

कोंकणी विकिपिडियाचें संपादन

Name of the Course:	“कोंकणी विकिपिडियाचें संपादन”		(गूण-१००)
Duration:	०६ म्हयने (३० तासिका)	Modules:	03
Course Objectives:			
<ul style="list-style-type: none">❖ विद्यार्थ्यांक कोंकणींत ललितेतर साहित्याच्या लेखनाचें मार्गदर्शन मेळटलें.❖ विद्यार्थ्यांक कोंकणींत उपलब्ध आशिल्ल्या तंत्रज्ञानाची म्हायती मेळटली.❖ विद्यार्थ्यांक विकिमिडिया विशीं गिन्यान मेळटा.❖ विद्यार्थ्यांक कोंकणी विकिपिडिया संदर्भांतली तंत्रीक म्हायती कळटा.❖ विद्यार्थ्यांक कोंकणी विकिपिडिया करपाचे पांवडे कळटात.❖ विद्यार्थ्यांक कोंकणी देवनागरी टायपींग करूंक येतलें.			
Course Outcomes:			
<ul style="list-style-type: none">❖ विद्यार्थ्यां मदीं ललितेतर साहित्या बरोवपाची कळाशी निर्माण जातली.❖ विद्यार्थी टंकलेखन शिकून ताचो वापर दिसपट्ट्या जिवितांत करतलो.❖ विद्यार्थी कोंकणी विकिपिडिया वांगडाच विकिमिडीया कॉमन्स ह्या प्रकल्पाची अदीक म्हायती आत्मसात करतलो.❖ विकिपिडियाचेर संपादन करपाचें गिन्यान मेळटलें .			
Course Pre-requisites:			
<ul style="list-style-type: none">❖ विद्यार्थ्यांक देवनागरींत टंकलेखन करपाचें गिन्यान आसप गरजेचें.❖ विद्यार्थ्यांक ललितेतर लेखनाची आवड आसप म्हत्वाचें.❖ विद्यार्थ्यांक नव्या विशयांचेर नवी म्हायती एकठांय करपाची आवड आसपाक जाय.❖ कोंकणी भाशेचें आनी साहित्याचें गिन्यान आसचें.❖ संगणक आनी इंटरनेटाचें गिन्यान आसचें.			
Career Prospects:			
<p>कोंकणी विकिपिडियाचेर संपादन कशें करप हाचेर हो अभ्यासक्रम भर दिता, ताचेच वांगडा ह्या संपादन अभ्यासक्रमाचो वापर कोंकणी भाशेच्या विकिपिडिया वांगडाच हेर भाशेंतल्या विकिपिडियाचेर योगदान दिवपाक शकतलो. तंत्रगिन्यानाच्या म्हायती वांगडाच विद्यार्थी ललितेतर लेख बरोवपाची कला आत्मसात करतलो. ताचेच वांगडा संदर्भाचो वापर करून लेख बरोवपाचेर विद्यार्थी भर दितलो. कोंकणींतली दिसाळीं, नेमाळीं आनी पुस्तकां वाचपाक प्रोत्साहन मेळटलें. फुडारांत तांकां ह्या कौशल्याचो वापर तांच्या अध्यापनांत जातलो.</p>			
Course Contents			
			वरां
	1. विकिमिडिया : अर्थ आनी इतिहास. 2. विकिपिडिया :अर्थ, स्वरूप आनी इतिहास. 3. कोंकणी विकिपिडिया: आरंभ आनी वाटचाल. 4. कोंकणी देवनागरी टायपींग.		10

HPSM's Ganpat Parsekar College of Education, Harmal-Goa
Short Term Certificate Course

	1. विकिपिडिया खातीर लेखन: अ. विकिपिडिया संस्करणाचे पांवडे. 2. हेर भासांतले लेख कोंकणींत हाडपाची प्रक्रिया.	10
	1. विकिमिडिया कोमन्स : विशयाक संबंदीत चित्रां अपलोड करप. 2. कोंकणी विकशनरी : संस्करणाचे पांवडे.	10
	वट्ट वरां	30
Pedagogy	व्याख्यान, पी. पी. टी., चर्चा स्वाध्याय	
अंतर्गत मूल्यमापना खातीर विद्यार्थ्यांक स्वाध्याय, प्रात्यक्षिकां दितले.		
विषयतज्ञः		
१. डॉ. फा. लुईस गोमीश		
२. प्रा. दर्शन कांदोळकर		
३. प्रा. वैशाली परब		
४. प्रा. दिवाकर गुरव		
५. प्रा. गोविंद मोपकार		

Course Coordinator:

Ms. Vaishali Parab

प्रभारी, कोंकणी विभाग

Mushroom Cultivation

Name of the Course:	Mushroom Cultivation		
Duration:	30 Hours	Total Modules:	07
Course Objectives:			
The course aims to –			
<ol style="list-style-type: none"> 1. Enable students to distinguish between edible and poisonous mushrooms. 2. Provide hands-on training for preparing beds for mushroom cultivation and spawn production. 3. Students will be exposed to the expertise and functioning of Goan mushroom farms 4. Students will acquire entrepreneurship skill and to generate income. 			
Course Outcomes:			
The students will be able			
<ol style="list-style-type: none"> 1. Learn to recognise edible forms of mushrooms and how to cultivate a variety of edible mushroom species, as well as how to produce spawn. 2. Control pests and diseases that affect mushrooms 3. Develop entrepreneurship skill and to generate income. 			
Course Pre-requisites:			
1.			
Career Prospects:			
1.			
Course Contents			
Modules: I		Duration: 03 Hours	
Introduction:			
Mushrooms - Vegetative characters , History and Scope of mushroom cultivation, Life cycle of Mushroom, types of Mushroom, Edible and Poisonous Mushrooms. Common edible mushrooms: Button mushroom (<i>Agaricus bisporus</i>), Milky mushroom (<i>Calocybe indica</i>), Oyster mushroom (<i>Pleurotus sajorcaju</i>) and paddy straw mushroom (<i>Volvariella volvcea</i>).			
Modules: II		Duration: 01 Hour	
Nutritive and Medicinal Benefits of Mushrooms:			
Nutritional and medicinal values of mushrooms. Therapeutic aspects- antitumor effect. Ethanobotanical importance of Mushrooms. Pharmaceutical importance of mushrooms.			
Modules: III		Duration: 08 Hours	
Preparation of Spawn			
Spawn production - culture media preparation, production of pure culture, mother spawn, and multiplication of spawn. Cultivation of oyster and paddy straw mushroom. Problems in cultivation - diseases, pests and nematodes, contaminations and their management strategies.			
Module: IV		Duration: 10 Hours	

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Short Term Certificate Course

Cultivation of Mushroom Structure and construction of mushroom space and methods of Sterilization. Composting technology, mushroom bed preparation. Suitable conditions required for growing mushroom, Cropping place, Different steps in cultivation: Sterilization and sanitation of mushroom house, instruments and substrates. Spawn preparation: Preparation of mother culture, media preparation, inoculation, incubation and spawn production. Cultivation of oyster mushroom using paddy straw/agricultural wastes.	
Module: V	Duration: 02 Hours
Post-harvest technology Preservation of mushrooms - Freezing, dry freezing, drying, canning, quality assurance and entrepreneurship. Value added products of mushrooms	
Module: VI	Duration: 01 Hour
Preparation of dishes Preparation of Mushroom dishes with the product	
Module VI	Duration: 05 Hours
Training/ Workshop/ Field visit Field visit and training from experts	

Course Coordinator:

Ms, Akshatra Fernandes

Communicate with Confidence: Grammar, Writing, and Speaking Excellence

Name of the Course:	Communicate with Confidence: Grammar, Writing, and Speaking Excellence		
Duration:	30 Hours	Modules:	III
Course Objectives:			
The course aims to:			
<ol style="list-style-type: none">1. Develop Proficiency in Grammar.2. Enhance Writing Skills.3. Improve Speaking and Presentation Skills.4. Cultivate Effective Communication Skills.5. Foster Critical Thinking and Creativity.6. Promote Intercultural Communication.			
Course Outcomes:			
<ol style="list-style-type: none">1. The student will have significantly improved their grammar proficiency, writing skills, and speaking abilities.2. The student will be equipped with the necessary tools to communicate effectively in both formal and informal settings.3. The student will have developed critical thinking skills, creativity, and intercultural communication competence.4. The student will be able to succeed in academic, professional, and social environments where strong English language skills are essential.			
Course Pre-requisites:			
<ol style="list-style-type: none">1. Students should have a basic command of the English language.2. They should be able to understand and communicate in English at an intermediate level.3. Students should possess adequate reading comprehension skills to understand written texts of moderate complexity.4. They should be able to extract information, identify main ideas, and comprehend context from written passages.5. Students should have a foundation in basic writing skills, including sentence construction, paragraph organization, and coherent expression.6. They should be able to write simple paragraphs and short essays.7. Students should have some ability to engage in spoken communication in English.8. They should be able to participate in basic conversations, express opinions, and share ideas orally.9. Students should have a basic understanding of English vocabulary and common grammatical structures.			

