दिनांक- ०२.०८.२०१९

श्री. ना. दा. ठाकरसी महिला विद्यापीठ, पुणे आवार,

पदव्युत्तर अध्ययन आणि संशोधन विभाग,

विद्यार्थिनींसाठी सूचना

भूगोल विभाग - डेटा प्रेझेंटेशन इन जिओग्राफी

(Data Presentation In Geography)

भूगोल विभागातील विद्यार्थिनींसाठी १६ ऑगस्ट ते १५ ऑक्टोबर २०१९ दरम्यान दोन क्रेडिट कोर्सचा **"डेटा प्रेझेंटेशन इन जिओग्राफी"** हा सर्टिफिकेट कोर्स आपल्या विभागात सुरू करत आहोत. ज्या विद्यार्थिनींना या कोर्ससाठी प्रवेश घ्यावयाचा आहे अशा विद्यार्थिनींनी आपली नावे डॉ. रत्नप्रभा जाधव यांच्याकडे दिनांक ०९ ऑगस्ट नोंदवावीत.

सदर कोर्स फक्त आपल्या विभागातील विद्यार्थिनींसाठी उपलब्ध असेल.

भूगोल विभाग प्रमुख
श्री. ना. दा. ठा. महिला विद्यापीठ
पि.जी.एस.आर. विभाग, कर्वे रोड,
पुणे-४११ ०३८.

SNDT Women's University, Mumbai

Department of Geography, PGSR, Pune Campus

Value Added Course in the Academic Year 2019-20

Course Title: Data Presentation in Geography

Credit: 2 **Duration : 2 Months**

Course Description:

This course introduces students to the concepts, methods, and techniques of collecting, analyzing, and interpreting geographical data. It focuses on the cartographic techniques used in geographical data visualization and presentation.

Course Objectives:

To understand the importance of data in geographic research.

To learn various data collection methods and sources.

To develop skills in data visualization and presentation.

To introduce basic statistical techniques for geographical analysis.

Module 1 : Introduction to Data in Geography 10 hours

I) Data, Data types - Primary and Secondary Data,

II) Geographical data, Types of geographical data quantitative and qualitative data, Spatial and non-spatial data,

III) Data sources

IV) Data collection methods

Module 2: Data Presentation 20 hours

I) Data Coding, Data Tabulation and Classification,

II) Data visualization techniques - One, Two Dimensional Diagrams and Distributional Diagrams

III) Use of MS-Excel for data visualization and presentation, Interpretation of data presentation

IV) Students work on individual or group projects applying data analysis techniques to geographical research questions

V) Project presentations and Discussions

References :

Bivand, R., Pebesma, E., & Gómez-Rubio, V. (2013). Spatial statistics and geostatistics: Theory and applications for geographic information science and technology. Wiley.

Haining, R. H. (2003). Spatial analysis: A guide for ecologists. Cambridge University Press.

de Smith, M. J., Goodchild, M. F., & Longley, P. A. (2020). Geospatial analysis: A comprehensive guide to principles, techniques, and software tools. The Winchelsea Press.

Bivand, R. S., Pebesma, E. J., & Gómez-Rubio, V. (2013). Applied spatial data analysis with R. Springer.

Fischer, M. M., & Getis, A. (2010). Spatial analysis: Statistics, visualization, and computational methods. Springer.

LeSage, J., & Pace, R. K. (2009). Introduction to spatial econometrics. CRC Press.

Ripley, B. D. (2004). Spatial statistics. Wiley.

Ebdon, D. (1985). Statistics in geography: A practical approach. Blackwell.

Rogerson, P. A. (2001). Statistical methods for geography. Sage.

Course Assessment :

1. Assignment : 20 Marks
2. Project Work : 25 Marks
3. Project Presentation : 25 Marks
4. Written Exam : 30 Marks

Course-Coordinator

Head
Dept. of Geography
S.N.D.T. Women's University
P.G.S.R. Dept. Karve Road,
Pune-411 038.