

***SHRI SHIVCHHATRAPATI COLLEGE,
JUNNAR.***

Department of Physics

***UGC Sponsored Certificate Course in Information
Technology***

- **Certificate Program Code-** CC01
- **Name of Program:-** Certificate course in Information Technology
- **Duration:-** Six Months
- **Year of Introduction:-** From 2009-2010 to 2013-2014
- **Eligibility:-** 12th Science Pass
- **Fee :-** Rs 300 Per students
- **Intake -** 40-50 Students
- **Needs and assessments:-**
 - 1) The corporate sector and industry required professional computer experts
 - 2)The course mainly taught c programming html , etc after completing student can get job in it sector
 - 3)He can start his own business and consultancy
 - 4)He can be good teacher in school as computer experts
- **Goals and objectives :-**
 - 1) to make student aware of requirements of corporate industry and it industry
 - 2)students get a security of getting job or placement in industry

3)according to NAAC mission statement the down trodden and poor tribal students are supported by this additional academics and professional course

- **Students benefited** :- 158 students

- **Syllabus** :-

1) Basic information of MS office

- a) microsoft word
- b) microsoft excel
- c) microsoft powerpoint

2) Basic information of HTML

3) C Programming

Unit 1	Concepts of programming	06
1.1	Definition and Properties of algorithms,	
1.2	Algorithm development	
1.3	Flow charts- symbols and simple flowcharts.	
1.4	Types of programming language: Lower, middle and higher level languages	
Unit 2	C Programming	14
2.1	Structure of C program, Character set, key words, Constants and variables, Variable names, Data types and their declarations, Symbolic Constants.	

2.2	Input/output functions: scanf (), printf (), getchar (), putchar (), getch (), gets (), puts ().	
2.3	Operators and Expressions: Arithmetic Operators, Relational Operators, Logical Operators,	
2.4	Assignment Operators, Conditional Operator	
2.5	Formatted input/output	
2.6	Control statements: If, if else, while, do while for loop, nested control structures (nested if, nested loops), break, continue, switch- case statement, goto statement.	
2.7	Use of Library functions: e.g. mathematical, trigonometric, graphics.	
Unit 3	Arrays and Pointers in C	12
3.1	Arrays: 1-D, 2-D and String and examples	
3.2	Concept of Pointers	

J.T.S.S.P.MANDAL
SHRI SHIV CHHATRAPATI COLLEGE, JUNNAR
DEPARTMENT OF GEOGRAPHY
UNIVERSITY GRANT COMMISSION, NEW DELHI APPROVED
CAREER ORIENTED COURSE
Certificate Course in Geographical Information System

1. Certificate Program Code :- CC 02
2. Name of the program :- Certificate Course In Geographical Information System
3. Year of Introduction :- From 2010-11 to 2018-19
4. Duration :- 06 Months
5. Eligibility :- 12th Pass
6. Fees :- 1000/-
7. Total Number of Student :- 256
(2010-11 to 2017-18)
8. Need and Assessment of Program :-
 - This Course is design as career oriented for students of any subject/field.
 - It enhances and gives clarity in the knowledge of any subject.
 - Course Consisting total 300 Hours of training including theory and project work.
9. Goals And Objective :-
 - GIS is one of the modern techniques, it brings the excellence and quality in the higher education which is helpful for students career.
 - GIS is one of the need base programme and it is strongly felt that need based programme will be useful for students, industry and society if they are in the co-ordination with professionals or industry.
 - To improve knowledge and techniques in the subject this will cater to needs implement such course in college for students.

J.T.S.S.P.Mandal
 Shri Shiv Chhatrapati College, Junnar
 Department of Geography
 Career Oriented Course
SYLLABUS OF GIS CERTIFICATE COURSE

Sr.No.	Topics
1.0	Introduction to GIS
1.1	Definitions of GIS
1.2	History of GIS
1.3	Elements of GIS
1.4	Data Models
1.5	Data Structures
1.6	Spatial Analysis
2.0	Hardware and Software Requirement for GIS
2.1	Introduction
2.2	Components of Computer
2.3	Storage Devices
2.4	Design Philosophy of GIS
2.4	System Design
3.0	Data Structures and Format/Spatial Data Models
3.1	Introduction
3.2	Spatial Information
3.3	Layers and Coverage
3.4	Data Model
3.5	Conceptual Models of Spatial Information
3.6	Spatial Data Models for GIS: Representation in Computer
3.6	The Choice between Raster and Vector
4.0	Concept of Non-Spatial Information
4.1	Non-Spatial Information and Concept Database
4.2	Database Management Systems
4.3	Hierarchical Data Base Structure
4.4	Network Structure
4.5	The Relational Model
4.6	Object Oriented Database
4.7	Consideration in Adopting A Data Base Approach
5.0	Digitizing, Editing and Structuring of Map Data
5.1	Introduction
5.2	Entering the Spatial Data
5.3	Editing: Error Detection & Correction
5.4	Topology Creation – Structuring Map Data
6.0	Data Quality and Errors

6.1	Introduction
6.2	Nature of Geographic Data
6.3	Map Accuracy
6.4	Sources of Errors in GIS Data Base
6.5	Data Quality Parameters
6.6	Handling Errors in GIS
7.0	Coordinate system, Datum & Map Projections
7.1	Introduction
7.2	Basic Assumptions
7.3	Spherical Co-ordinate System
7.4	Classification of Map Projections
7.4	Properties of Map Projections
7.5	Projection Types
8.0	Spatial Data Analysis
8.1	Introduction
8.2	Significance of Spatial Analysis
8.3	Using GIS for Spatial Analysis
8.4	Various Spatial Analysis
9.0	Spatial data analysis : Vector Data
9.1	Various Types of Spatial Analysis
9.2	Basic of Vector Overlays
9.3	Logical Operators
9.4	Conditional Operators
9.5	Vector Topological Overlays
9.6	Other Spatial Operation in GIS
9.7	Buffer Analysis
10.0	Spatial data analysis : Raster Based
10.1	Introduction
10.2	Grid Operations Used in Map Algebra
11.0	Network Analysis in GIS
11.1	Introduction
11.2	What is Network
11.3	What is Network Analysis
12.0	GIS Technology trends
12.1	Introduction
12.2	Internet GIS or Web GIS
12.3	GIS Customization
12.4	Object – Oriented GIS in Practice