10. They should be familiar with parts of speech, verb tenses, basic sentence patterns, and common vocabulary.

Career Prospects:

The acquisition of grammar, writing skills, and speaking skills can greatly enhance career prospects across a wide range of industries and professions. Here are some career paths where these skills are particularly valuable:

1. **Content Writing and Copywriting:** Strong grammar and writing skills are essential for creating engaging and persuasive content for various mediums such as websites, blogs, social media, and marketing materials.
2. **Journalism and Publishing:** Proficiency in grammar, writing, and speaking allows individuals to pursue careers as journalists, editors, or publishers, where effective communication is crucial for reporting news, editing manuscripts, and managing publications.
3. **Public Relations and Communications:** The ability to write and speak effectively enables professionals to excel in public relations roles, crafting press releases, managing media relations, and delivering compelling presentations.
4. **Teaching and Education:** A solid foundation in grammar, writing, and speaking skills is essential for educators at all levels. These skills are vital for delivering lessons, providing feedback, and helping students develop their language abilities.
5. **Translation and Interpretation:** Proficiency in grammar, writing, and speaking can lead to opportunities in translation and interpretation, enabling individuals to bridge language barriers and facilitate effective communication between different cultures.
6. **Customer Service and Sales:** Effective communication skills are highly valued in customer service and sales roles, where individuals need to engage with customers, address inquiries, and present products or services persuasively.
7. **Public Speaking and Presenting:** Strong speaking skills are valuable for careers that involve public speaking, such as motivational speaking, corporate training, leadership roles, or any profession that requires presenting information to large audiences.
8. **Business and Professional Writing:** Grammar and writing skills are crucial in the business world, where professionals are required to write reports, proposals, emails, and other business documents with clarity, accuracy, and professionalism.

9. Freelance Writing and Content Creation: Grammar, writing, and speaking skills open up opportunities for individuals to work as freelance writers, bloggers, or content creators, providing their expertise to various clients and platforms.
10. Research and Academia: Strong language skills are essential for conducting research, writing scholarly papers, and presenting findings in academic and research settings.

These are just a few examples, and the demand for individuals with strong grammar, writing skills, and speaking abilities extends to numerous other fields and professions. Regardless of the career path, effective communication is a highly sought-after skill that can significantly enhance professional opportunities and success.

Course Contents

Modules: I

Duration: 10 Hours

Grammar Essentials

1. Introduction to English Language and Communication:
 - a. Overview of the English language
 - b. Importance of effective communication skills
 - c. Language variations and registers
2. Introduction to Grammar:
 - a. Parts of speech (nouns, verbs, adjectives, adverbs, etc.)
 - b. Sentence structure and syntax
 - c. Basic grammatical rules and conventions
3. Grammar Refinement:
 - a. Verb tenses and their usage
 - b. Subject-verb agreement
 - c. Pronouns and their antecedents
 - d. Modifiers and their placement
4. Punctuation and Mechanics:
 - a. Proper use of commas, periods, semicolons, and other punctuation marks
 - b. Capitalization rules
 - c. Spelling and common spelling errors
 - d. Sentence fragments and run-on sentences
5. Sentence Construction and Clarity:

- a. Sentence types (simple, compound, complex)
- b. Sentence combining and sentence variety
- c. Subject-verb-object agreement
- d. Parallelism and coordination

Modules: II

Duration: 10 Hours

Writing Skills:

1. Writing Fundamentals:

- a. Sentence construction and paragraph development
- b. Organizing ideas and creating a clear structure
- c. Developing a thesis statement and supporting arguments
- d. Enhancing coherence and cohesion in writing
- e. Editing and proofreading techniques

2. Vocabulary Development:

- a. Expanding vocabulary through reading and word study
- b. Building word associations and contextual understanding
- c. Learning and using idiomatic expressions and phrasal verbs
- d. Effective use of synonyms, antonyms, and collocations

3. Writing Styles and Genres:

- a. Different types of writing (e.g., narrative, descriptive, persuasive)
- b. Understanding audience and purpose in writing
- c. Crafting effective introductions and conclusions
- d. Writing formal emails, letters, reports, and essays
- e. Developing a personal writing style

Modules: III

Duration: 10 Hours

Speaking Skills:

1. Speaking and Presentation Skills:

- a. Improving pronunciation, intonation, and rhythm
- b. Practising articulation and clear speech
- c. Developing effective presentation techniques
- d. Overcoming stage fright and building confidence
- e. Engaging in interactive discussions and debates

2. Listening and Comprehension:

- a. Active listening techniques

- b. Identifying main ideas and supporting details
- c. Understanding different accents and speech patterns
- d. Note-taking strategies for effective comprehension
- e. Developing listening skills through audio and video materials

3. Critical Thinking and Analytical Skills:

- a. Analysing and evaluating written and spoken texts
- b. Identifying biases and logical fallacies
- c. Developing persuasive arguments and counterarguments
- d. Understanding rhetorical devices and persuasive techniques
- e. Applying critical thinking skills in writing and speaking tasks

4. Cross-Cultural Communication:

- a. Recognizing cultural influences on communication
- b. Understanding non-verbal cues and body language
- c. Adapting communication styles for diverse audiences
- d. Respecting cultural differences in language use
- e. Enhancing intercultural competence in Communication

Course Coordinators:

1. Ms. Durva Mandrekar

Co-Coordinator

1. Mr. Siddhesh Raut
2. Ms. Rebecca Pinto
3. Nikita Shirodkar

Department of Geography

Name of the Course:	Fundamentals of GIS Using Open-Source Software (QGIS)		
Duration:	30 hours	Modules:	04
Course Objectives:			
<ol style="list-style-type: none"> 1. Create awareness and interest of digital cartography among the students 2. Appreciate and inculcate the map making and map reading skills. 3. To provide hands on experience in Map making and data analysis 4. Orient and train the students for future career opportunities in GIS 			
Course Pre-requisites:			
<ol style="list-style-type: none"> 1. Basic Knowledge of Computers 2. Map reading Skills 3. Knowledge of basic geographic concepts 			
Course Outcomes:			
Upon successful completion of this Course, Students should be able to:			
<ol style="list-style-type: none"> 1. Describe how to do a geo-referencing in geographic information system 2. Identify the two types of data used in GIS 3. Explain the meaning of geographical coordinate system 4. List the several components of the coordinate reference system 5. Explain the meaning of a map 6. Identify the different types of maps used in geographic information system 7. Identify and evaluate GIS data sources and the importance of metadata 8. Demonstrate the process of converting analogue data to digital data for use in a GIS 9. Identify, compare and contrast vector and raster GIS 10. Evaluate the capabilities of various GIS software programs 11. Apply cartographic principles of scale, resolution, projection and data management to a problem of a geographic nature 12. Apply spatial analysis functions on a GIS to solve a Geospatial problem 13. Describe data storage, editing and retrieval techniques used in a GIS 			
Course Contents			
Module I:		Duration: 07 hours	
Basics of Remote Sensing:			
Basics of Remote Sensing, Platforms and Application, EM Spectrum, Resolution and types of satellites.			
Introduction to GIS:			
Concept of GIS, Hardware and Software, downloading and installing QGIS Software, overview of different types of software's, basic functions, etc.			
Data Products			
Toposheets, Satellite Images, Aerial Photographs, Shapefiles, DEM & DTM; Exploring data from Bhuvan Portal and USGS Earth Explorer.			
Exploring Google Earth			
Create point, line and polygon feature, measuring area and distance, creating shapefile and digital elevation model, working with historical images and downloading high resolution aerial images.			
Module II:		Duration: 07 hours	

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Short Term Certificate Course

Geospatial Data Access

Accessing existing data into GIS, creating multiple copies, re-projecting vector and raster files, Saving Projects, Symbology.

Digitization using QGIS Software

Creating vector layers in GIS, Basic and Advanced editing, Topology building, Correction methods

Attribution

Creating and modifying tables, attaching attribute information to vector layers, using field calculators

Module III:

Duration: 09 hours

Data Retrieval

Querying: Attribute Queries and Location Queries, Saving query outputs and preparation of maps

Vector Operations

Basic vector operations: Merge, Dissolve, Intersect, union, Clip, Erase and spatial join

GPS Survey

Handling GPS receiver, taking waypoints, Importing GPS points in GIS software, attribute attachment

Module III:

Duration: 07 Hours

Thematic Maps

Creating different types of thematic maps ex. Population map

Raster Processing

TCC AND FCC Image, Elevation, Contour, Slope, Aspect, 3D Map, Land use land cover map supervised classification and unsupervised classification, Natural Differentiation Vegetation

Index

Print Layout

Adding north Title, North Arrow, Scale bar and Text, Legend, Picture, Grid etc., Page layout, Exporting map into different formats (pdf, word, jpeg,

Course Coordinators:

Mr. Ramnath Gaonkar

Ms. Nikita Sawant

प्रयोजनमूलक हिन्दी

Name of the Course:	प्रयोजनमूलक हिन्दी		
Duration:	30 घंटे	Modules:	05
Course Objectives:			
<ol style="list-style-type: none">छात्रों को अनुवाद के महत्व से परिचित करना।हिंदी में विविध रोजगार की उपब्धियों से वाकिफ़ कराना।अहिंदी प्रदेश में हिंदी भाषा की एक मजबूत नींव तैयार करना।प्रिंट तथा इलेक्ट्रॉनिक माध्यमों में प्रयोग होनेवाली हिन्दी भाषा से अवगत कराना।भाषा के विभिन्न रूपों की जानकारी देना।			
Course Outcomes:			
<ol style="list-style-type: none">आदर्श अनुवादक तैयार होंगे।हिंदी में विविध रोजगार से वाकीफ़ होंगे।हिंदी भाषा की सूक्ष्म जानकारी प्राप्त करेंगेप्रिंट तथा इलेक्ट्रॉनिक मीडिया में रोजगार प्राप्ति की दृष्टि से प्रयत्न कर सकेंगे।मीडिया के क्षेत्र में बदलते हिंदी के स्वरूप को समझ सकेंगे।			
Course Pre-requisites:			
<ol style="list-style-type: none">छात्रों को हिंदी भाषा की बनियादी ज्ञान होना आवश्यकछात्रों को हिंदी भाषा के प्रति रुचि होना आवश्यकमीडिया लेखन की बारीकियों को समझने की जिज्ञासा होना आवश्यक			
Career Prospects:			
प्रयोजनमूलक के अंतर्गत समाचार लेखन, अनुवाद, ब्लॉग लेखन जैसी विधाओंपर प्रस्तुत पाठ्यक्रम क्रेडित होने के कारण छात्रों को इन क्षेत्रों में रोजगार के अवसर प्राप्त हो सकेंगे। आज के युग में अनुवाद, ब्लॉग लेखन समाचार लेखन जैसे क्षेत्र रोजगार की दृष्टि से उभरते हुए क्षेत्र हैं।			
Course Contents			
Modules: I हिंदी ब्लॉग लेखन		Duration: १० तास	

