

Karaikudi - 630003. Tamil Nadu, India













FACULTY OF MANAGEMENT DEPARTMENT OF DISASTER MANAGEMENT



M.B.A., DISASTER MANAGEMENT REGULATIONS AND SYLLABUS

(For the candidates admitted from the Academic Year 2022 - 2023)

DEPARTMENT OF DISASTER MANAGEMENT

M.B.A Disaster Management

REGULATIONS AND SYLLABUS

[For the candidates admitted from the Academic Year 2022–2023 onwards]



ALAGAPPA UNIVERSITY

(A State University Accredited with "A+"grade by NAAC (CGPA: 3.64) In the Third Cycle and Graded as Category-I University by MHRD- UGC),
Karaikudi- 630003, Tamil Nadu.

PANEL OF MEMBERS BROAD BASED BOARD OF STUDIES

Chairperson: Name: Dr.S.Chandramohan

Designation: Professor & Head i/c

Department: Department of Disaster Management Alagappa University,

Teaching Experience:21 years, ResearchExperience:14years,

Area of Research: Finance, Marketing and Human

Foreign Expert: Name: Prof.M.V.Prasanna, Designation: Associate Professor and Head

Department: Department of Applied Geology, Curtin University,

Teaching Experience: 16 years, Research Experience: 16 years,

Area of Research: Climate change and Water Resources, Sustainable

Management

Indian Expert: Name: Dr.SA.Senthilkumar,

Designation: Professor and Head,

Department: Department of Management, Pondicherry University

Teaching Experience: 20 years, Research Experience: 20 years,

Area of Research: Insurance and Health care Management

Indian Expert: Name: Dr.G.Muruganantham

Designation: Associate Professor and Head

Department: Department of Management Studies, National Institute of

Technology

Teaching Experience: 15 years, Research Experience: 15 years,

Area of Research: Marketing and General management

Industry Expert: Name: Mr.R.Narayanasamy,

Designation: District President

Company name and address: Sri Sathya Sai Seva Organisations (India)

Experience: 20 years,

Area: Disaster Response and rescue











ALAGAPPA UNIVERSITY DEPARTMENT OF DISASTER MANGEMENT

Karaikudi -630003, Tamil Nadu.

REGULATIONS AND SYLLABUS-(CBCS-University Department)

[For the candidates admitted from the Academic Year 2022 – 2023 onwards]

Name of the Department : Department of Disaster Management

Name of the Programme : M.B.A

Duration of the Programme : Full Time (Two Years)

Choice-Based Credit System

A choice-Based Credit System is a flexible system of learning. This system allows students togain knowledge at their own tempo. Students shall decide on electives from a wide range of elective courses offered by the University Departments in consultation with the Department committee. Students undergo additional courses and acquire more than the required number of credits. They can also adopt an inter-disciplinary and intra-disciplinary approach to learning, and make the best use of the expertise of available faculty.

Programme

"Programme" means a course of study leading to the award of a degree in a discipline.

Courses

'Course' is a component (a paper) of a programme. Each course offered by the Department is identified by a unique course code. A course contains lectures/tutorials/laboratory/seminar/project/practical training/report writing/Viva-voce, etc or a combination of these, to meet effectively the teaching and learning needs.

Credits

The term "Credit" refers to the weightage given to a course, usually in relation to the instructional hours assigned to it. Normally in each of the courses credits will be assigned on the basis of the number of lectures/tutorial/laboratory and other forms of learning required to complete the course contents in a 15-week schedule. One credit is equal to one hour of lecture per week. For laboratory/field work one credit is equal to two hours.

Semesters

An Academic year is divided into two **Semesters.** In each semester, courses are offered in 15 teaching weeks and the remaining 5 weeks are to be utilized for conduct of examination and evaluation purposes. Each week has 30 working hours spread over 5 days a week.

Medium of Instruction:

English

Departmental committee

The Departmental Committee consists of the faculty of the Department. The Departmental Committee shall be responsible for admission to all the programmes offered by the Department including the conduct of entrance tests, verification of records, admission, and evaluation. The Departmental Committee determine the deliberation of courses and specifies the allocation of credits semester-wise and course-wise. For each course, it will also identify the number of credits for lectures, tutorials, practicals, seminars etc. The courses (Core/Discipline Specific Elective/Non-Major Elective) are designed by teachers and approved by the Departmental Committees. Courses approved by the Departmental Committees shall be approved by the Board of Studies/Broad Based Board of Studies. A teacher offering a course will also be responsible for maintaining attendance and performance sheets (CIA -I, CIA-II, assignments and seminar) of all the students registered for the course. The Non-major elective programme, MOOCs coordinator and Internship Mentor are responsible for submitting the performance sheet to the Head of the department. The Head of the Department consolidates all such performance sheets of courses pertaining to the programmes offered by the department. Then forward the same to the Controller of Examinations.

