



# OFFICE OF THE PRINCIPAL

## GOVT. LOCHAN PRASAD PANDEY COLLEGE, SARANGARH, DIST.-RAIGARH (C.G.)

Affiliated to Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur

Email ID- glppc.dpt@gmail.com

Website.-www.glppcollege.in

Contact-07768-233306

The list and description of the courses which include Professional Ethics, Gender, Human values, Environment and Sustainability:

S.No.	Name of Programme	Name of Course
1	BA, BSc, BCom (Part 1)	Environmental Studies and Human Rights
2	BA Part 1	Sociology I,II
3	BA Part 2	Sociology I
4	MA Economics, Third semester	Environmental and Welfare Economics
5	MSc Chemistry, Fourth semester	Environmental Chemistry

Principal

शा. लो. प्र. पाण्डे महाविद्यालय  
साराग्रह, जि. रायगढ़ (छ.ग.)



# बिलासपुर विश्वविद्यालय, बिलासपुर (छ.ग.)

पुराना हाईकोर्ट भवन, बिलासपुर (छ.ग.) 495001,  
फोन : 07752-220031, फैक्स 07752-260294, ई-मेल : bilaspuruniversity.2012@gmail.com,  
वेबसाइट : www.bilaspuruniversity.ac.in

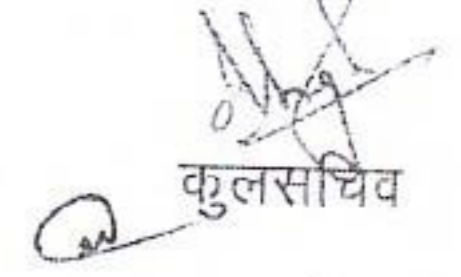
क्र. 1186 / अका. / 2014

बिलासपुर दिनांक 11/9/14

## अधिसूचना

बिलासपुर विश्वविद्यालय से सम्बद्ध समस्त महाविद्यालय को सूचित किया जाता है कि केन्द्रीय अध्ययन मण्डल द्वारा अनुमोदित पर्यावरण अध्ययन के संशोधित पाठ्यक्रम "पर्यावरण अध्ययन व मानवाधिकार" रनातक स्तर पर शिक्षा सत्र 2014-15 से प्रभावशील होगा। (अनुमोदित पाठ्यक्रम संलग्न)

आदेशानुसार,

  
कुलसचिव

पृ.क्रमांक 1187 / अका. / 2014

बिलासपुर, दिनांक 11/9/14

पतिलिपि:-

1. कुलपति के निज सहायक को माननीय कुलपति महोदय के सूचनार्थ प्रेषित।
2. परीक्षा नियंत्रक / उप-कुलसचिव (परीक्षा/गोपनीय) बिलासपुर विश्वविद्यालय, बिलासपुर को सूचनार्थ प्रेषित।
5. प्राचार्य, समस्त सम्बद्ध महाविद्यालय, को इस आशय के साथ प्रेषित की महाविद्यालय में केन्द्रीय अध्ययन मण्डल द्वारा अनुमोदित "पर्यावरण अध्ययन व मानवाधिकार" विषय का अंगीकृत पाठ्यक्रम अध्ययन-अध्यापन कराना सुनिश्चित करें।
6. संपादक, दैनिक ..... को इस अनुरोध के साथ प्रेषित की कृपया उपरोक्त अधिसूचना को अपने लोकप्रिय दैनिक समाचार पत्र में छात्रहीन में प्रकाशित करने का कष्ट करें।

  
कुलसचिव



**SYLLABUS FOR ENVIRONMENTAL STUDIES AND HUMAN RIGHTS FOR UNDER GRADUATE**

'इन्चाहरमेंटल साईसेस' के पाठ्यक्रम को स्नातक स्तर भाग-एक की कक्षाओं में विश्वविद्यालय अनुदान आयोग के निर्देशानुसार अनिवार्य रूप से शिक्षा सत्र 2003-2004 (परीक्षा 2004) से प्रभावशील किया गया है। स्वशासी महाविद्यालयों द्वारा भी अनिवार्य रूप से अंगीकृत किया जाएगा।

