



UNIVERSITY OF MYSORE

**PROGRESS REPORT OF
MULTIMEDIA LEARNING RESOURCE CREATION CENTRE
(MLRCC)**

**One of the Holistic development projects
under the UPE scheme of UGC**



**University Grants Commission
Bahadur Shah Zafar Marg
New Delhi -110 002**

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(MLRCC)**

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scheme of UGC**

Preliminary Introduction

Name of University	: UNIVERSITY OF MYSORE
Address of the University	: University of Mysore Crawford Hall, Mysuru
City and Pin code	: Mysuru – 570 006
State/UT	: Karnataka
Website	: www.uni-mysore.ac.in
Email	: vc@uni-mysore.ac.in reg@uni-mysore.ac.in
Phone Number	: 0821-2419666 0821-2419361
Fax Number	: 0821-2419363
Name of the Vice-Chancellor	: Prof. G. Hemanthkumar
Name of the Coordinator	: Prof. A. Balasubramanian Department of Studies in Earth Science Manasagangotri , University of Mysore Mysuru
Chief- Coordinator	: Prof. G. Hemanthkumar IOE/UPE/CPEPA/PURSE Vijnana Bhavan Manasagangotri Mysuru

Background:

- Teaching, learning, research and extension are the four major pillars of Higher Education in India.
- Students of today and tomorrow may like to learn any subject in a comprehensive way by using the online resources, under anytime anywhere options(internet and mobile).
- There are only a few University-based web-portals containing a huge repository of articles available for use by the students and general public, like the one made by the MIT.

Aim of the MLRCC:

To create an online repository of curriculum-based, digital learning resources and make them available to students, in multimedia formats.

OBJECTIVES :

- To develop multi-media digital learning resources for students of higher education and facilitate them for learning through internet, mobile and other CD media applications.
- To establish an on-line portal for students and public access, of knowledge resources of about 100 subject areas that are needed widely(with a separate Domain Name Server at the front-end, Content Creation Server at the back-end and back-up server for recovery).
- To update the resources periodically in order to avoid redundancy and to maintain concurrency, by adopting sustainable methods.

Approach:

- Initially, the primary **content-architecture** and **basic skeletal modules** are created by the MLRCC, using in-house experts, and allow subject experts to contribute to the portal through proper validation systems.
- All uploaded articles are subjected to an online review.
- Lessons covered in published books that are suitable for student-learning will also be used with due permissions from the Authors / Publishers.
- Open source resources are also used (html, jpeg and pdf files, xls databases, images/ graphs)
- Research contributions, as latest findings, will also be allowed as entries/short communications.
- The portal www.sailos.in is open to all students of higher education.
- The project adopts the popular “CREATIVE COMMON “ methodology, where in, the content creators are spread across the world.

Contributors:

- Faculties of academic institutions, students, research scholars, scientists, working and retired officers, administrators, and entrepreneurs, members from social and economic institutions, commerce, trade, agriculture and any industry can contribute to the knowledge resources of the site through its CONTENT CREATION SECTION.

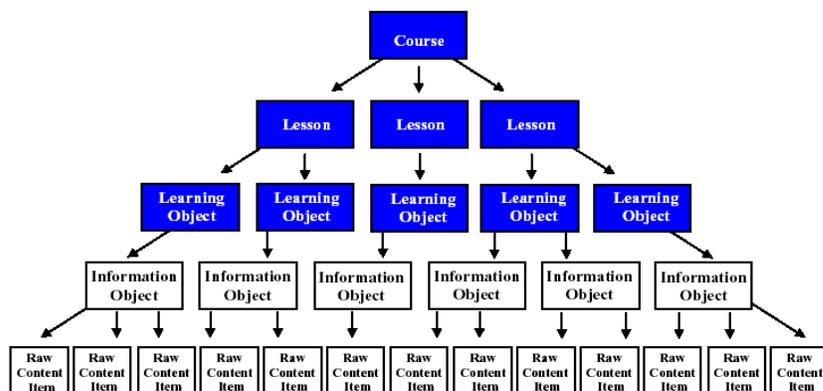
Uploading and IPR:

- Uplinking of learning resources are allowed only to our content creation server for scrutiny.
- Adoption of Fair use Policy, strict adherence to the IPR and Copyright Acts are the basic aspects.

Multimedia learning Resources:

- Since the portal is for enhancing students' knowledge, only curriculum-based articles and knowledge improvement related facts, figures, illustrations, databases, reports, charts, and maps will be considered for uploading.
- Primary and Secondary Sources of information, citations and contributors' identities are also planned to be included in an abstract form, at the end of every article.

Models of Content ARCHITECTURE



SAILOS- the portal name : Content LEVELS of the Portal :

Level 1: The main index of the portal is categorized into various subjects/disciplines offered as programmes in academic institutions.

A maximum of 99 subjects/disciplines are included. These are shown in Table 1. Each subject is allowed to include a maximum of 99 branches, as identified by concerned subject specialists, and based on their inclusion in the composition of a national level curriculum.

Level 2: Each subject is given the option of including a maximum of 99 branches (sub-sections) that are offered as courses in a degree/PG degree programmes. (A paper is used synonymously for a course in normal practice)

Level 3: Each Branch / Course is allowed to include a maximum of 99 lessons, which are equal to popular articles. Each lesson may be running from 10 to 50 pages, depending upon the topic.

Level 4: Each lesson is provided with an advantage of including 99 sections (or) Sub-headings (Sub Units) of articles which are related to the topic the lesson. These may have paragraphs of related information to the subheading.

Level 5: Every sub-unit has a provision of containing about 99 glossary items. These are going to be used in the ONLINE ENCYCLOPEDIA of SAILOS. (approximately about 1,50,000 terms).

What MLRCC can do to the faculties of the University and the globe?