Programme Educational Objectives- (PEO)

PEO 1	To provide an in-depth understanding of the basic concepts and theories in various			
FEOT	To provide an in-depth understanding of the basic concepts and theories in various			
	aspects of disaster management			
PEO 2	To provide exposure to the national and international institutional and governance			
	frameworks relating to disaster risk reduction and management			
PEO 3	To familiarize approaches to risk and vulnerability analysis, and damage loss and			
	needs assessments to the students			
PEO 4	To facilitate the students to understand various sources of disaster finance and			
	institutions in the larger development context			
PEO 5	Achieving quick recovery from disaster.			
PEO 6	Creating awareness about disaster and its mitigation process among people			
PEO 7	To induce knowledge to create appropriate planning, preparation and response for			
	emergency treatment in disaster situation.			
PEO 8	To enhance awareness of Disaster Risk Management institutional processes in India			
PEO 9	To provide a basic conceptual understanding of disasters and their relationships with			
	development.			
PEO10	To understand Disaster Risk Reduction (DRR) and the relationship between			
	vulnerability, disasters, disaster prevention, and risk reduction.			

PROGRAMME SPECIFIC OBJECTIVE-(PSO)

PSO 1	Understand the concept of Disaster and Disaster Management.	
PSO 2	Get acquainted with manifesting the mitigation	
PSO 3	Understand rescue from Disaster and Relief for Disaster	
PSO 4	To get acquainted with the Disaster Risk Reduction concept.	
PSO 5	To know Government Policies about Disaster Management	

PROGRAMME OUTCOME-(PO)

PO 1	Students will learn different theoretical perspectives of disaster management		
PO 2	They will be trained, with hands-on techniques, on various practical aspects of		
	disaster management such as mitigation, response, and recovery		
PO 3	Students will learn to apply interdisciplinary field research techniques		
PO 4	Students will be able to find opportunities in disaster management sectors,		
	government and non-government organizations, policy-making bodies, research and		
	academic institutions, and consultancy firms		
PO 5	Appropriate actions at all points in the cycle lead to greater preparedness, better		
	warnings, reduced vulnerability, or the prevention of disasters during the next		
	iteration of the cycle		
PO 6	The complete disaster management cycle includes the shaping of public policies and		
	plans that either modify the causes of disasters or mitigate their effects on people,		
	property, and infrastructure		
PO 7	Explain Emergencies and controls, with examples of industrial disasters and their		
	consequences.		
PO 8	Describe the elements of emergency planning and preparedness.		
PO 9	Summarize the causes of natural disasters, mitigation of their effects, rescue, relief,		
	and rehabilitation.		
PO 10	Explain the disaster management mechanism and capacity-building concepts		

PROGRAMME SPECIFIC OUTCOME- (PSO)

PSO 1	Demonstrate a systematic understanding of the key stages of emergency planning and			
	response, the hazards, and potential public health needs in the event of a disaster			
	occurring.			
PSO 2	Be able to devise, critically review and appraise an emergency plan.			
PSO 3	Apply knowledge and understanding of the importance and value of the emergency			
	needs assessment, and able to explain the process of how this assessment is organized			
	and carried out.			
PSO 4	Apply knowledge and understanding of the need for, and methods of, programme			
	monitoring, evaluations, and impact assessments.			
PSO 5	Critically evaluate the role and activities undertaken during the disaster recovery			
	stage.			

Eligibility for admission

Applicants who have passed any undergraduate degree are eligible for admission to the M.B.A Disaster Management Programme. Both male and female students not exceeding 40 in number will be admitted to this Programme. Those who are waiting for the results of Final semester examination can also apply for this programme. Students will be selected based on their marks scored in the UG Programme/ entrance examination, group discussion and personal interview.

Minimum Duration of programme

The programme is for a period of two years. Each year shall consist of two semesters viz. Odd and Even semesters. Odd semesters shall be from June / July to October / November and even semesters shall be from November / December to April / May. Each semester there shall be 90 working days consisting of 6 teaching hours per working day (5 days/week) exclusive of the days for the conduct of the University end- semester examination.