Details of Practical Exercises

Sr.No.	Topics
1.0	Familiarization with Software (Global Mapper)
1.1	Introduction
1.2	Starting of Global Mapper
1.3	Interface
1.4	Global Mapper Basics
1.5	Data Structure
1.6	Challenges
2.0	Geo-referencing and Projection
2.1	Introduction
2.2	Map Projection Selection
2.3	Challenges
3.0	Spatial Data Entry, Editing, Topology Creation and Linking Spatial Non-
3.1	Spatial Data Entry
3.2	Introduction
3.3	Edit Feature
3.4	Challenges
4.0	Geographic Phenomena and Computer Representations
4.1	Introduction
4.2	Different Geographic Phenomena
4.3	Computer Reorientation of Phenomena
4.4	Challenges
5.0	Spatial and Non-Spatial Queries
5.1	Introduction
5.2	Operations
5.3	Theory – Spatial Selection Queries
5.4	Step By Step Exercise
5.5	Challenges
6.0	Spatial Analysis of Vector Data
6.1	Introduction
6.2	Spatial & Attribute Querying
6.3	Overlay Analysis
6.4	Proximity Analysis
6.5	Attribute Management
6.6	Export Data
6.7	Challenges
7.0	Spatial Analysis of Raster Data
7.1	Raster Analysis

7.2	Map Algebra/Raster Calculation
7.3	Reclassification Operation
7.4	Distance Functions
7.5	Pixel Transparency
7.6	Challenges
8.0	Network Analysis
8.1	Introduction
8.2	Step By Step Exercise
8.3	Challenges

जुन्नर तालुका शिवनेर शिक्षण प्रसारक मंडळाचे,

श्री शिव छत्रपती महाविद्यालय

(कला - वाणिज्य - विज्ञान)

बोडकेनगर, जुन्नर - ४१०५०२, जि. पुणे



● उद्घाटन समारंभ ●

शनिवार दि. ४ सप्टेंबर २०१० रोजी सकाळी ११.०० वाजता

१. I. S. भौगोलिक माहिती प्रणाली सर्टिफिकेट कोर्स

व

एन.एस.एस. विभाग वर्ष २०१०-११

● प्रमुख पाहुणे ●

मा. डॉ. डब्ल्यु. एन. गाडे

संचालक, बी.सी.यु.डी.पुणे विद्यापीठ, पुणे.

● अध्यक्ष ●

मा. डॉ. बी. सी. वैद्य

भूगोल विभाग प्रमुख, पुणे विद्यापीठ, पुणे

● विशेष उपस्थिती ●

प्रा. किशोर शिंदे

प्रा. करंजखेले एकनाथ

प्रा. संतोष भैलुमे

प्रा. लबडे हर्षवर्धन

जिओ इन्फोमेटिक्स विषय तज्ञ

● प्रमुख उपस्थिती ●

मा. अॅड. संजय शि. काळे अध्यक्ष

मा. निवृत्तीशेठ मु. काळे खजिनदार

मा. अनिल मो. जोगळेकर उपाध्यक्ष

मा. अशोक शं. काळे पालक प्रतिनिधी

मा. अॅड. अविनाश वि. थोरवे सचिव

मा. सौ. कांताबाई बा. मस्करे विश्वस्त

मा. सुभाष शं. कवडे सहसचिव

मा. दत्तात्रय सु. थोरात विश्वस्त

विश्वस्त मंडळ, जु. ता. शि. शि. प्र. मंडळ, जुन्नर

● आपले स्नेहांकित ●

प्रा. डॉ. वाघमारे एम.बी.

प्रा. डॉ. जगदाळे यु.जी.

प्रा. पवार बी.बी.

डॉ. पुराणे के.डी.

N.S.S. विभाग प्रमुख

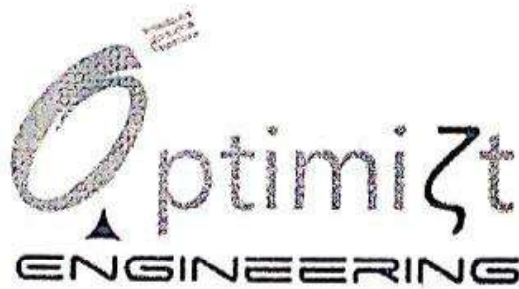
समन्वय (G.I.S.)

उपप्राचार्य

प्राचार्य

MEMORANDUM OF UNDERSTANDING

Between



Training and Consulting Services:
Geographical Information System (GIS)

To

Shri Shiv Chhatrapati College
Junnar



Sri Shiv Chhatrapati College

Arts, Commerce & Science

Bodkenagar, Junnar, Dist. Pune-410502

NAAC RE-ACCREDITED "A"

UGC Sponserd



Certificate of Merit

This is to Certify that Mr/Ms

Satish Walunj.

has successfully completed training on

Certified course in GIS

the duration of 60 days from

to

and has secured A Grade.

We wish him/her all the best for his

Mr. Harshwarshan A. Labade
Optimiza Tech. Head - GIS

Prof. Ullamrao G. Jagadale
Course Co-Ordinator

Dr. Kantilal D. Purane
Principal

Adu. Sanyasi S. Kale
Chairperson

OPTIMIZI TECHNOLOGIES :- 657, 3rd Floor, Gunjal Complex, Beside PMT Depot Deccan JM Road

Student Code:0001

J.T.S.S.P.Mandal

Shri Shiv Chhatrapati College, Junnar.

DEPARTMENT OF COMMERCE AND RESEARCH CENTRE

University Grants Commission, New Delhi Approved

CAREER ORIENTED COURSE

CERTIFICATE COURSE IN COMPUTERISED FINANCIAL ACCOUNTING

1. **Certificate Program Code** – CC – 03
2. **Name of Program** – Certificate Course in COMPUTERISED FINANCIAL ACCOUNTING
3. **Year of Introduction** – from 2013 - 2014 to 2017 - 2018
4. **Duration** – Six Month.
5. **Eligibility**- Students should complete their 10+2 or its equivalent exam
6. **Fees** – Rs. 300 per student
7. **Intake** – 30 – 40 students
8. **Need and Justification of the Course:** With the fast-changing business scenario, experts in Taxation, Excise, VAT and Service Tax are in high demand. The Computerised Accounting course empowers students to increase their employment opportunities. The Course uses a feature-based approach to introduce students to Accounting on Computers. Some topics covered in this module include setting up computerized accounting system, computerized journals and ledgers, income statements and balance sheet, billing, taxation, as well as customer accounts.