1. Help to offer any on-line certificate/ diploma/ Degree courses by the departments of the university
2. MLRCC Can Conduct webinars
3. Create e-evaluation modules for students' self-evaluation and improvement.
4. Conduct periodical training to staff on using multimedia for teaching and learning.
5. Prepare a/v modules for supplementary teaching.
6. Provide gallery of infographics for teaching students in 100 subjects.
7. Generate document files on all open source items of subject-related encyclopedia.
8. Deploy ppt resources of student's seminar on-line.
9. Deploy ppt resources of faculty lectures on-line.
10. Offer any on-line certificate/ diploma on Developing Multimedia Teaching-learning Resources.

LEARNING OBJECTS: The contents of Level -4 and level 5 are “mini learning resources” called as learning objects.

Subjects Proposed: Arts, Humanities and Social Sciences

- Ancient History and Archaeology
- Anthropology
- Architecture
- Christianity
- Communication and Journalism
- Co-operative Management
- Development Studies
- Dr. B. R. Ambedkar Studies
- Dr. Babu Jagjivan Ram Studies
- Economics
- English language & Literature
- Finance & Agricultural Marketing
- Fine Arts
- Folklore
- Foreign Languages
- Gandhian Studies
- Hindi
- History
- Jainology and Prakrit
- Kannada - Language & Literature
- Linguistics
- Middle Eastern Studies
- Philosophy
- Political Science
- Psychology
- Public Administration
- Sanskrit
- Social Work
- Sociology
- South Indian Studies
- Urban & Regional Planning
- Urdu
- Women’s Studies

Science & Technology

- Bio Science
- Biochemistry
- Biotechnology
- Botany
- Chemistry
- Organic Chemistry
- Computer Science
- Criminology & Forensic Science
- Earth Science
- Electronic Media
- Electronics
- Environmental Science
- Food Science and Nutrition
- Genetics
- Geography
- Geographic Information Systems
- Human Development
- Information & Communication
- Library and Information Science
- Mathematics
- Microbiology
- Physics
- Seed Technology
- Sericulture
- Speech and Hearing
- Statistics
- Sugar Technology
- Zoology

Education & Law

- Education
- Physical Education
- Law

Commerce and Management Science

- Commerce
- Business Administration
- Business Information Technology
- Tourism

General aspects:

- Functional English
- History of Mysore University
- Inside India & Karnataka
- Mysore University English-Kannada Dictionary
- Inside Mysore
- Joyful Knowledge
- GK Learning Pool
- Proficiency Development & Softskills
- Vocational Education
- The World we live in
- Manasa Encyclopedia
- Kannada Vishaya Vishvakosha

PRIMARY FEATURES OF SAILOS:

- Display of the list of all subjects
- Display of all branches of a subject
- Display of all lesson-titles in a branch
- Browsing facility of all available lessons
- Editing facility to improve the existing lessons
- Creation of new lessons by authors, (online log in IDs)
- Suggestions for improvement of lessons and other contents
- Feedback on lessons
- Quality rating of lessons (as stars).

SECONDARY FEATURES:

- Encyclopedia
- Glossaries
- People- Who's Who - personalities
- Timelines
- Personal Life (Health, Hobbies, Skills, etc.,)
- General Knowledge
- Functional English

TERTIARY FEATURES:

- Article Revision statistics
- Article Traffic Statistics
- Article Feedback statistics
- Open source e-books & Reports as collections
- Databases
- Institutional Web links
- Journals & Books
- Copyright and creative commons policies.

THE OTHER FEATURES of the portal includes:

- See also
- References-notes
- Further reading
- External links.

Coded Contents :

- 01-99 MAIN SUBJECTs
- 01-99 PAPERS
- 01-99 TOPICS of lessons
- 01-99 CONTENTS of lessons with sub-headings
- 01-99 each sub-heading will have multimedia learning objects /glossaries
- Learning object include illustrations, images, figures, audio, video, animations,

Contributors and editors:

- Every contributor is considered as an author.
- Contents proposed will be scrutinized by an editor, who may also be an author or contributor.
- On-line Facilities will be provided for Syntax correction & Formatting –Editing through proper templates as Windows –Minor & Major Edit boxes.

Proposed infrastructure: HW/SW

- Recording and editing studio with camera, lights and editors, software, books + scanned and collected images
- DN Server + Data Server + Backup server
- 8 TB Storage SAN box, firewall, racks, etc
- Internet gateway, load balancing for at least 25000 concurrent users, initially.

Skeletal staff:

- Technical consultant-1 initially
- Three subject co-ordinators- initially
- One supt. – initially.
Currently:
- Four people as technical staff
- Three support staff