भाग 1, 2 एवं 3 में से किसी भी वर्ष में पर्यावरण प्रश्न-पत्र उत्तीर्ण करना अनिवार्य है। तभी उपाधि प्रदाय योग्य होगी।

पाठ्यक्रम 100 अंकों का होगा, जिसमें से 75 अंक सैद्धांतिक प्रश्नों पर होंगे एवं 25 अंक क्षेत्रीय कार्य (Field Work) पर्यावरण पर होंगे।

सैद्धांतिक प्रश्नों पर अंक -75 (सभी प्रश्न इकाई आधार पर रहेंगे जिसमें आंतरिक विकल्प रहेगा)

- (अ) लघु प्रश्नोंत्तर - 25 अंक  
(ब) निबंधात्मक - 50 अंक

Field Work - 25 अंकों का मूल्यांकन आंतरिक मूल्यांकन पद्धति से कर विश्वविद्यालय को प्रेषित किया जावेगा। अभिलेखों की प्रायोगिक उत्तर पुस्तिकाओं के समान संबंधित महाविद्यालयों द्वारा सुरक्षित रखेंगे।

उपरोक्त पाठ्यक्रम से संबंधित परीक्षा का आयोजन वार्षिक परीक्षा के साथ किया जाएगा।

पर्यावरण विज्ञान विषय अनिवार्य विषय है, जिसमें अनुत्तीर्ण होने पर स्नातक स्तर भाग-एक के छात्र/छात्राओं को एक अन्य विषय के साथ पूरक की पात्रता होगी। पर्यावरण विज्ञान के सैद्धांतिक एवं फील्ड वर्क में संयुक्त रूप से 33% (तैतीस प्रतिशत) अंक उत्तीर्ण होने के लिए अनिवार्य होंगे।

स्नातक स्तर भाग-एक के समस्त नियमित/भूतपूर्व/अमहाविद्यालयीन छात्र/छात्राओं को अपना फील्ड वर्क सैद्धांतिक परीक्षा की समाप्ति के पश्चात् 10 (दस) दिनों के भीतर संबंधित महाविद्यालय/परीक्षा केन्द्र में जमा करेंगे एवं महाविद्यालय के प्राचार्य/केन्द्र अधीक्षक, परीक्षकों की नियुक्ति के लिए अधिकृत रहेंगे तथा फील्ड वर्क जमा होने के सात दिनों के भीतर प्राप्त अंक विश्वविद्यालय को भेजेंगे।

कृपया पर्यावरण विज्ञान व मानवाधिकार विषय  
का पाठ्यक्रम अनुसंधानार्थ प्रस्तुत ई।

Dr. R. S. J.  
11/11/13

1. Prof A. K. Gupta
2. Prof C. L. Patel
3. Prof R. Prasad

Prof. C. L. Patel  
11-11-13



Part-I

**SYLLABUS FOR ENVIRONMENTAL STUDIES AND HUMAN RIGHTS FOR UNDER GRADUATE**

(paper code - 0828)

M.M. 75

**UNIT -I THE MULTI DISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES:**

Definition, Scope and Importance

Natural Resources:

**Renewable and Nonrenewable Resources:**

Natural resources and associated problems

- (a) Forest resources: Use and over-exploitation, deforestation, Timber extraction, mining, dams and their effects on forests and tribal people and relevant forest Act.
- (b) Water resources: Use and over-utilization of surface and ground water, floods drought, conflicts over water, dams benefits and problems and relevant Act.
- (c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources.
- (d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity.
- (e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources.
- (f) Land resources: Land as a resource, land degradation, man induced landslides soil erosion and desertification.

**UNIT-II ECOSYSTEM**

(12 Lecturer)

**(a) Concept, Structure and Function of an ecosystem**

- Producers, consumers and decomposers.
- Energy flow in the ecosystem
- Ecological succession.
- Food chains, food webs and ecological pyramids.
- Introduction, Types, Characteristic Features, Structure and Function of Forest, Grass, Desert and Aquatic Ecosystem.