Goals and Objectives-

This course is designed to prepare account professionals with specialized skills, knowledge and attitude to worked in finance and accounting field.

1. To get employment in various business organizations.
2. To describe the basic concepts of accounting about revenue, expense, assets, liability and equity.
3. To Understand accounting equations and rules of debit & credit.
4. To Enlist and describe the charts of accounts.
5. To Classify vouchers.
6. To Acquire competency to enter accounting transactions in the accounting software and have the capability of generating different accounting reports/documents.
7. To describe to prepare Profit and Loss Accounts, Balance Sheets, and Cash Flow Statements etc.
8. Enter all the business transactions in computerized accounting system efficiently.

Syllabus

UNIT - I

- What is Book Keeping?
- What is an Account?
- What is Double –Entry System of Book Keeping?
- Explain the term transaction
- What is journal entry?
- What is Contra Entry?
- What is Journal Voucher?
- Explain the word Liability
- Explain the word assets
- Books of Accounts
- Definition of Indirect Exp / Indirect Income
- Definition of Direct Exp / Direct Income What is debit?
- What is credit?
- Difference between Journal voucher / Journal entry

UNIT - II

- Golden rules of Accounting

UNIT - III

- Accounting Software
- Why use Tally to maintain Account
- Advantage over manual Accounting

UNIT - IV

- Creation of Company / Accounts only? Accounts with Inventory
- Alt the company
- Creation of password / security
- Opening the company making it active
- Creating ledger, A/c.
- Altering individual ledger, a/c
- Viewing / Altering multiple ledger on screen
- Inventory creation / Altering stock group /stock items

UNIT - V

- Entering Voucher
- Payment voucher / Receipt Voucher / Contra voucher / Journal voucher
- Purchase voucher / Sales voucher / Purchase return / Sales Return
- Purchase Order / Sales order / Rejection out voucher / Delivery Challans /Rejection In voucher

UNIT - VI

- Easy Access to the various Books of Account
- Cash Book / Bank Book / Purchase Book / sales Book
- Journal voucher book / Debit Note book / Credit Note Book
- Day Book / Ledger Book

UNIT - VII

- Automatic Creation of Financial Accounting Statement
- Trial Balance
- Trading A/c
- Profit & Loss A/c
- Balance Sheet
- Stock Summary
- Ratio Analysis

UNIT - VIII

- Printing various Book of Account
- Printing all Financial Statement



(पी.टी.आर. नं. एफ्-४३९ (पुणे)(१९७०)) जुन्नर तालुका शिवनेर शिक्षण प्रसारक मंडळाचे आय. नं. पी.यु./पी.एन./ए.एस.सी./०२६ (१९७०)

श्री शिव छत्रपती महाविद्यालय, जुन्नर (जि. पुणे.)

कला - वाणिज्य - विज्ञान

बोडकेनगर, जुन्नर (पुणे) ४१०५०२

'नॅक'- पुनःमूल्यांकित - "अ"

डॉ. के. डी. पुराणे
(एम्.ए.एल.एल.बी., एम्. फिल. पीएच्. डी.)
प्राचार्य

दूरध्वनी : कार्यालय: ०२१३२ २२२०९४, २२३६८९, फॅक्स : ०२१३२- २२३६८९, २२२१५०

प्राचार्य (ऑ) : २२२१५०, ९८६०९८४३२२, ८२७५२०९४९६

e-mail : sscj@yahoo.co.in

Web Site: sscolltgejunnar.com

जावक क्र. एस्.एस्.सी.सी.जे./१५३/५/२०/२-२०/३

दिनांक २३/२/२०१३

प्रति,
प्रा.डॉ.उजागरे डी.व्ही.
एस.एस.सी.कॉलेज, जुन्नर

विषय :- "U.G.C Career Oriented Course Under XIth Plan"

Name of the Course :- Computer Financial A/c

उपरोक्त विषयाच्या अनुषंगाने, आपणाकडे सोपविण्यात आलेल्या Career Oriented Course संदर्भांनुसार यु.जी.सी.Guideline विचारात घेऊन
१) वर्षनिहाय खर्चाचा आराखडा (Budget)

२) अभ्यासक्रम (Syllabus)

कार्यालयात श्री.कुटे.पी.टी. यांचेकडे दि.२८/०२/२०१३ पर्यंत जमा करण्यात यावा.

कळावे,

सोबत :- १) यु.जी.सी.मान्यता प्रत

२) यु.जी.सी.गाईडलाईन


प्राचार्य
श्री शिवछत्रपती महाविद्यालय
जुन्नर (पुणे)

589/11-12
Date-9-1-2012



UNIVERSITY GRANTS COMMISSION
35-FEROZSHAH ROAD
NEW DELHI-110 001

F. No. 4- 183/2011(COC)

December, 2011

The Under Secretary (FD-III)
University Grants Commission
New Delhi-110002

E-3 JAN 2012

Sub: - Release of Grant-in-aid to Shri Shiv Chhatrapati College, Junnar, Dist. Pune, Maharashtra-410502 under the UGC scheme of Career Oriented Courses-reg.

Sir,

With reference to the proposal submitted by Shri Shiv Chhatrapati College, Junnar, Dist. Pune, Maharashtra-410502 under the UGC scheme of Career Oriented Courses, I am directed to convey the approval of the University Grants Commission for starting the following Career Oriented Courses in the above mentioned College from the academic year 2011-12.