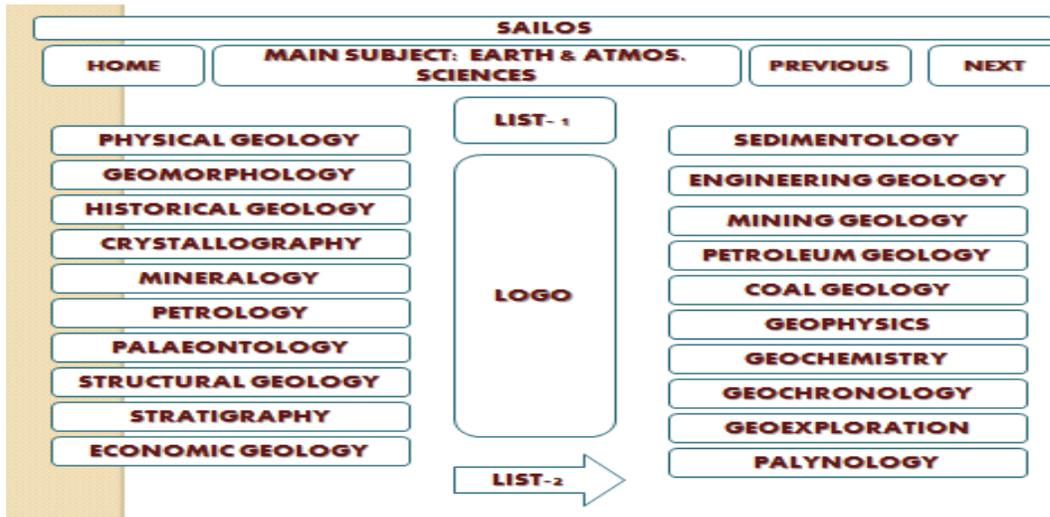
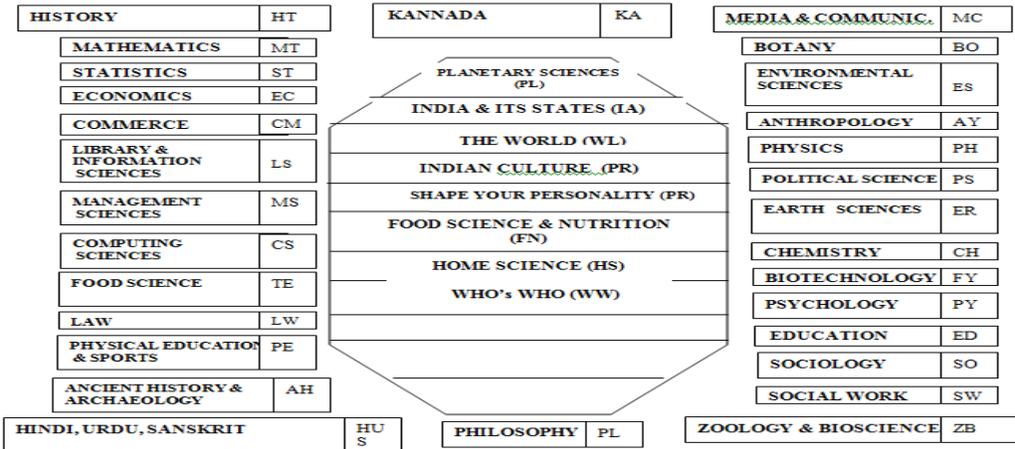
Technical Advisory Committee:

- Prof. K. Chiddananda Gowda- Chairman

Members:

- | | |
|---|--|
| • Prof. Vishwanath- Biochemistry | • Prof. Soner Nandappa- DOS in Maths |
| • Prof. Hemantha Kumar- Computer Science | • Dr. Sudhakar- Comp.centre |
| • Prof. Ravi – Director, PMEB, Statistics | • Mr. Somashekar- EMRC- Engineer |
| • Prof. R. Somashekar- DOS in Physics | • Dr. Mukundraj- Mys.Mins.Ltd- Bangalore |

UNIVERSITY OF MYSORE
(Students Academic Information and Learning Objects)



LIST OF TOPICS / LESSONS

- TOPIC-1**
- TOPIC-2**
- TOPIC-3**
- TOPIC-4**
- TOPIC-5**
- TOPIC-6**
- TOPIC-7**
- TOP-8 Marine pollution**
- TOPIC-9**

TOPIC-8 Marine Pollution

Oceans occupy a place of paramount significance in man's life. They are a vast repository of food, mineral and energy resources. The oceans modulate global climate. Variety of human activities lead to marine pollution to oceanic waters. The following are the major impacts of marine pollution. The toxic chemicals cause devastating physiological and behavioural disorder responses to marine organisms. Man and wild life suffer from harmful health effects sometimes through reproductive failures. The programme on marine pollution depicts the following aspects:

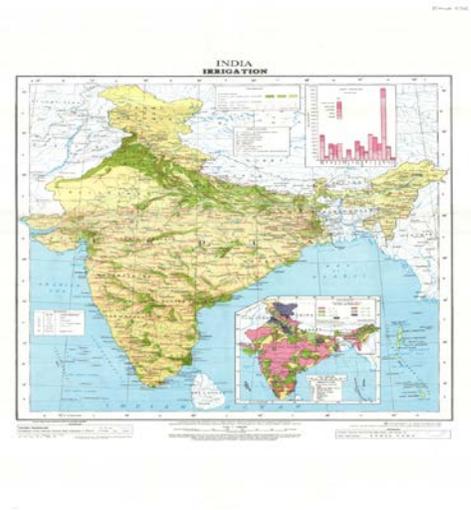
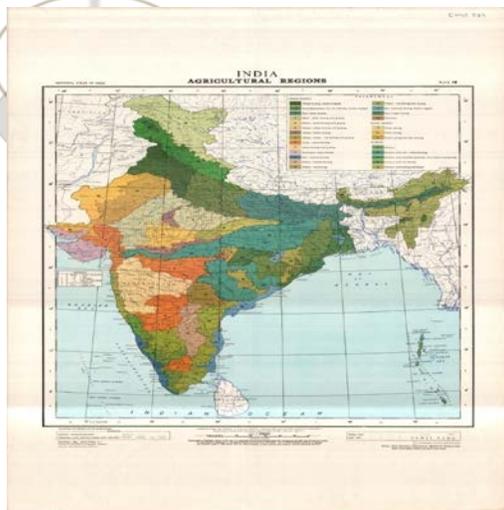
- Causes of Marine Pollution
- Nature of Pollutants
- Type of Marine Pollution
- Impact of oil on marine Environment
- Impact on Marine life

[AUDIO](#) [VIDEO](#) [E-CONTENT](#)