*Adyap*  
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## (a) Biodiversity and its Conservation

- Introduction - Definition: genetic, species and ecosystem diversity.
- Bio-geographical classification of India.
- Value of biodiversity: consumptive use, productive use, social, ethics, aesthetic and option values.
- Biodiversity at global, National and local levels.
- India as mega-diversity nation.
- Hot spots of biodiversity
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wild life conflict.
- Endangered and endemic species of India.
- Conservation of biodiversity: In situ and Ex-situ conservation of biodiversity.

## UNIT-III ENVIRONMENTAL POLLUTION

(12 Lecturer)

### Definition

#### (a) Causes, effect and control measures of -

- Air water, soil, marine, noise, nuclear pollution and Human population.
- Solid waste management: Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution.
- Disaster Management: floods, earthquake, cyclone and landslides.

#### (b) Environmental Management

(12 Lecturer)

- From Unsustainable to sustainable development.
- Urban problems related to energy.
- Water conservation, rain water harvesting, watershed management.
- Resettlement and rehabilitation of people, its problems and concerns.
- Environmental ethics: Issues and possible solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.

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*Prakash*  
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Wasteland reclamation.

- Environment Protection Act: Issues involved in-enforcement of environmental legislation.
- Role of Information Technology in Environment and Human Health.

#### UNIT-IV

General background and historical perspective- Historical development and concept of Human Rights. Meaning and definition of Human Rights. Kind and Classification of Human Rights.

Protection of Human Rights under the UNO Charter. Protection of Human Rights under the Universal Declaration of Human Rights, 1948

Convention on the Elimination of all Forms of Discrimination against women

Convention on the Rights of the Child, 1989

#### UNIT-V

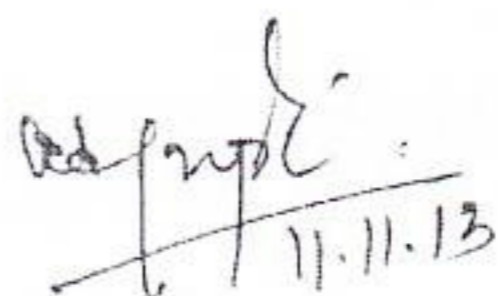
Impact of Human Rights norms in India, Human Rights under the Constitution of India, Fundamental Rights under the Constitution of India, Directive Principles of State Policy under the Constitution of India, Enforcement of Human Rights in India

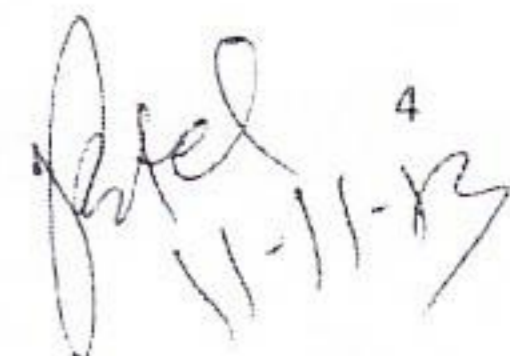
Protection of Human Rights under the Human Rights Act, 1993 - National Human Rights Commission, State Human Rights Commission and Human Rights court in India.

Fundamental Duties under the Constitution of India

#### Reference/Books Recommended:

1. SK Kapoor- Human rights under International Law and Indian Law
2. HO Agrawal- Internation Law and Human Rights
3. एस. के. कपूर - मानव अधिकार
4. जे. एन. पान्डेय - भारत का संविधान
5. एम. डी. चतुर्वेदी - भारत का संविधान
6. J. N. Pandey - Constitutional Law of India
7. Agarwal K.C. 2001 Environmental Biology, Nidi Pub. Ltd. Bikaner
8. Bharucha Erach, the Biodiversity of India, Mapin Pub. Pvt. Ltd. Ahmedabad 380013, India, Email: mapin@icenet.net(R)