Courses Approved	Seed Money approved (Rs. in lakh)	Grant released (90%)
<u>Arts/Social Science</u>		
1.Travel and Tourism	Rs. 7.00	Rs. 6,30,000/-
<u>Commerce</u>		
1.Computer Financial Accounting	Rs. 7.00	Rs. 6,30,000/-
<u>Science</u>		
1. Environment Protection	Rs. 10.00	Rs. 9,00,000/-
Total	Rs. 24.00	Rs. 21,60,000/-

श्री शिव चहात्रपती
9/1

J.T.S.S.P.Mandal

Shri Shiv Chhatrapati College Junnar

Department of Commerce and Research Centre,

Certificate

University Grants Commission, New Delhi Approved
Certificate Course in Computerised Financial Accounting

This is to certify that

Kalekar Sruja Dilip

of T.Y. B. Com Class has satisfactorily completed the
Certificate Course in Computerised Financial Accounting in the
Academic Year 2013- 2014

His / Her active participation during the course has been deeply
appreciated.

Date: 12/09/2015.


Dr. D. V. Ujagare

Co - ordinator


Dr. V. S. Joshi

Head of Department


Dr. Bhaskar Shelke

Offg. Principal

J.T.S.S.P.MANDAL
SHRI SHIV CHHATRAPATI COLLEGE, JUNNAR
DEPARTMENT OF HISTORY
U.G.C. SPONCERED

Certificate Course in Travel & Tourism

- | | |
|--|--|
| 1. Certificate Program code | :- CC4 |
| 2. Name of the Program | :- Certificate Course in
Travel & Tourism |
| 3. Year of Introduction | :- From 2012-13 to 2017-18 |
| 4. Duration | :- 1 Year |
| 5. Eligibility | :- 12 th Pass |
| 6. Fees | :- 325/- |
| 7. Total Number of Student
(2012-13 to 2017-18) | :- 230 |



Syllabus-

Theory- 60 marks.

- Unit 1. Introduction of Tourism
 - a) Definitions
 - b) Types
 - c) Nature and scope
- Unit 2. Development of Tourism
 - a) Development
 - b) Purpose
 - c) Significance
 - d) Importance
- Unit 3. Transport & Accommodation
 - a) Principles modes
 - b) Role of Transport
 - c) Accommodation-a core Industry
- Unit 4. Tourism : Cultural Heritage of India
 - a) Natural Sites
 - b) Handicraft
 - c) Fairs and Festivals
 - d) Museums
 - e) Folk art
- Unit 5. Tourist Destinations in Maharashtra
 - a) Caves- Ajanta, Ellora, Carle-Bhaje, Elephanta
 - b) Temples- Trimbakeshwar, Amarnath, Aundha Nagnath, Markandeya
 - c) Forts- Raigad, Panhala, Devagiri, Janjira, Naldurg

Practical- 40 marks.

(Photography, site & Museum visit Report)& Viva-voce





Junnar Taluka Shivner Shikshan Prasarak Mandal

U.G.C. SPONSORED



ज्ञान-विज्ञान विमुक्तये

Travel & Tourism Course
Organized by
Shri Shiv Chhatrapati College,
Bodkenagar, Junnar
Dist. Pune

Certificate

This is to certify that

Mr./ Miss...Doke...Amit.....Chandrakant.....

.....is

successfully completed Travel & Tourism Certificate

/ Diploma / Advance Course

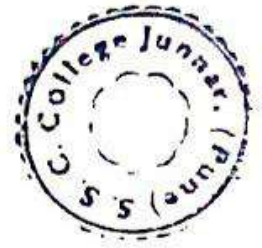
in the academic Year2017-18.....

[Signature]
Co-Ordinator

[Signature]
Vice-Principal

[Signature]
Principal





MEMORANDUM OF UNDERSTANDING

FOR

CERTIFICATE COURSE IN TOURISM

Memorandum of Understanding between

**SHRI SHIV CHHATRAPATI COLLEGE,
BODAKENAGAR, JUNNAR**

and

**Chandika Yatra Company
1409 Kasba Peth, Pune.**

UGC Sponsored Certificate Course in Environmental Protection

1. **Certificate program code** – CC – 5
2. **Name of program** – Certificate Course in Environmental Protection
3. **Year of Introduction** – From 2013 – 2014 to 2017 – 2018
4. **Duration** – One academic year
5. **Eligibility** – 12th Science pass
6. **Fees** – Rs. 500 per student
7. **Intake** – 30 – 40 students
8. **Goals and Objectives** –
 - a) The course contents are framed for knowing the importance of Environment, conservation, importance of biodiversity etc.
 - b) This course also aims to understand the students about fragile ecosystems of Western Ghats.
 - c) To make the students aware regarding the environmental issues, causative factors etc.
9. **Need and Assessment** –
 - a) Junnar Tehsil is in Dist. Pune. Pune and adjoining areas are having a huge industrial zone.
 - b) The trained students will get job opportunities in the companies for environmental safety.
 - c) The hands-on-training is also useful for the students to get employment opportunity in pharmaceutical industries.
 - d) This also helps in educating the youth for the conservation of the environment and biodiversity of Western Ghats.
10. **Students benefited** – 206 students
11. **Syllabus copy** –

Theory

Unit -I	Introduction to Environment and Ecosystem	15 L
1.1	The multidisciplinary nature of environmental studies – Definition, scope and importance need for public awareness.	
1.2	Our environment -Atmosphere, Hydrosphere, Lithosphere, Scope of Ecology.	
1.3	Concept of an Ecosystem – Structure and function of ecosystem, Producer, Consumers and Decomposers.	
1.4	Energy Flow in the Ecosystem – Ecological Succession.	
1.5	Food chain, Food Webs and Ecological Pyramids – Introduction, Types, Characteristics Features.	
1.6	Structure and Function of – A) Forest Ecosystem B) Grassland Ecosystem C) Desert Ecosystem D) Aquatic Ecosystem (Ponds, Streams ,Lakes, Rivers , oceans , Estuaries)	
Unit -II	Biodiversity	20 L
2.1	Introduction to Biodiversity – Definition, Genetics, Species and Ecosystem Diversity.	