MAPS – OWN COLLECTIONS

SURVEY OF INDIA MAP COLLECTIONS- 150 THEMES X 10 EACH

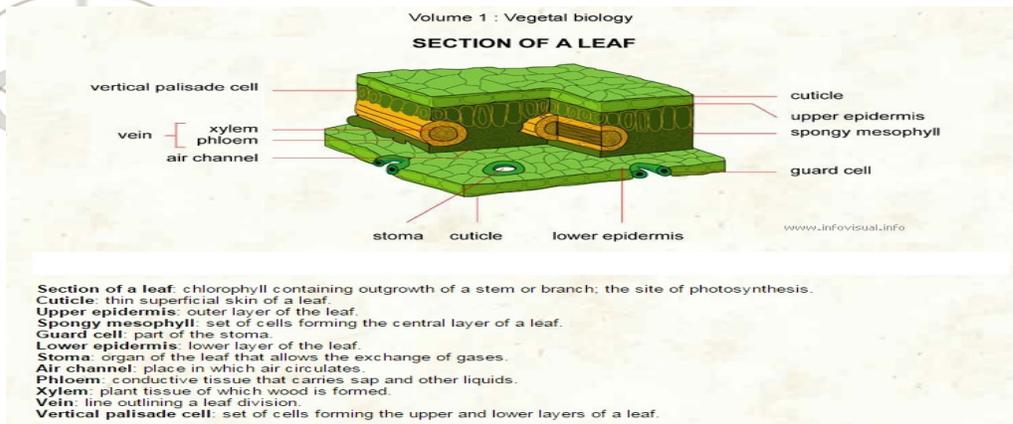
ADMINISTRATIVE MAP COLLECTIONS= 6500



Model adopted for visual content development

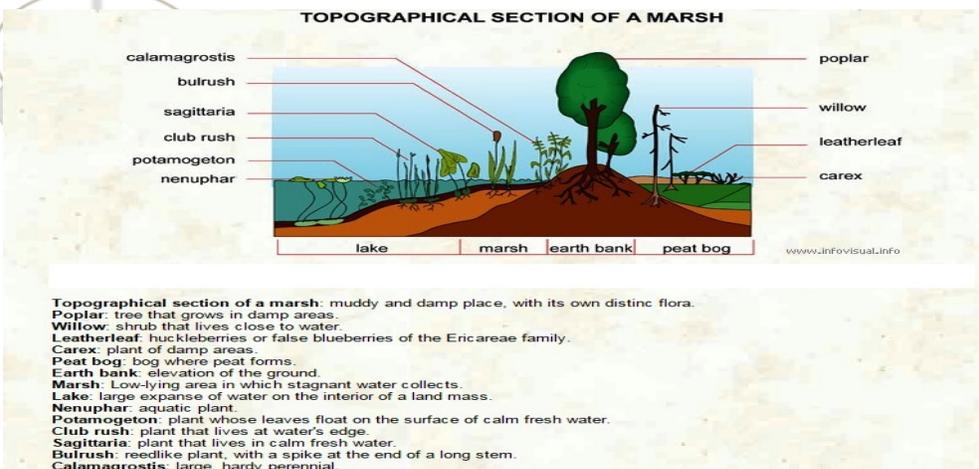
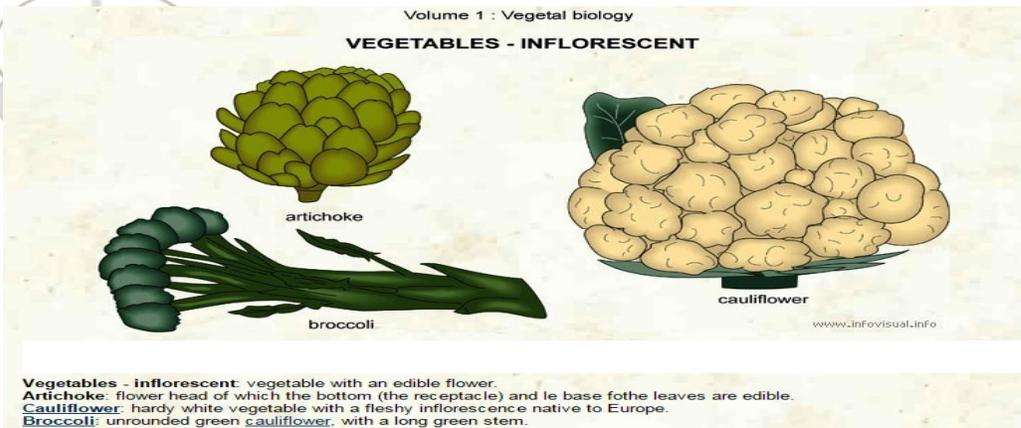
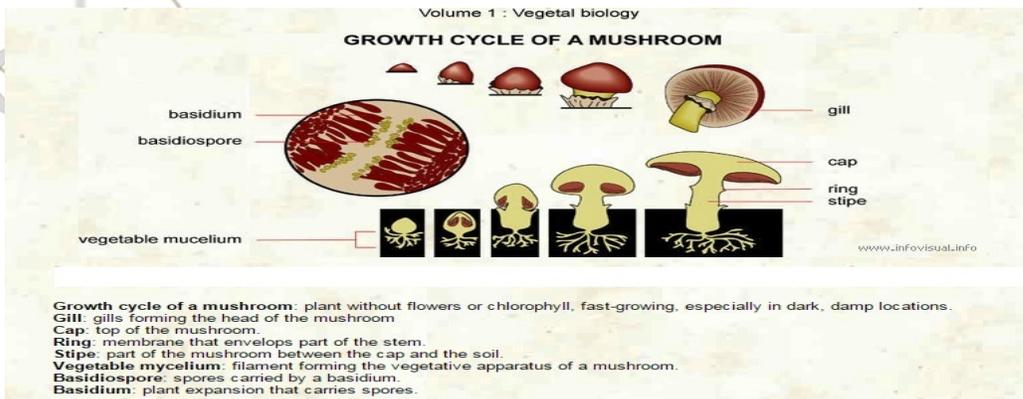
Model adopted for visual content development