  
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9. Bruinner R.C. , 1989, Hazardous Waste Incineration, Mc Graw Hill Inc. 480p
10. Clark R.S. Marine Pollution. Clarendon Press Oxford (TB)
11. Cuningham, W.P. Cooper. T.H. Gorhani. E&Hepworth. M.T. 200
12. Dr. A.K. -Environmental Chemistry, Wiley Eastern Ltd.
13. Down to Earth, Center for Science and Environment (R)
14. Gloick, H.P. 1993 Water in crisis. Pacific Institute for studies in Deve. Environment & Security. Stockholm Eng. Institute. Oxford University, Press.m 473p
15. Hawkins R.E. Encyclopedia of Indian Natural History, Bombay Natural History Society. Mumbai (R)
16. Heywood, V.H. & Watson, R.T. 1995 Global Biodiversity Assessment, Cambridge Uni. Press 1140p
17. Jadhav H. & Bhosale, V.H. 1995, Environmental Protection and Law. Himalaya pub. House, Delhi 284p
18. Mckinney M.L. & School R.M. 1996, Environmental Science systems & Solutions, web enhanced edition, 639p
19. Mhaskar A.K. Matter Hazardous, Techno-Science Publication (TB)
20. Miller T.G. Jr. Environment Science, Wadsworth Publishing Co. (TB)
21. Odum, E.P. 1971, Fundamentals of Ecology, W.B. Saunders Co. USA, 574p
22. Rao M.N. & Datta, A.K. 1987. Waste water treatment. Oxford & IBH Pub. Co. Pvt. Ltd. 345p
23. Sharma B.K. 2001, Environmental Chemistry, Goel Pub. House, Meerut
24. Survey of the Environment, The Hidu (M)
25. Townsend C. Harper J. and Michael Begon, Essentials of Ecology, Blackwell Science (TB)
26. Trivedi R.K. Handbook of Environment Laws, Rules, Guidelines, Compliances and Standards, Vol I and II, Environment Media (R)
27. Trivedi R.K. and P.K. Goel, Introduction to air pollution. Techno-Science publication (TB)
28. Wanger K.D. 1998. Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p

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**Revised syllabus**

**SOCIOLOGY 2018-2019**

B.A. PART-I

Paper - I

**INTRODUCTION TO SOCIOLOGY (Paper Code - 0115)**

- UNIT-I Sociology : Meaning, Nature, scope, Subject matter and significance.  
Basic concepts : Society, Community, institution, Association, group, Status and role.
- UNIT-II Social Institutions: Marriage, Family and kinship.  
Culture and society: Culture, socialization, The individual and society, social control, norms and values.
- UNIT-III Social Stratification: Meaning, forms and theories.  
Social Mobility: Meaning, forms and theories.
- UNIT-IV Social change: Meaning and patterns, types, factors, evolution and progress.
- UNIT-V Social System and process: Social System- meaning, characteristics and elements.  
Social process- Meaning, elements, characteristics and types.

**ESSENTIAL READINGS :-**

1. Bottomore T.B., Sociology- A guide to Problems and Literature, Bombay, George Allen and Unwin(India) 1972.
2. Inkeles, Alex. What is Sociology ? New Delhi, Prentice Hall of India 1987.
3. Jayram, N., Introductory Sociology, Madras Macmillan India 1988.
4. Johnson Harry, M., Sociology of systematic Introduction New Delhi Allied Publishers 1995.

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11/6/2018  
Head.

S.O.S. in Sociology & Social Work,  
Pt. Ravishankar Shukla University,  
Raipur. (C.G.)



Revised syllabus  
**SOCIOLOGY 2018-2019**

B.A. PART-I

Paper -II

CONTEMPORARY INDIAN SOCIETY (Paper Code-Q116)

- UNIT-I Classical View about Indian Society: Varna, Ashram, Karma, Dharma and Purusharth.
- UNIT-II The Structure and composition of Indian society.  
Structure ; Village , Towns, Cities and Rural - Urban Linkage.  
-Compositions: Tribes, Dalits, Women and Minorities.
- UNIT-III Basic Institutions of Indian Society:  
Caste system, Joint Family, Marriage and Changing dimensions.
- UNIT-IV Familial Problems:  
Dowry, Domestic violence, Divorce, Intra-intergenerational conflict, problem of elderly.
- UNIT-V Social Problems:  
Surrogate Motherhood, Live in Relationship, Regionalism, Communalism, Corruption, Youth unrest.