2.2	Biogeographically Classification of India – Biodiversity at Local Global and National Levels.	
2.3	Value of Biodiversity – Consumptive use, Productive use, Social, ethical and Aesthetic values .	
2.4	Conservation of Biodiversity.	
2.5	Molecular Methods of Characterisation of Biodiversity – Introduction to Biodiversity Database, Global biodiversity information system.	
2.6	Indian Forest and Vegetation type and diversity of flora and fauna.	
2.7	Endangered and Endemic Species, Threatened species, Categories of IUCN, threatened species of plants and animals in India, Red Data books.	
2.8	India as a Mega- Diversity Nation, Hot spots of biodiversity – Threats to Biodiversity, Habitat Loss, Poaching of wildlife, Man wildlife conflicts.	
2.9	Biodiversity Conservation – In-situ and Ex- situ conservation of biodiversity. Biodiversity (Protection) Act -2002, Wildlife (Protection) Act 1972 of India. Conservation of Tiger Reserves, National Park and Sanctuaries.	
2.10	Natural Resources – Types – Forests types ,Uses, deforestation ,Natural resources and their conservation ,Problems with exploitation of resources , equitable use of resources for sustainable lifestyles.	
2.11	Introduction to Taxonomy – Taxonomic Principles, Procedure of Classification, Linear classification of animals up to the generic groups.	
2.12	Biological Relationship – Neutralism, Symbiosis, Commensalism, Mutualism, Parasitism, Predatism, Competition – intra specific and inter specific.	
Unit -III	Environmental Biotechnology	15 L
3.1	Introduction to environmental biotechnology, engineered system for air pollution control , control devices for particular contaminants – gravitational settling chamber , cyclones ,wet collectros, electrostatics precipitators etc.	
3.2	Bioremediation – Waste water treatment, conventional waste water treatment procedures (STP and ETP), biological treatment system (Aerobic and Anaerobic), Biomethanation process.	
3.3	Solid waste management – Sources and classification, Majors types of solid waste treatment processes, land filling, sanitary land filling, hazards of land filling .	
3.4	Composting (aerobic and anaerobic) Vermicomposting and incineration as a methods of solid waste disposal.	
3.5	Energy of biomass, bacterial biofertilizers.	
Unit -IV	Environmental Chemistry, Ecotoxicology and Environmental Techniques	15 L
4.1	Definition Concept and Scope of environmental chemistry, Chemical composition of air, sources and effects of air pollutants on living and non –living things.	
4.2	Chemistry of water – Physical properties of water, water and water quality parameters, Effects of water pollution.	
4.3	Chemistry of soil - Formation ,Constituents and properties of soils , types of soil, chemical factors affecting the soil quality .	

4.4	pesticides – fertilizers effect of modern agro- technology on quality of soil, sampling of air and water pollutants.	
4.5	Absorption and distribution of toxicants in animal body, Bio-magnification, Bio-accumulation.	
4.6	UV and Visible spectroscopy, Flame Photometry.	
4.7	TLC, Paper, column, Ion exchange Chromatography.	
4.8	Theory and application of Polyacrylamide and Agarose gel electrophoresis.	
4.9	Types of centrifuge – Simple, Micro-centrifuge, High speed and Ultracentrifuge, Application (isolation of cell components).	

Practicals

Sr. No.	Practicals
1.	To study general laboratory practices.
2.	To study different instruments used in environmental microbiology.
3.	To study pH of given water and soil sample.
4.	To estimate total hardness of given water sample.
5.	To study planktons from given water sample.
6.	To estimate sulphate content from given water sample.
7.	To estimate phosphate content from given water sample.
8.	To estimate chlorides from given water sample.
9.	To estimate dissolved oxygen from given water sample.
10.	Analysis of metals from water.
11.	Colorimetric estimation of nucleic acid (DNA and RNA).
12.	To study preparation of nutrient media.
13.	To isolate micro-organisms from air and water samples.
14.	To perform simple, negative and Gram's staining of bacteria.
15.	To estimate carbohydrate content from given sample.
16.	To estimate protein content from given sample.
17.	To estimate starch content from given sample.
18.	To estimate free amino acids content from given sample.
19.	To carry out bioremediation of metals by using biomaterial.
20.	Field visit to forest/aquatic ecosystem / ETP / STP.



SHRI SHIV CHHATRAPATI COLLEGE, JUNNAR

Junnar Taluka Shivner Shikshan Prasarak Mandal's
Arts, Commerce and Science
Bodkenagar, Junnar, Dist. Pune - 410 502

NAAC Accredited - 'A' Grade
U.G.C. New Delhi Sponsored & University of Pune Approved



Certificate Course In Environmental Protection



Certificate



We, The President, The Principal, The Members of the Advisory Council and The Co-ordinator of the U.G.C. sponsored certificate course In Environmental Protection certify that,
Mr. / Mrs. of Junnar Taluka Shivner Shikshan Prasarak Mandal's Shri Shiv Chhatrapati College, Junnar (Affiliated to University of Pune) has been examined and awarded certificate in Environmental Protection Course in the academic year He / She passed with grade.



Dr. P. C. Mane
ASST. COURSE CO - ORDINATOR

Dr. R. D. Chaudhari
COURSE CO - ORDINATOR

Dr. B. T. Shelke
OFFG. PRINCIPAL

Adv. Sanjay Kale
PRESIDENT

J. T. S. S. P. M., Junnar, Pune

J.T.S.S.P. Mandal
Shri Shiv Chhatrapati College, Junnar
Sponsored by U.G.C New Delhi

Human Rights Education
(Under the Dept. of Political Science)
Human Rights foundation course

1. Certificate Program Code: CC- 6

2. Name of Program: Human Rights foundation course

3. Year of Introduction: 2013-14 to 2017-18

4. Duration: Three Months

5. Eligibility: A) Appearing first Year (Arts, Commerce and Science, LLB)

6. Fees : Admission Fees 300/-

7. Intake : 40

8. Need & Assessment of the course: This course will help to broaden the concept of Human Rights Education and also to inculcate the concept of equality. This course empowers students to increase their employment opportunities. The course is useful for the volunteers of NGO to increase their formal knowledge regarding human Rights. The course is useful for the various streams like law, Social Science, M.S.W, MBA and Journalists working for various newspapers.

9. Goals and Objectives: the Course will aim at making the Learners acquire conceptual clarity and develop respect for human Rights, norms and values and make the learners sensitive to the weaker and the vulnerable sections of society. A full understanding of international and national standards and mechanism for realization and enforcement of enforcement of rights will be promoted. It will include awareness of civil society, Organization, right for movement and promoting human rights. The P.G. Diploma Course shall be made to encourage and promote awareness of human rights among professional groups in disciplines such as medical, law engineering, management and basic sciences.