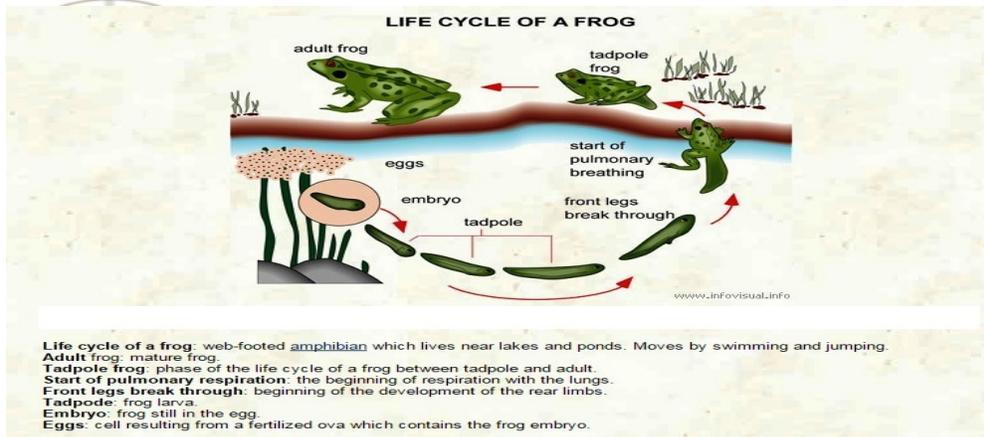
The Visual Dictionary



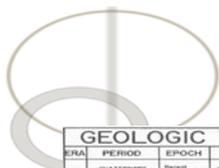
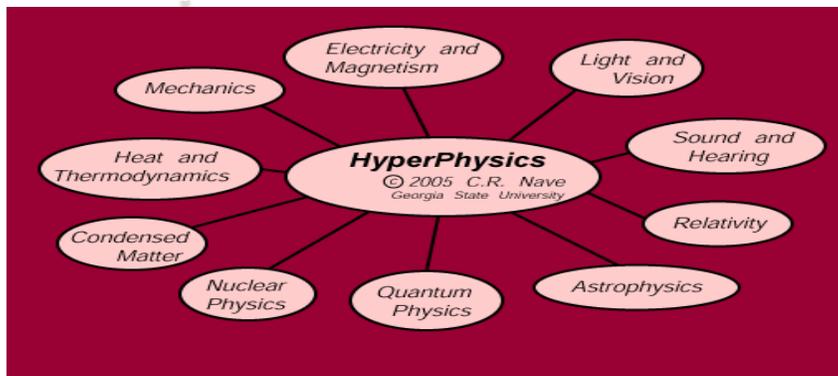
Visual learning resources





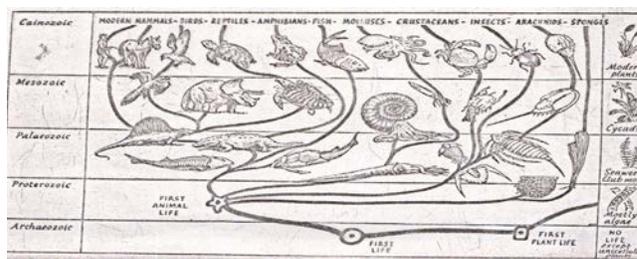
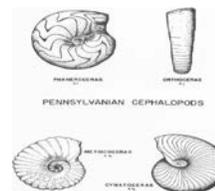


MODEL 2:



REUSABLE VISUALS:

ERA	PERIOD	EPOCH	CHARACTERISTIC LIFE
CENOZOIC	QUATERNARY (26,000 YEARS)	Recent Pleistocene	Modern Mammals
	CESTACENE (26 MILLION YEARS)	Recent Pleistocene	Modern Mammals
MESOZOIC	CRETACEOUS (145 MILLION YEARS)	Recent Pleistocene	Modern Mammals
	JURASSIC (200 MILLION YEARS)	Recent Pleistocene	Modern Mammals
PALAEZOIC	PERMIAN (250 MILLION YEARS)	Recent Pleistocene	Modern Mammals
	DEVONIAN (360 MILLION YEARS)	Recent Pleistocene	Modern Mammals
PRECAMBRIAN ERAS	PROTEROZOIC ERA	Recent Pleistocene	Modern Mammals
	ARCHAEOZOIC ERA	Recent Pleistocene	Modern Mammals



Progress made:

- Video lessons- are being recorded in Geology, Geography, Sericulture, Mathematics, Physics, Law, Kannada literature and Kannada History & Archaeology.
- With copyright permission- English- Kannada dictionary = A-L, M-Z entries have been converted(unicode) and made ready for on-line use. (to be declared open one day) .
- Audio pedia has been created of Kannada Vishaya Vishwakosha 1 out of 5 volumes (History and Ancient History) are converted for on-line access ready to Publish.
- Audio pedia has been created of Kannada Vishaya Vishwakosha 2nd volume out of 5 volumes (Zoology) are getting converted for on-line access.
- With copyright permission- Kannada Vishaya Encyclopedia 1200 entries / articles have been converted into HTML for deployment. Kannada Vishaya Vishwakosha – 5 volumes are getting converted for on-line access.
- About 28,000 pdf files have been downloaded in various subjects (open source) .
- 90 subject glossaries have been collected for teachers reference.
- Sample Objective type questions in 70 subjects have been created for on-line quiz/ tests (Each 100 for online evaluation)
- Around 18,000 Illustrations in various subjects have been collected – could be used like infovisuals- suitable for teaching –learning.
- Competitive exam preparation – contents with 1,20,000 files- syllabus, model and previous exam questions, preparatory skills, reference lists, etc are ready.
- Sailos portal has been designed.
- Studio establishment has been completed.
- Tender has been called for some more Studio Equipments and tender is under process.
- Modules recorded – E-content – 650
- 2 Batches of two day workshop(s) of 80 teachers are conducted for university teachers in order to orient them to prepare multimedia learning resources for on line access and also for their class room teaching.
- CD Contents Released during 4 Brainstorming workshops & distributed to 5000 Students.