ESSENTIAL READINGS :-

1. Dube, S. C. 1995. Society in India, New Delhi: National Book Trust.
2. Mandelbaum, D.G. 1970. Society in India, Bombay: Postar Prakashan.
3. Shrinivas, M.N. 1973. Social Change in Modern India, California: University of California Press.
4. Shrinivas, M.N. 1990. Social Change Structure, New Delhi: Hindustan Publishing Corporation.
5. Uberoi Patricia. 1993. Family and Marriage In India, New Delhi: Oxford University Press.

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Head,  
S.O.S. in Sociology & Social Sci  
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Bhopal, (C.G.)



Revised syllabus

**SOCIOLOGY 2018-2019**

B.A. PART-II

PAPER - I

SOCIOLOGY OF TRIBAL SOCIETY

(Paper Code-0185)

- UNIT-I Tribes: Concepts, Characteristics, Tribes and Schedule Tribes, Distinction between Tribe and Caste.
- UNIT-II Classification of Tribal people: Food gatherers and hunters, Shifting cultivates, Nomads, Peasant settled Agri-culturists and Artisans.
- UNIT-III Socio-cultural Profile: Kinship, Marriage, Family, Religion and belief cultural traditions.
- UNIT-IV Tribal sensitization: Tribal Mobility, Schemes of Tribal Development, Various Tribal Movements.
- UNIT-V Problems of Tribal People: Poverty, Illiteracy, Indebtedness, Agrarian issues, Exploitation study of tribal communities in Chhattisgarh with special reference to Particularly Vulnerable Tribal Groups (PVTG).

ESSENTIAL READINGS :-

1. Vidyarthi, L.P. 1965. Cultural Counters of Tribal Bihar, Punthi Prastak, Calcutta.
2. Bose, N.K. 1971. Tribal Life in India, National Book Trust, New Delhi.
3. Das, R.K. 1988. The Tribal Social Structure, Inter India Publications, New Delhi.
4. Dubey, S.C. 1977. Tribal Heritage of India, Ethnicity, Identity and Interaction, Vol.1, Vikas Publishing House, Delhi.
5. Elwin, Verrier. 1939. The Tribal World of Verrier Elwin: An Autobiography, Oxford, New Delhi.
6. Russell, R.V. and Hira Lal. 1916. The Tribes and Castes of Central Province of India, 4 Vols. Cosmo Publications, New Delhi.

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*11/6/2018*  
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S.O.S. in Sociology & Social Work,  
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Raipur (C.G.).





बिलासपुर विश्वविद्यालय, बिलासपुर (छत्तीसगढ़)

SEMESTER SYLLABUS

**M.A. ECONOMICS**

SEMESTER III

PAPER- IV

(COMPULSORY)

ENVIRONMENTAL AND WELFARE ECONOMICS

- UNIT - I** Welfare Economics - Definition of welfare economics, Criterion of social welfare, Cardinal Criterion, Pareto Optimality Criteria, Kaldor- Hicks Compensation Criterion, The Bergson Criterion, the problem of second best.
- UNIT - II** Social welfare function, Maximization of social welfare, Maximization in perfect competition, public goods and private goods, market failure & public goods.
- UNIT - III** Environmental Economics- Beneficiation of Environmental Economics, Relation between environmental Economics and economics, Environmental Economics and ecological economics, environmental and resource economics, important issues in environmental Economics, Macroeconomic policy and environment.
- UNIT - IV** Theories of Externalities- Economies and diseconomies, External Cost, Marginal social cost, Marginal private cost, Pigeons taxes and subsidies.
- UNIT - V** Environmental value- Use value, option value and non use value, International carbon tax, environment and W.T.O.