Foundation Course

Syllabus 2013-2017

Subject:-1. Basic Concept of the Human Right

Chapter 1. What is Human Rights

- 1) What is Human Right
- 2) Meaning of Human Right
- 3) Nature and Scope of Human Right
- 4) Distribution of Human Right

Chapter 2. Effect of Human Rights Violation

- 1) Traveler of Human Right
- 2) Traveler of Duty
- 3) Source of Human Right

Chapter 3. Limitation of Human Right

- 1) Is Human Right Final Right?
- 2) When does Limitation Come on Human Right?
- 3) Equality and Human Right

Chapter 4. Development of Human Right

- 1) Meaning of Development
- 2) Development through Good Governance
- 3) Role of Urban Society

Subject 2:- Mechanism for the Implementation of Human Rights

Chapter 1. Human Rights Protection Act

- 1) Starting of National Mechanism
- 2) Important Factor in Human Right Protection Act
- 3) National Human Right Commission
- 4) State Human Right Commission

Chapter 2. Indian Human Rights Controlling System Part 1.

- 1) National Commission for Women
- 2) Maharashtra State Commission for Women
- 3) Other efforts
- 4) National Commission for SC/ST

Chapter 3. Indian Human Rights Controlling System Part 2

- 1) National Minority Commission
- 2) National Commission for Handicraft
- 3) National Child Right Protection

Chapter 4 Remedy for the implementation of Human Rights

- 1) Civil Remedy
- 2) Constitutional Remedy
- 3) Criminal Remedy
- 4) Statutory Remedy
- 5) Other Remedy

J.T.S.S.P. Mandal
Shri Shiv Chhatrapati College, Junnar
Sponsored by U.G.C New Delhi

Human Rights Education
Under the Dept. of Political Science
P.G. Diploma in Human Rights

1. Certificate Program Code: PG-D1

2. Name of Program: P.G. Diploma in Human Rights

3. Year of Introduction: 2012-13 to 2015-16

4. Duration: 9th Months

5. Eligibility:

- A) Appearing last Year (Arts, Commerce and Science)
- B) Appearing last Year (M.A, M.Com, and M.Sc.)
- C) Post Graduation (M.A, M.Com, M. Sc and LLB)
- D) Open to Advocates, Political Elites, Civil Servants, Servants of Police Department)

6. Fees :

Admission Fees 1000/-
Exam Fees 200/-
Total: 1200/-

7. Intake : 40

8. Need & Assessment of the course: This course will help to broaden the concept of Human Rights Education and also to inculcate the concept of equality. This course empowers students to increase their employment opportunities. The course is useful for the volunteers of NGO to

increase their formal knowledge regarding human Rights. The course is useful for the various streams like law, Social Science, M.S.W, MBA and Journalists working for various newspapers.

9. Goals and Objectives: the P.G Diploma Course will aim at making the Learners acquire conceptual clarity and develop respect for human Rights, norms and values and make the learners sensitive to the weaker and the vulnerable sections of society. A full understanding of international and national standards and mechanism for realization and enforcement of enforcement of rights will be promoted. It will include awareness of civil society, Organization, right for movement and promoting human rights. The P.G. Diploma Course shall be made to encourage and promote awareness of human rights among professional groups in disciplines such as medical, law engineering, management and basic sciences.

Establishment 1970

NAAC Accredited - "A"

Junnar Taluka Shivner Shikshan Prasarak Mandal

SHRI SHIV CHHATRAPATI COLLEGE

Bodkenagar, Junnar Dist. Pune.



Everyone
right



*All Human Beings are Born free and Equal in Dignity and Rights.
They are endowed with reason and conscience
and should act towards one another in a spirit of Brotherhood.*



(Sponsored by U.G.C. New Dhili)

Human Rights Education

(Under the Dept. of Political Science)

P. G. DIPLOMA COURSE PROSPECTUS



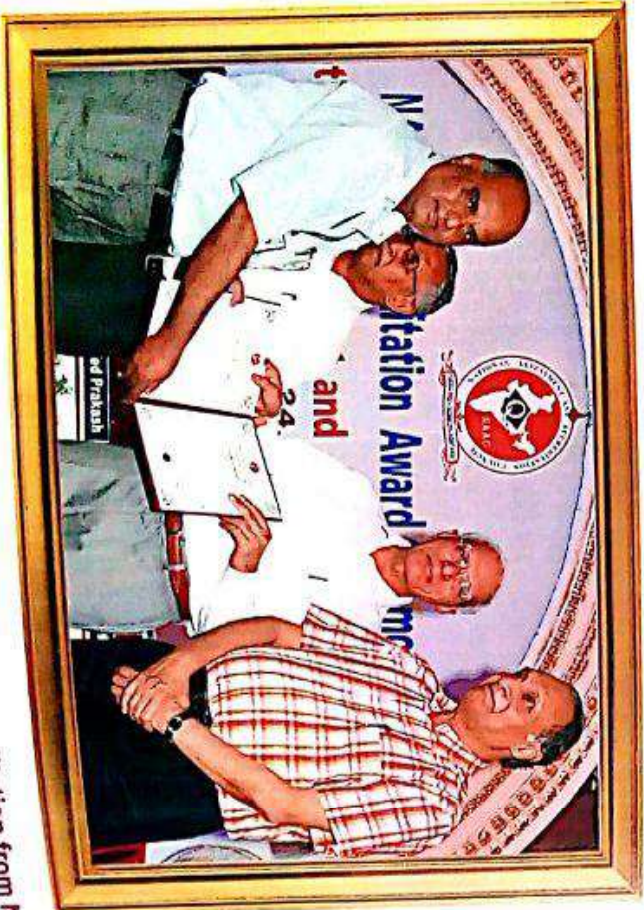


Junnar Taluka Shivner Shikshan Prasarak Mandal's

-: Trustee Board :-

- | | |
|--|--------------------------------|
| 1) Hon. Adv. Sanjay Shivajirao Kale | President |
| 2) Hon. Shri Nivrutisheth Murlidhar Kale | Vice-President |
| 3) Hon. Shri Dattatraya Sudam Thorat | Secretary |
| 4) Hon. Shri Subhash Shankarrao Kawade | Joint Secretary |
| 5) Hon. Sou. Kanta Balaso Maskare | Treasurer |
| 6) Hon. Shri. Ashok Shankarrao Kale | Guardian Representative |
| 7) Hon. Shri. Anil Moreswar Jogalekar | Member |
| 8) Hon. Adv. Avinash Yithalrao Thorave | Member |
| 9) Hon. Shri. Dr. Kantilal Dattatraya Purane | Principal |

Certificate of Accreditation



Principal Dr. K. D. Purane Receiving the Certificate of Accreditation from NAAC.