i. ब्लॉग लेखन का स्वरूप ii. ब्लॉग लेखन का महत्व iii. हिंदी ब्लॉग लेखन: विभिन्न चुनौतियाँ iv. ब्लॉग लेखन की प्रक्रिया v. ब्लॉग लेखन का व्यावहारिक प्रयोग	
Modules: II अनुवाद	Duration: १० तास
१) अनुवाद का स्वरूप, अवधारणा एवं महत्व २) अनुवाद के प्रकार ३) प्रशासनिक अनुवाद एवं साहित्यिक अनुवाद ४) अनुवाद की प्रक्रिया ५) अनुवाद का व्यावहारिक प्रयोग	
Modules: III पटकथा लेखन	Duration: १० तास
१) पटकथा: स्वरूप, अवधारणा एवं महत्व २) पटकथा की प्रक्रिया ३) फिल्म एवं धारावाहिक पटकथा ४) नाटक एवं फिल्म पटकथा साम्य एवं अंतर ५) पटकथा का व्यावहारिक प्रयोग	
Modules: IV टंकन	Duration: १० तास
I. स्वरूप, अवधारणा II. व्यावहारिक प्रयोग	
Modules: V समाचार, विज्ञापन एवं फीचर लेखन	Duration: १० तास
I. स्वरूप, अवधारणा एवं महत्व II. प्रक्रिया III. विभिन्न स्रोत IV. व्यावहारिक प्रयोग	

Course Coordinator:

Dr. Vibha Lad

An introduction to Museology and Archaeology

Name of the Course:	An introduction to Museology and Archaeology		
Duration:	30 Hours	Modules:	V
Course Objectives:			
<ol style="list-style-type: none">1. To provide the students with a basic understanding of the discipline of museology and archaeology.2. To examine museums in an interdisciplinary and introduce the students to the history, typology and functions of museums as well as basics of museum.3. To understand the basic facets of Archaeology.4. To evaluate the importance of Epigraphy and Numismatics5. To study the importance of Fort in Goan History			
Course Outcomes:			
<p>1. Knowledge of basic principles: Students will demonstrate a solid understanding of the fundamental principles, theories, and methodologies in museology and archaeology.</p> <p>2. Understanding of museum history and development: Students will have a comprehensive understanding of the historical development of museums, including key figures, movements, and institutions that have shaped the field.</p> <p>3. Ability to analyse the role of museums in society: Students will be able to critically analyse and discuss the multifaceted roles of museums in contemporary society, including education, preservation, research, community engagement, and cultural diplomacy.</p> <p>4. Practical skills in museum practice: Students will acquire practical skills relevant to museology and archaeology, such as artifact handling, cataloguing, exhibition design, and museum programming.</p> <p>5. Development of critical thinking and research skills: Students will develop critical thinking skills through the analysis and interpretation of archaeological and museological materials. They will also acquire research skills, including the evaluation of scholarly sources and the formulation of research questions.</p>			
Course Pre-requisites:			
An avid interest in heritage, museums and archives studies and a willingness to engage with and undertake the study visits to museums and archives.			
Career Prospect:			
The field offers exciting and prosperous job opportunities.			
Museology:			
Museum Director			
Curator			
Educator			
Exhibit Designer			
Archivist			

Conservation Specialist

Archaeology:

You can work as a Numismatists and Epigraphists.

Students passing out from the Institute of Archaeology are directly engaged in the Archaeological Survey of India.

You can also find jobs in the government sectors through various examinations.

You can then be employed in fields like:

- Defence services
- museums
- Ministry of Information and Broadcasting
- cultural centres
- historical division of the Ministry of External Affairs

If you have a degree in this field then you can work as,

- tourist guides
- heritage managers
- interpreters

resource persons of trip organizers

You can take up teaching jobs after obtaining your Doctoral degree.

You can also work as historians, linguists or surveyors.

Graduates have a great scope abroad as well where you can take up research work.

Course Contents

Module: I

Duration: 7 Hours

- I. Museology: Definition and scope
- a) What is Museum?
 - b) History of the museum and its types.
 - c) Functions and Importance of Museum.
 - d) What is Museology?
 - e) Key concepts in Museology.