Competitive exam preparation materials

- Competitive exam preparation – contents with 1,20,000 files- syllabus, model and previous exam questions, preparatory skills, reference lists, etc are ready.

Permanent equipment:

MLRCC has been established with state of the art facility for faculty usage.

- Sailos portal has been designed.
 - Studio establishment has been completed.
- HD CAMCODER to MLRCC Under UPE Scheme of UGC
- 65' LED/LCD Display Monitor
- **MEDIA & WEB Servers with other related accessories to Multimedia Learning Resource Creation Centre (MLRCC) Under UPE Scheme of UGC**
Media & Web Servers, Windows Storge server & Backup Media storge – NAS Gateway, SAN BOX for unified solution 15TB usable capacity, SAN Switch, KVM Switch, RACK, FIREWALL, UPS, RACK SWITCH, 5 STAND ALONE SYSTEMS, 3 LAPTOPS

- **Video Equipments to Multimedia Learning Resource Creation Centre (MLRCC) Under UPE Scheme of UGC**
Tricaster -Video Switcher with Control Surface & Dual Monitors, HD Handheld Camcorder, Tripod System with Pan Handles & Dolly, Professional Universal Media Reader media Reader, Pro SSD/HDD recorder
- **Audio Equipments to Multimedia Learning Resource Creation Centre (MLRCC) Under UPE Scheme of UGC**
Microphones Wired & wireless lapel Mike and Boom Mike , 16- Channel Premium Analog Mixer, Studio Monitor Speakers, Wired Intercom System with 4 Belt backs & 4 Headsets
- **Necessary Studio Equipments to Multimedia Learning Resource Creation Centre (MLRCC) Under UPE Scheme of UGC**
10 Studio Cool lights (2X55W, 4X55W), 10 LED Lights (Dimmable, Non Dimmable), Smart Board
- **Audio & Video Workstation to Multimedia Learning Resource Creation Centre (MLRCC) Under UPE Scheme of UGC**
Audio Video Workstation with Final Cut Pro latest version or Monarch latest version

Workshops conducted for teachers



- 2 batches x 80 teachers of our university including some affiliated colleges



Infrastructure: HW/SW



State-of-the-Art Facility Studio Floor

Infrastructure: HW/SW



Production Control Room

Infrastructure: HW/SW



Media & Web Server Room

Infrastructure: HW/SW



Audio – Video Editing Room
Windows OS (Adobe Premiere Pro) & MAC System (FCP)

Infrastructure: HW/SW



Training Hall

Reference & Recording facilities

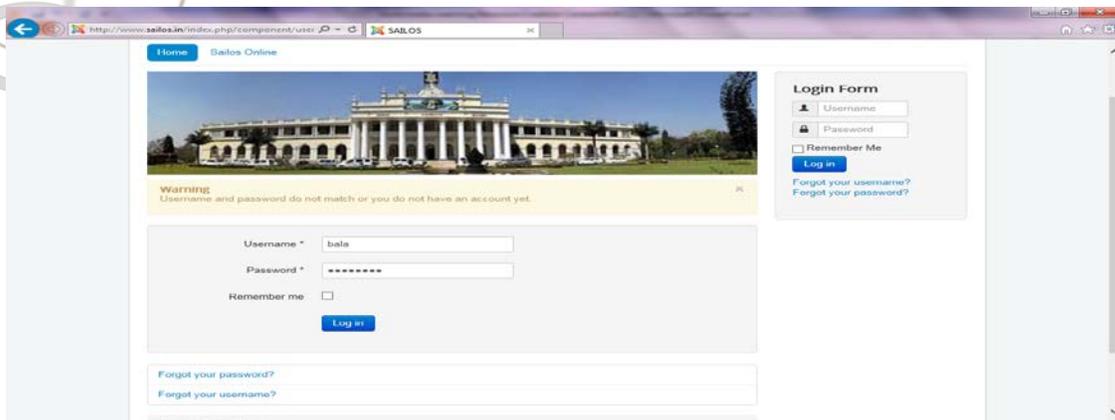


Sailos Home page



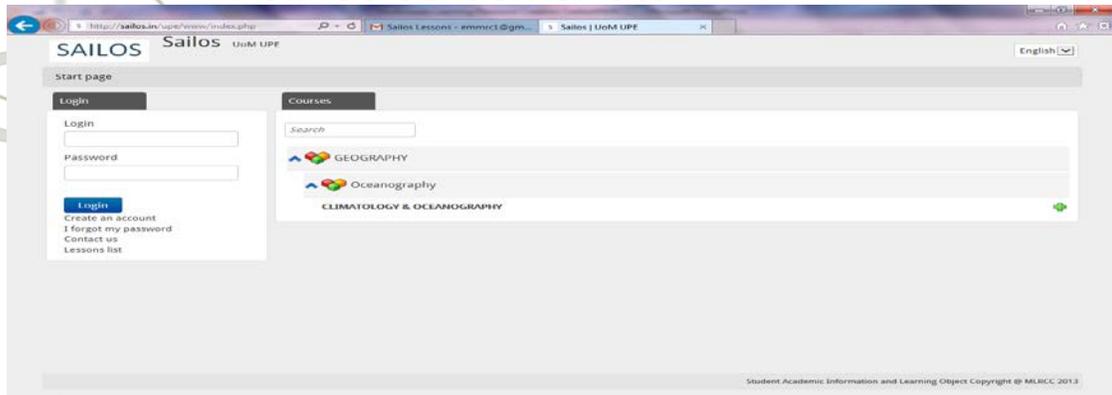
The screenshot shows the home page of the Sailos system. At the top, there is a navigation bar with "Home" and "Sailos Online" links. Below this is a large banner image of a classical building. To the right of the banner is a "Login Form" with fields for "Datta" (username) and "*****" (password), a "Remember Me" checkbox, and a "Log in" button. Below the banner, there is a section titled "Vice-Chancellor's Desk" with a "Message" icon and a small profile picture of Prof. K.S. Rangappa. The main text is a welcome message from the Vice-Chancellor, mentioning the University of Mysore and its history. At the bottom, there are links for "Forgot your username?" and "Forgot your password?".