Junnar Taluka Shivner Shikshan Prasarak Mandal

President :



Hon. Adv. Sanjay Shivajirao Kale

Human Constitution has provided certain rights to the citizens. It is mandatory to have the knowledge of our rights. Any level of social development will not lead to human happiness unless it values human life. Therefore, we have introduced HRE in our college. The students should avail this opportunity and realize its importance for their better future.

Secretary :



Hon. Shri Dattatraya Sudam Thorat

HRE is very important in today's fast progressing world where nations are competing with each other. Simultaneously, it is necessary to know the human rights. Every individual of the society or nation should be aware of these rights. So I feel that all the students must take interest in learning rights which will endear our their career.

Principal :



Hon. Dr. K. D. Purane

HRE is acquiring importance in the changing, national global scenario in the wake of globalization. It is opening of new possibilities for realization of creative human potential. The society should have enough democratic potential where the youth, would play a positive role in facing the new challenges. This is possible only when the young people in all walks of life are sensitized and humanized. They have to find solutions for the problems and should not become a source of problems. HRE can create the necessary moral, intellectual and democratic resources for this purpose.



Junior Taluka Shivner Shikshan Prasarak Mandal
SHRI SHIV CHHATRAPATI COLLEGE
 Bodkewar, Junnar Dist. Pune.
Shri Shiv Chhatrapati College



Vice Principal :



Hon. Dr. Laxman D. Doore

Chairman's Representative :



Hon. Dr. V. B. Kulkarni

Co-ordinator :



Prof. Abhijit S. Patil

The concept of Human Rights is in force in our college from 2011. In the present session it is compulsory for all of us to know our rights. In 1955 U.G.C has come forward and taken the task of implementing this education in the universities. Our institution has also taken the responsibility of this thing and the most important issue and started a P.G. Diploma Course of Human Rights and also assures of giving proper guidance.

Human being is both a subject and an object of development and every one has an obligation in the promotion and enforcement of the rights. I am sure learning of Human Rights will help in balanced human development.

Rights are not only standards but also claims of the citizens on the allocation of resources of the society. The Post-Graduate diploma course can be offered to the members of all the target groups. This course can be offered to judges, lawyers, civil servants, political elites, teaching community and also students of all faculties. I believe P.G. Diploma in human rights will enlighten and enhance thoughts of human rights.

Advisory Board

- Prof. Dr. J. B. Murtadak
- Prof. Dr. R. S. Kasar
- Prof. Dr. J. R. Mulla
- Prof. Dr. D. V. Ujagare
- Prof. C. R. Mandlik



Junior Taluka Shivner Shikshan Prasarak Mandal
SHRI SHIV CHHATRAPATI COLLEGE
 Bodkewar, Junnar Dist. Pune.
Shri Shiv Chhatrapati College



College Information

The college was founded in 1970 under the intellectual and academic leadership of Late Shivvirao alias Dadababoo Mahadewrao Kale, former M.L.A., Junner and the famous economist Hon. Shri Govardhanadas Parikh, the then Rector, Bombay University. The first chairman, eminent Royist G. D. Parikh Dreamt of bringing knowledge from Pune and Mumbai to a remote place such as Junnar to uplift the masses in 1970. A peasant's son, a tribal's progeny from this area had no chance of higher education, despite his being a treasure of "brain". The empowerment of this part of pune district through this college was the mission. The college was to play the role of a community center. The establishment, maintenance and prosperity of the college was possible only because Late. Hon. Shri Ganpatrao Bode Donated 10 acres of land to the institution.

Human Rights Course Information

The P.G Diploma Course will aim at making the learners acquire conceptual clarity and develop respect for Human Rights, norms and values, and make the learners sensitive to the weaker and the vulnerable sections of society. A full understanding of international and national standards and mechanism for realization and enforcement of rights will be promoted. It will include awareness of civil society, Organizations, rights for movement and promoting human rights. The P.G Diploma Course shall be made to encourage and promote awareness of human rights among professional groups in disciplines such as medical, law, engineering, management and basic sciences. The duration of the P.G. Diploma Course is of four credits may be spread over not less than 9 months. For this purpose the UGC curriculum on Human Rights and Duties may be used as a model. This course can be offered to judges, lawyers, civil servants, political elites, teaching community and also the students.

About the Course

This course will help to broaden the concept of Human Rights Education and also to inculcate the concept of equality.

Use of the course:-

- 1) The course is useful for the volunteers of NGO to increase their formal knowledge regarding Human Rights.
- 2) The course is useful for the students of various streams like Law, Social science, MSW, B. Ed & MBA.
- 3) Maharashtra State Human Rights commission, Mumbai proposed to have 'Human Rights Education' Compulsory at all Levels of Education
 (Let. Ref.No. SHRC/MF/10/2010, Date -28/10/1010)

With reference to this letter Government of Maharashtra also accepted the proposal of Human Rights Education in Higher Education
 (Letter No. Collection 2010/388/105 Special-3, Higher Technical Education Department, Ministry Mumbai, Date 16 Nov, 2010)

- 4) The course is very useful for the journalists working for various news papers and also to the students of Journalism.



Junnar Taluka Shivner Shikshan Prasarak Mandal
SHRI SHIV CHHATRAPATI COLLEGE

Bodkenagar, Junnar Dist. Pune.

Human Rights Education Project...



Modes of Education

1) Distance Learning :-

The candidates who are unable to attend the lectures regularly can take the benefit of distance learning with the help of the following facilities:

- 1) Self study text books
- 2) Guidance of experts
- 3) Practicals
- 4) Internal evaluation during the course
- 5) Virtual class room

2) Formal Education :-

- 1) Regular classes will be conducted
- 2) Arrangement of guest lecture Series
- 3) Group discussions
- 4) Documentary films on "Human Rights & Violence"

Medium :-

Students can write answers of internal/annual examination either in Marathi/English
The question papers will be in both the languages.