बिलासपुर विश्वविद्यालय, बिलासपुर (छत्तीसगढ़)

SEMESTER SYLLABUS

**M.Sc. CHEMISTRY**

**SEMESTER - IV**

Paper No.	Title of the Paper (s)	Internal Assessment	Term End Exam	Practical	Total Marks
<b>COMPULSORY FOR GROUP A, B &amp; C</b>					
1.	Photochemistry & Solid State Chemistry	20	80		100
2.	Bio-Physical & Environmental Chemistry	20	80		100
<b>OPTIONAL GROUP-A INORGANIC</b>					
3.	Bioinorganic Chemistry & Supra-Molecular Chemistry	20	80		100
4.	Analytical Chemistry	20	80		100
LAB-I	Special			200	200
<b>OPTIONAL GROUP-B ORGANIC</b>					
3.	Medicinal Chemistry	20	80		100
4.	Chemistry Of Natural Product	20	80		100
LAB-I	Special			200	200
<b>OPTIONAL GROUP-C PHYSICAL</b>					
3.	Liquid States	20	80		100
4.	Computation Chemistry	20	80		100
LAB-I	Special			200	200
<b>TOTAL</b>					<b>600</b>
<b>GRAND TOTAL</b>					<b>2400</b>

Photos of some events:





# OFFICE OF THE PRINCIPAL GOVT. LOCHAN PRASAD PANDEY COLLEGE, SARANGARH, DIST.-RAIGARH (C.G.)

Affiliated to Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur

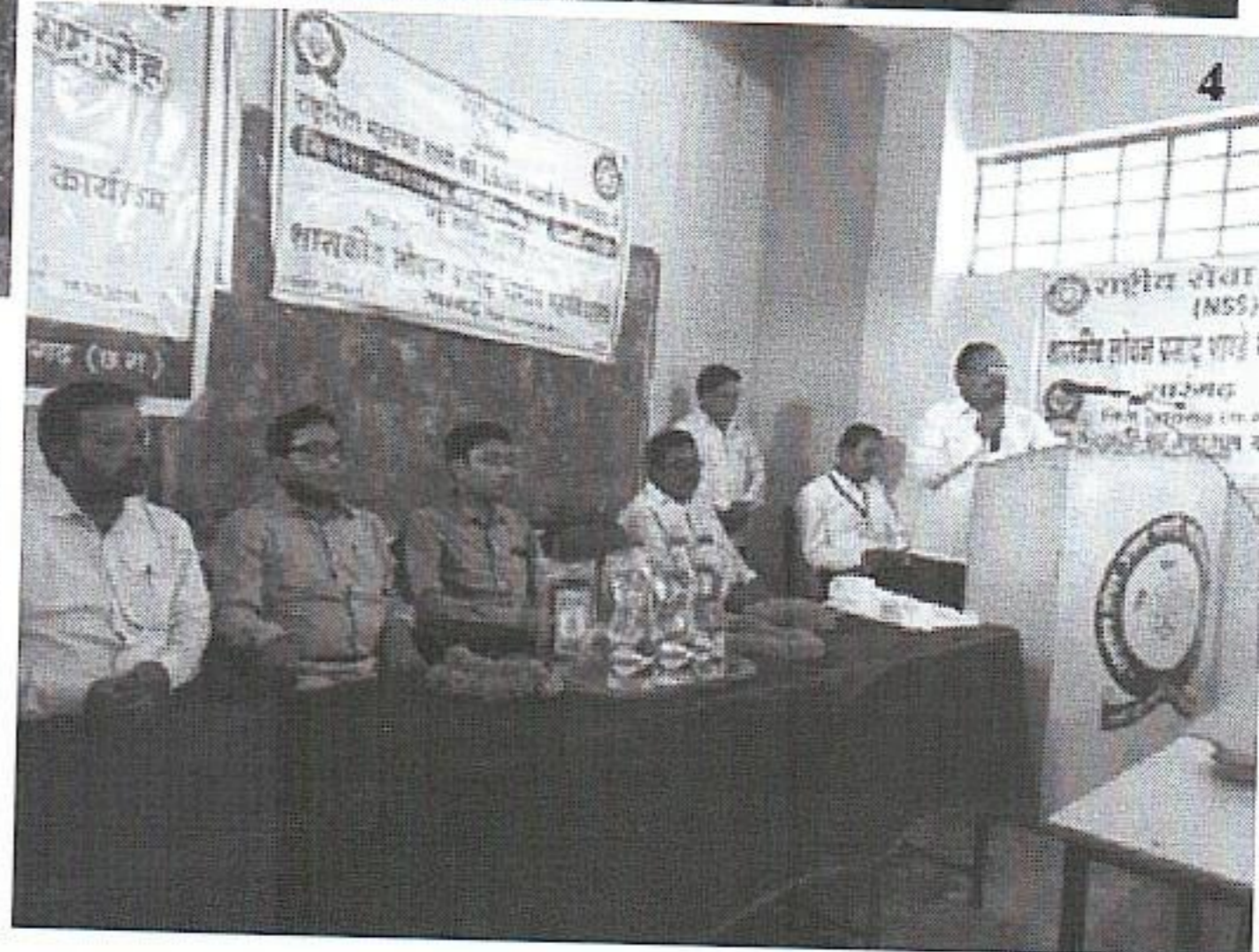
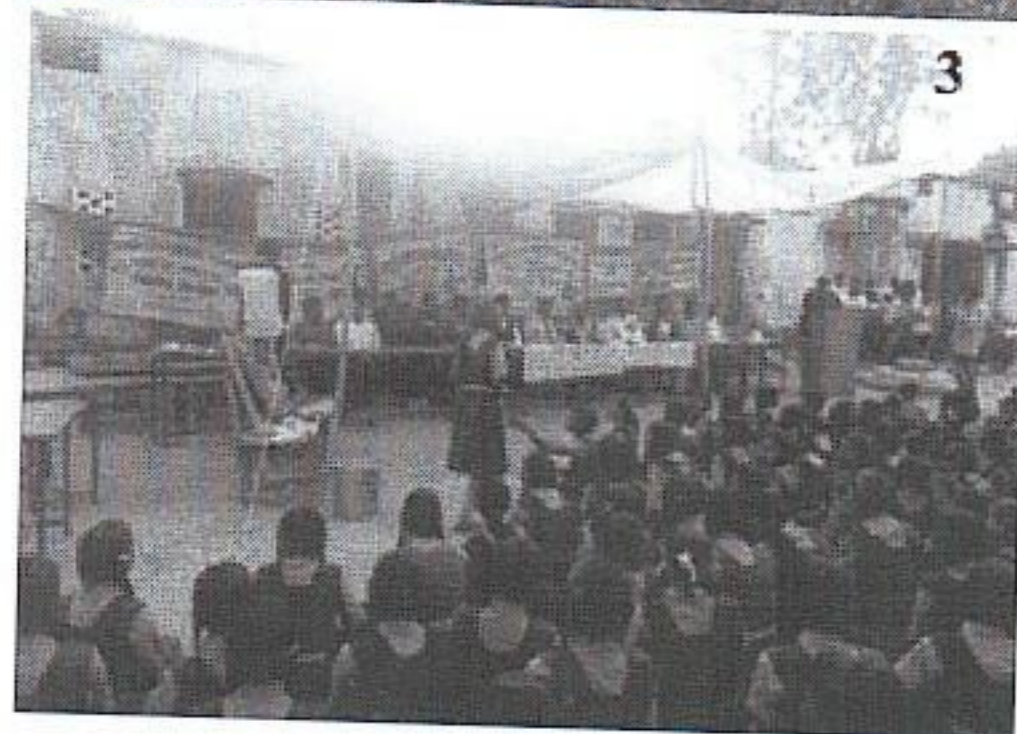
Email ID- glppc.dpt@gmail.com

Website-[www.glppcollege.in](http://www.glppcollege.in)

Contact-07768-233306

## 1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Response: Photographs related to some crosscutting issues.



1. Plantation programme
2. International women's day celebration
3. NSS camp: awareness programme
4. Vidhik shaksharta divas celebration