Module: II

Duration: 7 Hours

- II. Collection management, Documentation and Exhibition
- a) Collection policies, procedures and Ethics
Storage, Handlings and Preventive Conservation.
 - b) Documentation of Museum Objects
 - c) Museum Exhibition: Techniques of Display and methodology in museum.

Module: III

Duration: 7 Hours

Aims and Methods of Archaeology

- a) Definition, aims, significance of Archaeology.
- b) Field Archaeology – methods and Exploration, Excavation and Dating Antiquities

Module: IV

Duration: 5 Hours

HPSM's Ganpat Parsekar College of Education, Harmal-Goa
Short Term Certificate Course

Epigraphy and Numismatics

a) Definition and History of Indian Epigraphy and Numismatics.

Module: V

Duration: 4 Hours

Forts – (with the special reference to Goan history)

a) Importance of forts

b) Types of forts

List of Reference Books:

1. Altekar A. S, Coinage of the Gupta Empire, Numismatic Society of India, Varanasi, 1957.
2. Gupta P L and Sarojini Kulashreshtha, Kushana Coins and History, DK Publishers, New Delhi, 1993.
3. Renfrew Colin and Bahn Paul, Archaeology: Theories, Methods and Practice, Thames and Hudson, London, 1991.
4. Sircar D C, Studies in Indian Coins, Motilal Banarasidas, Delhi, 1968.
5. Deo S B, Puratatva Vidya, Continental Prakashan, Mumbai, 2008
6. Gokhale Shobhana, Prachin Bharatiya Itihasachi Sadhane, Tilak Maharashtra Vidyapith, Pune, 2008.
7. Gokhale Shobhana, Purabhilekhavidya, Continental Prakashan, Pune, 1975.
8. Bendre V. S. Gad, Kot, Durg ani tyachi Vastu.
9. Alexander, Edward P. and Mary Alexander. Museums in motion: An Introduction to the History and Functions of Museums. London Altamira Press, 2008.
10. Bhatnagar, Anupama. Museum, Museology and New Museology. New Delhi: Sundeep Prakashan, 1999.

Course Coordinators

Mr. Gouresh Velip

Co-Coordinator

Ms. Mrunali Sawant

Ms. Zarin Khan

प्रसारमाध्यमातील लेखन तंत्र कौशल्य विकास प्रमाणपत्र अभ्यासक्रम

Name of the Course:	“प्रसारमाध्यमातील लेखन तंत्र कौशल्य विकास प्रमाणपत्र अभ्यासक्रम” (गुण-१००)		
Duration:	०६ महिने (३० तासिका)	Modules:	03
Course Objectives:			
<ol style="list-style-type: none">१. विद्यार्थ्यांमध्ये मराठी वाचन व लेखनाची आवड निर्माण करणे.२. प्रसारमाध्यमांमधील लेखन तंत्राची ओळख करून देणे.३. विद्यार्थ्यांमध्ये प्रसारमाध्यमांसाठी लेखन करताना आवश्यक कौशल्ये विकसित करणे.४. विद्यार्थ्यांना प्रसारमाध्यमांसाठी लेखन सराव उपलब्ध करून देणे.५. विद्यार्थ्यांना प्रसारमाध्यम क्षेत्रातील तज्ञांचे मार्गदर्शन देणे.			
Course Outcomes:			
<ol style="list-style-type: none">१. विद्यार्थ्यांमध्ये वाचन व लेखनाची आवड निर्माण होईल.२. विद्यार्थ्यांना मराठी भाषा कौशल्य ज्ञात होईल.३. विद्यार्थ्यांमधील लेखन कौशल्य कला विकसित होईल.४. मराठी भाषेचा व्यवहारातील वापर लक्षात आल्यास यातील रोजगाराच्या संधी कोणत्या हे विद्यार्थ्यांना समजेल.५. विद्यार्थ्यांना प्रसारमाध्यमातील लेखन तंत्राची ओळख होईल.			
Course Pre-requisites:			
<ol style="list-style-type: none">१. विद्यार्थ्यांमध्ये प्रसारमाध्यमांतील लेखन तंत्राचे कौशल्य विकसित करणे.२. प्रसारमाध्यमांसाठी कशा तऱ्हेने लेखन करावे याचे प्रात्यक्षिक करून घेणे.			

३. प्रसारमाध्यमांसाठी लेखनाच्या दृष्टीने विविध कौशल्यांचा विकास.