User name & pwd



The screenshot shows the login page of the Sailos system. The URL in the browser is "http://www.sailos.in/index.php/component/user". The page features the same banner image as the home page. A "Warning" message is displayed: "Warning: Username and password do not match or you do not have an account yet." Below the warning is a login form with fields for "Username" (containing "bala") and "Password" (containing "*****"), a "Remember me" checkbox, and a "Log in" button. To the right of the form is a "Login Form" section with fields for "Username" and "Password", a "Remember Me" checkbox, and a "Log in" button. Below the form are links for "Forgot your password?" and "Forgot your username?".

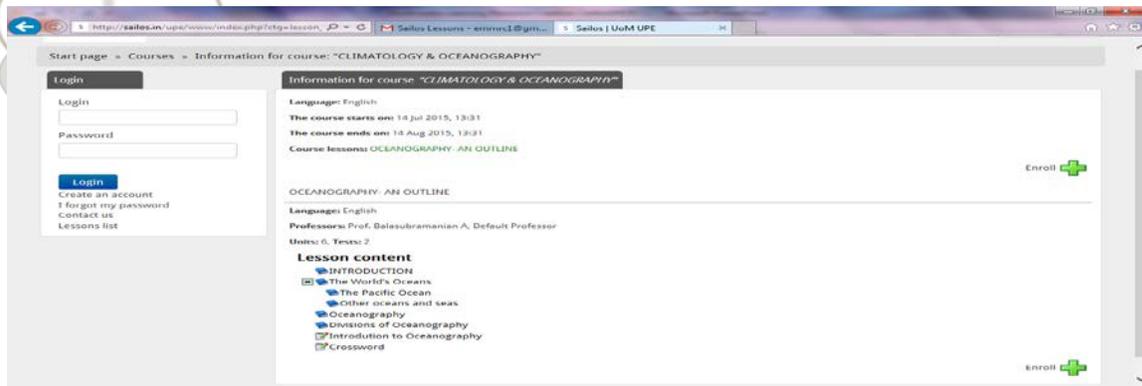
Sailos screen shots



Environmental science-I
Disaster management

Word

Sailos screen shots



Sailos screen shots

The screenshot shows the Sailos home page. The browser address bar displays <http://sailos.in/upe/www/professor.php>. The page header includes the Sailos logo, the user name 'A.P. (Bala)', and a search bar. The main content area is divided into two sections: 'my Courses' and 'Tools'. Under 'my Courses', there is a list of courses: 'GEOGRAPHY', 'Oceanography', and 'CLIMATOLOGY & OCEANOGRAPHY' (with a sub-link for 'OCEANOGRAPHY- AN OUTLINE'). The 'Tools' section contains various icons for navigation and management, including Dashboard, Group/Lesson key, Course catalog, Messages, Reports, Forum, Calendar, Courses, Lessons, Info.kiosk, and Outlook invitation. The footer contains the text 'Student Academic Information and Learning Objectives Console © M 8/2/2015' and a chat icon.

Sailos screen shots

The screenshot shows the course page for 'OCEANOGRAPHY- AN OUTLINE'. The browser address bar displays <http://sailos.in/upe/www/professor.php/lessons>. The page header includes the Sailos logo, the user name 'A.P. (Bala)', and a search bar. The main content area is divided into two sections: 'Options' and 'Announcements'. Under 'Options', there is a grid of icons for various course management functions: Lesson information, Content, Projects, Tests, Content tree management, Copy from another lesson, Feedback, Lesson rules, Glossary, Users status, Lesson reports, Files, Forum, SCORM, IMS, Administration, Modules, Billboard, Flashcards, Blogs, Grade Book, Crossword, Journal, FAQ, and Links. The 'Announcements' section shows 'No announcements'. Below this is a calendar for July 2015, with the 15th highlighted. At the bottom, there is a billboard titled 'Exit Dinosaurs, Enter Fishes' with a corresponding image.

Sailos screen shots

The screenshot shows the lesson information page for 'OCEANOGRAPHY- AN OUTLINE'. The browser address bar displays <http://sailos.in/upe/www/professor.php/lesson/les>. The page header includes the Sailos logo, the user name 'A.P. (Bala)', and a search bar. The main content area is divided into two sections: 'Information for lesson "OCEANOGRAPHY- AN OUTLINE"' and 'Lesson completion rules'. The 'Information for lesson' section includes: 'Edit information!' and 'Edit rules', 'Professors: A.P. (Bala), Professor D. (professor)', 'Content: 6 Units', and 'Tests: 2 Tests'. The 'Lesson completion rules' section includes: 'and You must complete all units' and 'and You must complete all tests'. The footer contains the text 'Student Academic Information and Learning Objectives Console © M 8/2/2015' and a chat icon.

Sailos screen shots

SAILOS Sailos UoM UPE

Home - CLIMATOLOGY & OCEANOGRAPHY - OCEANOGRAPHY - AN OUTLINE - INTRODUCTION

INTRODUCTION

Create unit | Create subunit | Update unit

When we look at the world map, we see two distinct features as continents as land frontiers and oceans as large water bodies. Oceans are marine ecosystems. They contain about 97% of all the water available on earth. But it is mostly saline. Unlike continents which are mostly detached from each other, oceans are well-connected water masses.

