



SECOND-YEAR OF BACHELOR OF ARTS SKILL ENHANCEMENT COURSE REVISED SYLLABUS ACCORDING TO CBCS NEP2020

COURSE TITLE: WEB GIS
SEMESTER-III, W.E.F. 2024-2025

**RECOMMENDED BY THE BOARD OF STUDIES IN GEOGRAPHY
AND**

**APPROVED BY THE ACADEMIC COUNCIL
Devrukh Shikshan Prasarak Mandal's**

**Nya. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce, and
Vid. Dadasaheb Pitre Science College (Autonomous), Devrukh.
Tal.Sangmeshwar, Dist. Ratnagiri-415804, Maharashtra, India**

Academic Council Item No: 03

Name of the Implementing Institute	:	Nya. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce, and Vid. Dadasaheb Pitre Science College (Autonomous), Devrukh. Tal. Sangmeshwar, Dist. Ratnagiri-415804,
Name of the Parent University	:	University of Mumbai
Name of the Programme	:	Bachelor of Arts
Name of the Department	:	Geography
Name of the Class	:	Second Year
Semester	:	Fourth
No. of Credits	:	02
Title of the Course	:	Web-GIS
Course Code	:	GESE201
Name of the Vertical in adherence to NEP 2020	:	Skill Enhancement Courses (SEC) for Basket
Eligibility for Admission	:	
Passing Marks	:	40%
Mode of Assessment	:	Summative
Level	:	UG
Pattern of Marks Distribution for TE and CIA	:	NA
Status	:	NEP-CBCS
To be implemented from the Academic Year	:	2024-2025
Ordinances /Regulations (if any)		

Nya. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce and Vid. Dadasaheb Pitre Science College, Devrukh (An Autonomous College Affiliated with University of Mumbai)

Syllabus for Vocational Skill Course Connected to Major/ Minor Geography

(With effect from the academic year 2024-2025)

SEMESTER-IV

COURSE CODE: GESE202

Course Title: Web-GIS

No. of Credits - 02

Type of Vertical: Skill Enhancement Course

Learning Outcomes Based on BLOOM's Taxonomy:

After completing the course, the learner will be able to...

Course Learning Outcome No.	Blooms Taxonomy	Course Learning Outcome
CLO-01	Remember	
CLO-02	Understand	
CLO-03	Apply	
CLO-04	Analyze	
CLO-05	Evaluate	
CLO-06	Create	

Syllabus for Vocational Skill Course Connected to Major/ Minor Geography**(With effect from the academic year 2024-2025)****SEMESTER-IV****COURSE CODE: GESE202****Course Title: Web-GIS****No. of Credits - 02****Type of Vertical: Skill Enhancement Course**

COURSE CONTENT			
Module No.	Content	Credits	No. of Hours
2	1. Working with Google Maps 2. Working with Google Earth 3. Online Geocoding / Reverse Geocoding 4. ISRO Bhuvan Portal 5. censusgis.org 6. Open Street Map 7. Wikimapia.org 8. Bharatmaps.gov.in 9. State GIS Portals 10. WMS Servers and Data Visualization.	02	60
	Total	02	60

Required Previous Knowledge

The learner should know the Basics of GIS and Computer.

Access to the Course

The course is available for all the students admitted for Bachelor of Arts and selected Geography as an optional Subject.

Methods of Assessment:

Vocational skill Courses, Skill Enhancement Courses and courses having laboratory sessions shall be assessed at the end of each semester.

Grading Scale

The grading scale used is O to F. Grade O is the highest passing grade on the grading scale, and grade F is a fail. The Board of Examinations of the college reserves the right to change the grading scale.

References:

1. Peter A. Burrough and Rachael A. McDonnell, 2011, Principles of Geographic Information Systems, Oxford University Press.
2. Ian Heywood, Sarah Cornelius, and Steve Carver, An Introduction to Geographic Information System, 2010, third edition, Pearson Education Ltd.
3. David O'Sullivan and David J. Unwin, 2010, Geographic Information analysis, second edition, John Wiley & Sons.
4. Paul A. Longley, Michael F. Goodchild, David J. Maguire, David W. Rhind, 2011, Geographic Information Systems and Science, third edition, John Wiley & Sons.
5. John R. Jenson and Ryan R. Jensen, 2013, Introductory Geographic Information system, Pearson Education.
6. <https://dst-iget.in/remote-sensing/>
- 7.