Syllabus :- First Part

Sr. No.	Sub. Code	Subject Name
1)	101	Basic Concepts in the Human Rights.
2)	102	Culture, Wisdom, Religion & Human Rights.
3)	103	International Relations, Democracy & Systems for Protection of Human Rights.
4)	104	Human Rights & Indian Constitution.
5)	105	Collection of paper cuttings regarding HRE

Syllabus :- Second Part

Sr. No.	Sub. Code	Subject Name	Compulsory / Optional
1)	201	Human Rights Activism and Role of NGOs.	Compulsory
2)	202	Historical Development of Human Rights.	Compulsory
3)	203	Mechanism for the Implementation of Human Rights.	Compulsory
4)	204	A) State of Human Rights in India	Optional
		B) Child and Human Rights	Optional
		C) Women and Human Rights	Optional
		D) Religion and Human Rights	Optional
5)	208	Project work	Compulsory



Junnar Taluka Shivner Shikshan Prasarak Mandal
SHRI SHIV CHHATRAPATI COLLEGE

Bodkenagar, Junnar Dist. Pune.

Human Rights Education Project...



Details of Project Writing :-

After understanding the concept of "Human Rights Education" candidates have to survey nearby areas. Then they should choose any one topic from the following to write a detail project.

Students have to collect articles and posters from newspapers and journals.

- 1) Human Rights and Women
- 2) Rights for Children
- 3) Rights of Education
- 4) Rights for Health Services
- 5) Rights of Handicapped
- 6) Rights of Minority
- 7) Rights of Residence
- 8) Rights of Food Facilities
- 9) Human Rights and Disorganized Workers
- 10) Rights of Schedule Caste and Schedule Tribes
- 11) Illegal Transport of Women and Child
- 12) Rights of People affected with HIV/AIDS
- 13) National / State Human Rights Commission
- 14) Rights of Rehabilitation people
- 15) Human Rights and Government - Administration
- 16) Rights of Information

Nature of Report Writing :

Report writing should be of minimum of 20 pages. Candidates should mention index, page no's, and sub-titles. Report writing should be hand written or typed as per the choice. It should be spiral bound.

Following points are necessary in every report writing.

- 1) Selection of topic
- 2) Research method
- 3) Structure of report writing
- 4) Presentation



Junnar Taluka Shivner Shikshan Prasarak Mandal

SHRI SHIV CHHATRAPATI COLLEGE

Bodkenagar, Junnar Dist. Pune.

Human Rights Education Prospectus



Annual Examination

- 1) The year End Examination will be for 100 marks
- 2) The Term End examination will have the weightage of 20 marks
- 3) The year End Examination will be for 40 % marks

Nature of Question Paper

1) Objective Questions - 20 marks

(Total Question 20 each question carries mark – 1) 20 Question out of 25

Objective Questions Include : -

- 1) Answer in a sentence
- 2) Fill up sentences
- 3) True or false sentences
- 4) Match the words or sentences

2) Answers in two or three sentences - 20 marks

20 marks 10 x 2 10 out of 15

Descriptive questions include : 1) Definations 2) Causes 3) Answers in 2 or 3 sentences

3) Short Answer Questions - 36 marks

36 marks 6 out of 9 Each Question Carries mark - 6

4) Long Answer Questions - 24 marks

24 marks Question carries 6 marks 2 x 12

Total marks - 100 = Objective - 20 marks for objective questions, Marks - 80 for long answer questions

Suggestions : -

1. Students appearing for first time at the annual examination, & are regular do not require to fill up examination form
2. Repeater students will have to fill up examination form with fees.
3. Students will have to collect hall ticket from examination center
4. Students must be aware of exam time table.
5. Students will have to collect marks statement from the center.

Human Rights Education

1. TITLE : Human Rights Education (Under the Dept. Political Science)

2. ELIGIBILITY FOR ADMISSION :

- a) Appearing last year (Arts, Commerce, Science)
- b) Appearing last year M.A./M.Com./M.Sc.
- c) Post Graduation (M.A, M.Com, M.SC and L.L.B.)
- d) Open to Advocates, political elites, civil servants, servants of police department.

3. DURATION : The duration of the HRE Course shall be of 12 months

4. FEES DETAILS : a) Admission fee - 1000/- b) Exam Fee - 200/- Total = 1200/-

5. INTAKE CAPACITY : HRE Course - 1 Batch - 40 Students

Course Co-ordinator : Prof. A. S. Patil

FACULTY MEMBERS : Prof. R. B. Pandit, Prof. S. K. Mansukh, Prof. V.P. Dongare.

MODES of EDUCATION : Post Graduate Diploma Course a) Formal Education b) Distance Education



Junnar Taluka Shivner Shikshan Prasarak Mandal's

SHRI SHIV CHHATRAPATI COLLEGE, JUNNAR

Affiliated to University of Pune

NAAC Accredited - 'A' Grade

U.G.C. Sponsored

U.G.C. Sanction No. F.1-405/2011

ज्ञान-विज्ञान विमुक्तये



Human Rights
Education Programme



Everyone
right



Human Rights Study Center

(Under the Department of Political Science)



Certificate

We the President, The Principal and The Members of the Advisory Council and The Co-ordinator of the Human Rights Study Center sponsored by U.G.C. certify that,

Mr./Mrs. **शारदा कृष्णा शिंदे**

Mr/Ms. **प्रभाश्र्वती** of Junnar Taluka Shivner Shikshan Prasarak

Mandal's Shri Shiv Chhatrapati College Junnar (Affiliated to University of Pune) having been examined and awarded certificate in Human Rights P. S. Diploma in the year **2018-13**

He/She passed with **"A"** grade.

Prof. Abhijit Patil

CO-ORDINATOR

Dr. Laxman Deore

VICE PRINCIPAL

Dr. Bhaskar Shelke

OFF. PRINCIPAL

Adv. Sanjay Kale

PRESIDENT

J. T. S. S. P. M. Junnar Pune