Career Prospects:

‘प्रसारमाध्यमातील लेखन तंत्र कौशल्य विकास प्रमाणपत्र अभ्यासक्रम’ हा प्रसारमाध्यमातील लेखन तंत्र विकसित करणारा अभ्यासक्रम आहे. प्रसारमाध्यमातील लेखन कसे केले जाते, त्याचे स्वरूप कसे असते आणि प्रत्यक्ष प्रसारमाध्यमांसाठी (वृत्तपत्र, आकाशवाणी, दूरदर्शन) लेखन कसे करावे याची ओळख विद्यार्थ्यांना होईल. प्रत्यक्ष प्रसारमाध्यमांसाठीचे लेखन तंत्र आत्मसात करता येईल. मराठी भाषेत लेखनाची आवड विकसित होईल. भविष्यात त्यांच्या या कौशल्यांचा वापर त्यांना प्रत्यक्ष अध्यापनात करून घेता येईल तसेच भविष्यात रोजगार संधी म्हणूनही प्रसारमाध्यमातील लेखन तंत्राचा विचार विद्यार्थी करू शकतील.

Course Contents

Modules: I बातमीलेखन

Duration: १० तास

- १) बातमी लेखनाचे स्वरूप
- २) वृत्तपत्रातील बातमी लेखन
- ३) आकाशवाणीवरील बातमी लेखन
- ४) दूरदर्शनवरील बातमी लेखन

Modules: II जाहिरातलेखन

Duration: १० तास

- १) जाहिरात लेखनाचे स्वरूप
- २) वृत्तपत्रातील जाहिरात लेखन
- ३) आकाशवाणीवरील जाहिरात लेखन
- ४) दूरदर्शनवरील जाहिरात लेखन

Modules: III मुलाखत लेखन	Duration: १० तास
१) मुलाखतीचे स्वरूप	
२) मुलाखत लेखनाचे तंत्र	
३) प्रत्यक्ष मुलाखत	
४) प्रत्यक्ष मुलाखत लेखन	
अंतर्गत मूल्यमापनासाठी विद्यार्थ्यांला स्वाध्याय, प्रात्यक्षिके दिले जातील.	

Course Coordinator:

Dr.. Geeta Yerlekar

Dr. Durgesh Majik

Department of Mathematics

Name of the Course:	Mathematical Typesetting using LaTeX		
Duration:	1 week (30 hours)	Modules:	03
Course Objectives:			
<ol style="list-style-type: none">1. To provide hands-on experience with the typesetting software LaTeX.2. To produce typographically sophisticated scientific documents related to Mathematics, Physics and other relevant areas.			
Course Outcomes:			
<ol style="list-style-type: none">1. Students will attain the skills necessary to type scientific documents.2. Students will understand the benefits of LaTeX over other software like MS Word.			
Course Pre-requisites: None			
Course Contents			
Module I: Basics of LaTeX		Duration: 3 hours	
<ol style="list-style-type: none">1. Introduction to LaTeX2. Obtaining and installing TeX system3. Configuring TeXstudio4. LaTeX introduction and Packages			
Module II: Mathematics using LaTeX		Duration: 15 hours	
<ol style="list-style-type: none">1. How to write Mathematical Equations2. Environments related to Mathematics3. Numbering Equations4. Tables. Matrices and other mathematical elements.			
Module III: Articles and Beamer Presentations		Duration: 12 hours	
<ol style="list-style-type: none">1. Writing articles using article class2. Inserting images in LaTeX3. Beamer presentations4. Bibliography Management			

Course Coordinators:

Mr. Suraj Parmekar

Ms. Namrata Khorje

Ms. Winita Rawool

Ornamental Fish Keeping

Name of the Course:	Ornamental Fish- Keeping		
Duration:	30 Hours	Total Modules:	06
Course Objectives:			
The course aims to –			
<ol style="list-style-type: none"> 1. Make students aware of the various ornamental fishes. 2. Recognise the plants that can be used in the aquarium. 3. Help students in designing and setting up an aquarium. 4. Guide the students in rearing/ maintaining fish in an aquarium. 5. Learn the technique of rearing fish by using various equipment. 6. Develop a scope of entrepreneurship in the student. 			
Course Outcomes:			
The students will be able			
<ol style="list-style-type: none"> 1. To know the biology of aquarium fishes, their nutritional requirement and care. 2. To gain the knowledge of requirements for setting up an aquarium. 3. To design an aquarium. 			
Course Pre-requisites:			
<ol style="list-style-type: none"> 1. To get the full benefit of this course, students need to have a basic idea about the anatomy and physiology of fish. 2. Awareness of the importance of aquarium designing, as a mode of recreation and income. 			
Career Prospects:			
<ol style="list-style-type: none"> 1. Breeding and rearing ornamental fish 2. Rearing live fish to feed 3. Propagation of Aquarium Plants 4. Design and set up aquariums for houses, offices etc 5. Self-employment opportunity. 			
Course Contents			
Modules: I		Duration: 04 Hours	
Introduction to Aquarium fish keeping and its scope:			
<ol style="list-style-type: none"> 1. Types of Aquarium 2. The potential scope of Aquarium Fish Industry 3. Exotic and Endemic species of Aquarium Fishes. 			
Modules: II		Duration: 06 Hours	
Common aquarium fishes:			
<ol style="list-style-type: none"> 1. Common characters and sexual dimorphism of Fresh water and Marine Aquarium fishes such as 2. Guppy, Molly 3. Sword tail 4. Gold fish 5. Angel fish 6. Anemone fish 			