The origin of life is related to the oceans. It is a fact that life initially originated in saline waters on earth.

If we look at the area of coverage by the oceans, the world ocean covers about 70% of the earth's surface. Most of them lie in the Southern Hemisphere, i.e., south of the equator. The Southern Hemisphere consists in area about 80% ocean and the Northern Hemisphere about 60% of the ocean. Due to this reason, the Southern Hemisphere is called as Water Hemisphere and the Northern Hemisphere is called as Land Hemisphere. Oceans constitute the most important part of our physical environment. Ocean water is saline, dense and dynamic. It is characterized by various types of horizontal and vertical movements, such as tides, waves and currents.

Any change in sea-level has a great influence on the land masses. Oceans are rich treasures. Oceans are full of various kinds of vegetation and organic life. Some of them are very small or tiny and some of them are large animals. Marine food resources are unlimited. Fisheries are inevitable aspects in human survival.

Huge volume of Mineral matter are deposited in ocean bottoms. It is estimated that 40 pounds of gold and 200 pounds of lead are present in dissolved form in every one cubic mile of ocean water. Vast resources of petroleum, coal and natural gas lie buried deep below oceans.

Content tools

1. Upload files and images
2. Copy from another lesson
3. Content tree management
4. Import SCORM content
5. Content Metadata
6. Apply a function to all units

Lesson material

- INTRODUCTION
- The World's Oceans
- The Pacific Ocean
- Other oceans and seas
- Oceanography
- Divisions of Oceanography
- Introduction to Oceanography
- Crossword

Unit operations

1. Print unit
2. Add comment
3. Open unit in popup window

Frequent chat (1)

Sailos screen shots

Toggle random test

Adjust questions | Add question of type

The current test has 5 questions of total time 0m

Question test

Question	Unit name	Type	Difficulty	Weight	Time	Operations	Use question
What percentage of the world is covered by water?	INTRODUCTION	MC	Easy	4	-	View Edit Delete	<input checked="" type="checkbox"/>
The Top 10 feet of the ocean surface contains m...	None unit	MC	Easy	4	-	View Edit Delete	<input checked="" type="checkbox"/>
What percentage of ocean/ water is covered by l...	None unit	MC	Easy	4	-	View Edit Delete	<input checked="" type="checkbox"/>
Match the following	None unit	MC	Easy	4	-	View Edit Delete	<input checked="" type="checkbox"/>
Mark oceans in the image	None unit	MC	Easy	4	-	View Edit Delete	<input checked="" type="checkbox"/>
Smallest Ocean in the world*****	INTRODUCTION	MC	Easy	2	-	View Edit Delete	<input type="checkbox"/>
Which Ocean is to west of Africa?*****	INTRODUCTION	MC	Easy	2	-	View Edit Delete	<input type="checkbox"/>
World's largest Ocean?*****	None unit	MC	Easy	2	-	View Edit Delete	<input type="checkbox"/>
Famous Hurricane in North America*****	INTRODUCTION	MC	Easy	2	-	View Edit Delete	<input type="checkbox"/>
Which Ocean which is a mix of many oceans*****	None unit	MC	Easy	2	-	View Edit Delete	<input type="checkbox"/>
study of physical properties and dynamics of th...	None unit	MC	Easy	2	-	View Edit Delete	<input type="checkbox"/>
ecological concepts are central to which divisi...	None unit	MC	Easy	3	-	View Edit Delete	<input type="checkbox"/>
fishery biology, aquaculture is a part of which...	None unit	MC	Easy	2	-	View Edit Delete	<input type="checkbox"/>

Filter...

Rows: 20 | Results: 1-13 | out of 13 | Chat (1)

Sailos screen shots

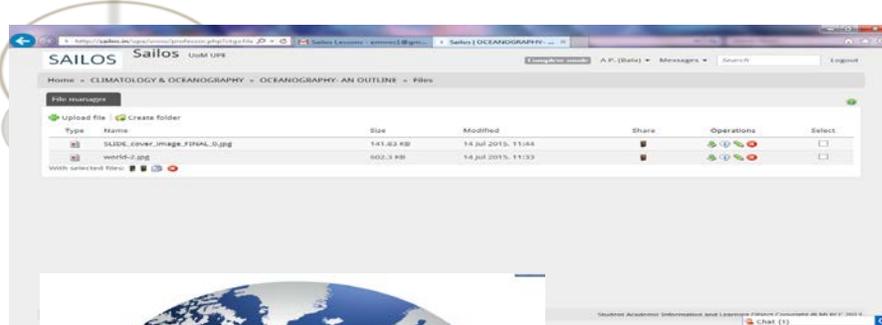
Video name	YouTube video link	Operations
Oceanography - An Outline	http://www.youtube.com/watch?v=B3Q6kVwx70	[Icons]

Transcript pdf

Video

Audio

User	User type	Registration date	Time in lesson	Overall progress	Tests score	Projects score	Completed	Completed on	Score	Last log in
A.P. (Bala)	Professor	14 Jul 2015	05m 08s	-	-	-	-	-	-	15 Jul 2015, 08:17:12
Professor D. (professor)	Professor	05 Apr 2013	03h 34m 57s	-	-	-	-	-	-	14 Jul 2015, 13:09:40
Student D. (student)	Student	05 Apr 2013	01m 15s	0.00%	0.00% (0/2)	-	[Red Circle]	-	0.00%	14 Jul 2015, 13:35:23
Student S. (Student1)	Student	14 Jul 2015	01h 09m 17s	0.00%	0.00% (0/2)	-	[Red Circle]	-	0.00%	14 Jul 2015, 11:59:13



Saios screen shots

