABUS**

Introduction to Q GIS, Plugin and XYZ tiles, Projection and Geo-referencing of toposheet and satellite images, Creation of Shp file and Digitization, Re-projection, Attribution, Labeling, Data Joining, Conversion, Geo-processing tools, Raster clipping, Topology and Layout.

**MARKING PATTERN:**

<b>Home Assignment/ Data Analysis Report</b>	<b>Objective Test (MCQ)</b>	<b>End Term Examinations*</b>	<b>Viva-Voce</b>	<b>Total</b>
20	20	40	20	100

*\* Including Experiments*

**Syllabus of the Value Added Course on  
Introduction to Stata Software (2023-24)**

**COURSE STRUCTURE, SYLLABUS & MARKING PATTERN**

**CODE:**

GG-VAC-STATA

**TOTAL CREDIT:**

02

**MAXIMUM MARKS:**

100

**TEACHING HOURS:**

36

**MODE:**

Blended

**EVALUATION SYSTEM:**

Continuous

**SYLLABUS**

Understanding of Data Types and Data Structure; Data entry to validation, Data Transformation; Recode the variable with Syntax/ Codes; Basics Statistical Analysis: Frequency Distribution, Cross tabulation, Statistical test, and Descriptive Statistics; Correlation and Regression analyses.

**MARKING PATTERN:**

<b>Home Assignment/ Data Analysis Report</b>	<b>Objective Test (MCQ)</b>	<b>End Term Examinations*</b>	<b>Viva-Voce</b>	<b>Total</b>
20	20	40	20	100

*\* Including Experiments*

**Module of the Add-on Course on  
Employability Skill Development (2023-24)**

**COURSE STRUCTURE, SYLLABUS & MARKING PATTERN**

<b>CODE:</b>	GG-ADDON-EMPSKILL
<b>TOTAL CREDIT:</b>	02
<b>MAXIMUM MARKS:</b>	100
<b>TEACHING HOURS:</b>	36
<b>MODE:</b>	Physical (In Collaboration with external agencies having expertise)
<b>EVALUATION SYSTEM:</b>	Continuous

**PROGRAMME OBJECTIVES**

1. To help students overcome their fear of speaking in English
2. To instil confidence in students and make them socially aware and responsible citizens
3. To equip learners with the necessary skills and knowledge required to enhance their employability and succeed in the job force
4. To increase students employability quotient

**MODULE**

Sl. No.	Topic/ Title	Duration	Skill
1	I am Unique	2 hrs	Life Skill
2	Body Language & Professional Grooming	2 hrs	Soft Skill
3	English - Language for Career	2 hrs	Communication Skill
4	Goal setting & Time Management	2 hrs	Soft Skill
5	Good health for good life	2 hrs	Life Skill
6	Job Opportunity	2 hrs	Interview Skill
7	Professional Communication	2 hrs	Communication Skill
8	Group Discussion	2 hrs	Interview Skill
9	Money Management	2 hrs	Soft Skill
10	Professional Ethics	2 hrs	Soft Skill
11	Critical Thinking	2 hrs	Life Skill
12	Presenting a Project	2 hrs	Soft Skill
13	Group Presentation	2 hrs	Presentation Skill
14	Digital Identity	2 hrs	Life Skill
15	Problem solving	2 hrs	Soft Skill
16	Interview Preparation	4 hrs	Life Skill - Interview skill
17	Key Issues on Employability	2 hrs	Overall Skill
	<b>Total</b>	<b>36 Hours</b>	

**MARKING PATTERN:**

Home Assignment/ Data Analysis Report	Objective Test (MCQ)	End Term Examinations	Viva-Voce	Total
20	20	40	20	100

***Finalized and Approved by the Board of Studies of Geography in its 9<sup>th</sup> meeting held on 12.10.2023***