HPSM's Ganpat Parsekar College of Education, Harmal-Goa
Short Term Certificate Course

Modules: III	Duration: 06 Hours
Fish feed: <ol style="list-style-type: none">1. Use of live fish feed organisms.2. Preparation and composition of formulated fish feeds.	
Module: IV	Duration: 02 Hours
Common Aquarium fish disease: <ol style="list-style-type: none">1. Fin rot2. Swim bladder disorders	
Module: V	Duration: 05 Hours
Common aquarium plants: <ol style="list-style-type: none">1. Introduction to aquarium plants.2. Profiles of some selected aquarium plants.3. Indigenous ornamental plants of Western Ghats.4. Management of ornamental aquatic plants.	
Module: VI	Duration: 07 Hours
Setting up of an aquarium and its maintenance: <ol style="list-style-type: none">1. Fabrication of aquarium tank.2. Equipment's used in aquarium tanks and their maintenance.	

Course Coordinator:

Ms. Karishma K. Naik



HPSM'S GANPAT PARSEKAR COLLEGE OF EDUCATION, HARMAL-GOA
SHORT TERM CERTIFICATE COURSE

BRAIN FRIENDLY LEARNING

DETAILS

- Duration: **31hrs**
- Number of Modules: **05**
- Mode: **Blended**

PRE-REQUISITES

- Basic knowledge of the process of learning.
- Knowledge of designing learning environment for effective learning

CAREER PROSPECTUS

- The course develops professional educators by using various brain friendly strategies for better learning.
- The course provides neuroscience perspective of teaching - learning process.

COURSE OBJECTIVES

To enable the student- teacher to:

1. Develop a dynamic approach to teaching that is grounded in pedagogical and neuroscience principles.
2. Adapt Brain Friendly Learning strategies to enhance students' learning.
3. Analyze the strategies for Sub-conscious learning and conscious learning.
4. Design the learning environment from a Brain Friendly Learning perspective.

COURSE OUTCOMES

On completion of this course, the student- teacher will be able to:

1. Discuss the process of learning from a neuroscience perspective.
2. Design strategies for different types of learning in terms of Brain friendly Learning.
3. Plan a lesson by using a Brain Friendly Lesson Template for various subjects.

COURSE CONTENTS

Module 1: Introduction to Brain Friendly Learning (BFL)

Module 2: Neuroscience Perspective of Learning

Module 3: Strategies for Brain Friendly Learning

Module 4: Designing Learning Environment from BFL Perspective

Module 5: Lesson Planning Using BFL Strategies

COURSE COORDINATOR

Dr. Asawari Ashtekar



HPSM'S GANPAT PARSEKAR COLLEGE OF EDUCATION, HARMAL-
GOA
SHORT TERM CERTIFICATE COURSE

BRAIN FRIENDLY LEARNING

MODULE CONTENTS

MODULE 1: INTRODUCTION TO BRAIN FRIENDLY LEARNING (BFL)

Duration: 5hrs

- a) Concept of Brain Friendly Learning (BFL)
- b) Principles of Brain Friendly Learning
- c) Basics of Brain Friendly Learning
 - i. Basic Anatomy of the Brain
 - ii. Parts of the Brain
 - iii. Characteristics of the Brain
 - iv. Functions of the Brain

MODULE 2: NEUROSCIENCE PERSPECTIVE OF LEARNING

Duration: 7hrs

- a) Meaning of Learning according to Neuroscience Perspective
- b) Cell Level Learning
- c) Part Level Learning
- d) Memory Level Learning
- e) Conscious Learning
- f) Sub-conscious Learning

MODULE 3: STRATEGIES FOR BRAIN FRIENDLY LEARNING

Duration: 8hrs

- a) Strategies For Conscious Learning
- b) Strategies For Sub-Conscious Learning
- c) Strategies For Whole Brain Activation
- d) Strategies For General Brain Boosting
- e) Strategies For Brain Warm Up

MODULE 4: DESIGNING LEARNING ENVIRONMENT FROM BFL PERSPECTIVE**Duration: 5hrs**

- a) Characteristics of Brain Friendly Learning Environment
- b) Classroom, Learning Material
- c) Types of Learning Environment from Brain Friendly Learning Perspective
- d) Explicit Learning Environment
- e) Implicit Learning Environment
- f) Role of a Teacher in Brain Friendly Learning

MODULE 5: LESSON PLANNING USING BFL STRATEGIES**Duration: 6hrs**

- a) Components of the BFL Template
- b) Steps of planning a Lesson for BFL
- c) Developing Lesson Plans for various Subjects using BFL strategies