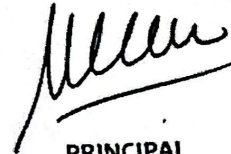


CS-405-Mini Project**Mini project Guidelines**

1. Project will be of 200 marks.
2. One project per student
3. Project title must be unique.
4. Duration of project completion will be full semester.
5. Project should be completed under the guidance of allocated guide by HOD.
6. All project work should be completed in the college laboratory under the supervision of guide.
7. For project report the specifications are – Font size 12, Name – Times New Roman, Spacing 1.5 with header and footer.
8. Project report should be with spiral binding having maximum 90-100 pages only.
9. Project report should be submitted with two hard copies.
10. Evaluation of project will be done as per university rules.



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MSc II Sem IV Zoo 404: Project

(Credit 4)

Project on suitable topic should be given to each student in the beginning of 3rd Semester and through the year work should supervised and finally Project Report with following points should be typed, bind (at least 30 pages) and submitted to department before final examination (4th Semester).

Title of the Project: Define a short, significant title which reflects clearly the contents of the report.

Abstract: Succint abstract of less than one page.

Table of content: The table of content lists all chapters (headings/subheadings) including page number.

Introduction: Explain why this work is important giving a general introduction to the subject, list the basic knowledge needed and outline the purpose of the report.

Background and results to date: List relevant work by others, or preliminary results you have achieved with a detailed and accurate explanation and interpretation. Include relevant photographs, figures or tables to illustrate the text. This section should frame the research questions that your subsequent research will address.

Aims and Objectives : List the main research question(s) you want to answer. Explain whether your research will provide a definitive answer or simply contribute towards an answer.

Methodology: Explain the methods and techniques which will be used for your project depending on the subject: field work, laboratory work, modeling technique, interdisciplinary collaboration, data type, data acquisition, infrastructure, software, etc.

Discussion / Conclusion: Explain what is striking/noteworthy about the results. Summarize the state of knowledge and understanding after the completion of your work. Discuss the results and interpretation in light of the validity and accuracy of the data, methods and theories as well as any connections to other people's work. Explain where your research methodology could fail and what a negative result implies for your research question.

Acknowledgement: Thank the people who have helped to successfully complete your project, like project partners, tutors, etc.

Reference & Literature (Bibliography): List papers and publication you have already cited in your proposal or which you have collected for further reading. The style of each reference follows that of international scientific journals.

Appendix: Add pictures, tables or other elements which are relevant, but that might distract from the main flow of the proposal



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Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
Faculty of Commerce and Management
T.Y.B. Com Semester VI

Subject: 605 b - Introduction to Business Research (Project)

Objective: To make students well acquainted with Business Research Skills and experience Business Research application in real life and prepare detail report based on the study.

Methodology: A group of 2 students may form a group for conducting Business Research Project under the guidance of teacher. Teacher will suggest suitable topic to students.

Students will select local industry / enterprise / business including cooperative society, insurance company, bank, super shop , production unit etc.

The study may be focused on various aspects of commerce and management like accounting, finance, sales, marketing, advertising , e-commerce, m-commerce, HRM , IT etc.

The study will include introduction, review of literature, research methodology, data analysis and findings, conclusion and recommendation, references and annexure which includes questionnaire etc.


Development of Questionnaire for primary data collection or development of structured questionnaire is expected.

The detail study only based on secondary data analysis will also work.


The project report may be prepared either in English or Marathi.

Use of Tables, Graphs etc. is expected. For analysis MS-Excel or PSPP may be used.

The project work will carry maximum 100 marks, of which internal teacher shall award out of maximum 40 marks on the basis of project work done by the student as an internal assessment. Viva voce of 60 marks will be conducted for external assessment.


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conserve them in ex-situ and in-situ situations. Intellectual property rights (IPRs) have become important in a biodiversity-rich country like India to protect microbes, plants and animals that have useful genetic properties. Destruction of habitats, over-use of energy resource and environmental pollution have been found to be responsible for the loss of a large number of life-forms. It is feared that a large proportion of life on earth may get wiped out in the near future.

In spite of the deteriorating status of the environment, study of environment has so far not received adequate attention in our academic programmes. Recognizing this, the Hon'ble Supreme Court directed the UGC to introduce a basic course on environment at every level in college education. Accordingly, the matter was considered by UGC and it was decided that a six months compulsory core module course in environmental studies may be prepared and compulsorily implemented in all the University/Colleges of India.

The experts committee appointed by the UGC has looked into all the pertinent questions, issues and other relevant matters. This was followed by framing of the core module syllabus for environmental studies for undergraduate courses of all branches of Higher Education. We are deeply conscious that there are bound to be gaps between the ideal and real. Genuine endeavour is required to minimize the gaps by intellectual and material inputs. The success of this course will depend on the initiative and drive of the teachers and the receptive students.

SYLLABUS

Unit I : Multidisciplinary nature of environmental studies

Definition, scope and importance

(2 lectures)

Need for public awareness.



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Unit 2 : Natural Resources :

Renewable and non-renewable resources :


Natural resources and associated problems.

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

(8 lectures)

Unit 3 : Ecosystems

- Concept of an ecosystem.


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III



- 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 the

following ecosystem :-

- a. Forest ecosystem
- b. Grassland ecosystem
- c. Desert ecosystem
- d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

(6 lectures)

Unit 4 : Biodiversity and its conservation

- Introduction – Definition : genetic, species and ecosystem diversity.
- Biogeographical classification of India
- Value of biodiversity : consumptive use, productive use, social, ethical, aesthetic and option values
- Biodiversity at global, National and local levels.
- India as a mega-diversity nation

M. M. M.
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IV



- Hot-spots of biodiversity.
- Threats to biodiversity : habitat loss, poaching of wildlife, man-wildlife conflicts
- Endangered and endemic species of India
- Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity.

(8 lectures)

Unit 5 : Environmental Pollution

Definition

- Cause, effects and control measures of :-
 - a. Air pollution
 - b. Water pollution
 - c. Soil pollution
 - d. Marine pollution
 - e. Noise pollution
 - f. Thermal pollution
 - g. Nuclear hazards
- Solid waste Management : Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution.
- Pollution case studies.
- Disaster management : floods, earthquake, cyclone and landslides.

(8 lectures)

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Unit 6 : Social Issues and the Environment


- 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. Case Studies
- Environmental ethics : Issues and possible solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case Studies.
- Wasteland reclamation.
- Consumerism and waste products.
- Environment Protection Act.
- Air (Prevention and Control of Pollution) Act.
- Water (Prevention and control of Pollution) Act
- Wildlife Protection Act
- Forest Conservation Act
- Issues involved in enforcement of environmental legislation.
- Public awareness.

(7 lectures)

Unit 7 : Human Population and the Environment

- Population growth, variation among nations.
- Population explosion - Family Welfare Programme.

VI


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- Environment and human health.
- Human Rights.
- Value Education
- HIV/AIDS.
- Women and Child Welfare.
- Role of Information Technology in Environment and human health.
- Case Studies.

(6 lectures)

Unit 8 : Field work

- Visit to a local area to document environmental assets- river/forest/grassland/hill/mountain
- Visit to a local polluted site-Urban/Rural/Industrial/Agricultural
- Study of common plants, insects, birds.
- Study of simple ecosystems-pond, river, hill slopes, etc. (Field work Equal to 5 lecture hours)


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