Components

A PG programme consists of a number of courses. The term "course" is applied to indicate a logical part of the subject matter of the programme and is invariably equivalent to the subject matter of a "paper" in the conventional sense. The following are the various categories of the courses suggested for the PG programmes:

- **A.** Core courses (CC)- "Core Papers" means "the core courses" related to the programme concerned including practicals and project work offered under the programme and shall cover core competency, critical thinking, analytical reasoning, and research skill.
- **R** Discipline-Specific Electives (DSE) means the courses offered under the programme related to the major but are to be selected by the students, shall cover additional academic knowledge, critical thinking, and analytical reasoning.
- C. Non-Major Electives (NME)- Exposure beyond the discipline
- i. Students have to undergo a total of two Non Major Elective courses with 2 credits offered by other departments (one in II Semester another in III Semester).
- ii. A uniform time frame of 3 hours on a common day (Tuesday) shall be allocated for the Non-Major Electives.
- iii. Non Major Elective courses offered by the departments pertaining to a semester should be announced before the end of previous semester.
- **D.** Registration process: Students have to register for the Non-Major Elective course within 15 days from the commencement of the semester either in the department or NME portal (University website).
- E Self Learning Courses from MOOCs platforms.
- i. MOOCs shall be on voluntary for the students.
- ii. Students have to undergo a total of 2 Self Learning Courses (MOOCs) one in II semester and another in III semester.
- iii. The actual credits earned through MOOCs shall be transferred to the credit plan of programmes as extra credits. Otherwise 2 credits/course be given if the Self Learning Course (MOOCs) is without credit.
- iv. While selecting the MOOCs, preference shall be given to the course related to employability skills.
- **F.** Projects / Dissertation /Internships (Maximum Marks: 200)

The duration of the Project/Dissertation/internship during the fourth semester.

Plan of work

Project/Dissertation

The candidate shall undergo Project/Dissertation Work during the final semester. The candidate should prepare a scheme of work for the dissertation/project and should get approval

from the guide. The candidate, after completing the dissertation /project work, shall be allowed to submit it to the university departments at the end of the final semester. If the candidate is desirous of availing the facility from other departments/universities/laboratories/organizations they will be permitted only after getting approval from the guide and HOD. In such a case, the candidate shall acknowledge the same in their dissertation/project work.

Format to be followed for dissertation/project report

The format /certificate for thesis to be followed by the student are given below

- i. Title page
- ii. Certificate
- iii. Acknowledgment
- iv. Content as follows:

Chapter No	Title	Page number
1	Introduction	
2	Aim and objectives	
3	Review of literature	
4	Materials and methods	
5	Result	0
6	Discussion Discussion	
7	Summary	
8	References	

Format of the title page

Title of Dissertation/Project work

Dissertation/Project submitted in partial fulfilment of the requirement for the degree of Master of Science to the Alagappa University, Karaikudi -630003.

By (Student Name) (Register Number) University Logo

Department of -----

Alagappa University

(A State University Accredited with "A+" grade by NAAC (CGPA: 3.64) in the Third Cycle and Graded as Category-I University by MHRD-UGC, 2019: QS ASIA Rank- 216, QS BRICS Rank-104,QS India Rank-20)

Karaikudi – 630003

(Year)

Format of certificates

Certificate –Guide

This is to certify that the Dissertation/Project entitled "
" submitted to Alagappa University, Karaikudi-630 003 in partial fulfilment for the degree of
Master of Science in by Mr/Mis(Reg No
under my supervision. This is based on the results of studies carried out by him/her in the
Department of, Alagappa University, Karaikudi-630 003. This
dissertation/Project or any part of this work has not been submitted elsewhere for any other degree,
diploma, fellowship, or any other similar titles or record of any University or Institution.
Place: Karaikudi
Date:
Research Supervisor
Certificate - (HOD)
This is to certify that the thesis entitled "" submitted by Mr/Mis
(Reg No:) to the Alagappa University, in partial fulfilment for the award of the
degree of Master ofis a bonafide record of research work done under the
supervision of Dr, Assistant Professor, Department of, Alagappa
University. This is to further certify that the thesis or any part thereof has not formed the basis of
the award to the student of any degree, diploma, fellowship, or any other similar title of any
University or Institution.
Place: Karaikudi
Date: Head of the Department
Tread of the Department
Declaration (student)
I hereby declare that the dissertation entitled "" submitted to the Alagappa
University for the award of the degree of Master of in has been carried out
by me under the guidance of Dr, Assistant Professor, Department of,
Alagappa University, Karaikudi – 630 003.
This is my original and independent work and has not previously formed the basis of the
award of any degree, diploma, associateship, fellowship, or any other similar title of any University
or Institution.
Place: Karaikudi ()
Date:

Internship

The students who have opted for an Internship must undergo industrial training in the reputed organizations to accrue industrial knowledge in the final semester. The student has to find industry related to their discipline (Public limited/Private Limited/owner/NGOs etc.,) in consultation with the faculty in charge/Mentor and get approval from the head of the department and Departmental Committee before going for an internship.

i. Format to be followed for Internship report

The format /certificate for internship report to be followed by the student are given below

ii. Title page -Format of the title page

Title of internship report

Internship report submitted in partial fulfilment of the requirement for the Master of degree in ------ to the Alagappa University, Karaikudi -630003.

By (Student Name)

(Register Number)
University Logo

Department of -----

Alagappa University

(A State University Accredited with "A+" grade by NAAC (CGPA: 3.64) in the Third Cycle and Graded as Category-I University by MHRD-UGC, 2019: QS ASIA Rank- 216, QS BRICS Rank-104,QS India Rank-20) Karaikudi - 630003 (Year)

Certificate-(Format of certificate – faculty in-charge)

This is to certify that the report entitled "	
"submitted to Alagappa University, Karaikudi-630 003 in partial fulfi	lment for the Master of
Science inby Mr/Mis (Reg No) under my supervision	n. This is based on the
work carried out by him/her in the organization M/S This Internship re	port or any part of this
work has not been submitted elsewhere for any other degree, diploma, for	ellowship, or any other
similar record of any University or Institution.	
Place:	Research Supervisor
Date:	_

Certificate (HOD)

submitted by Mr/Mis(Reg No) to the Alagappa University, in partial fulfilment for the award of the Master of Science in is a bonafide record of Internship report done under the supervision of , Assistant Professor, Department of, Alagappa University and the work carried out by him/her in the organization M/S This is to further certify that the thesis or any part thereof has not formed the basis of the award to the student of any degree, diploma, fellowship, or any other similar title of any University or Institution.
Place: Karaikudi Head of the Department Date:
Certificate-(Format of certificate – Company supervisor or Head of the Organization) This is to certify that the Internship report entitled "
Date:
Declaration (student)
I hereby declare that the Internship Report entitled "
Place: Karaikudi () Date:

- > Acknowledgment
- > Content as follows:

Chapter No	Title	Page number
1	Introduction	
2	Aim and objectives	
3	Organisation profile /details	
4	Methods / Work	
5	Observation and knowledge gained	
6	Summary and outcome of the	
	Internship study	
7	References	

No. of copies of the dissertation/internship report

The candidate should prepare three copies of the dissertation report and submit the same for the evaluation of examiners. After evaluation, one copy will be retained in the department library, one copy will be retained by the guide and the student shall hold one copy. The candidate should prepare one copy of the field visit/internship report and submit the same for the evaluation of examiners

Teaching methods

Classroom lectures, Virtual lectures, PPT, Case studies, Role play, Quiz, Special lectures and Google Classrooms.

Attendance

Students must have earned 75% of attendance in each course for appearing for the examination. Students who have earned 74% to 70% of attendance need to apply forcondonation in the prescribed form with the prescribed fee. Students who have earned 69% to 60% of attendance need to apply for condonation in the prescribed form with the prescribed fee along with the Medical Certificate. Students who have below 60% of attendance are not eligible to appear for the End Semester Examination (ESE). They shall re- do the semester(s) after completion of the programme.

Examination

The examinations shall be conducted separately for theory and practical's to assess (remembering, understanding, applying, analysing, evaluating, and creating) the knowledge required during the study. There shall be two systems of examinations viz., internal and external examinations. The internal examinations shall be conducted as Continuous Internal Assessment tests I and II (CIA Test I & II).

Internal Assessment

The internal assessment shall comprise a maximum of 25 marks for each subject. The following procedure shall be followed for awarding internal marks.

Theory -25 marks

Sr.No	Content	Marks
1	Average marks of two CIA test	15
2	Seminar/group discussion/quiz	5
3	Assignment/field trip report/case study report	5
	Total	25

Project Work-75 Marks (assess by Guide/In-charge/HOD/supervisor)

1	Two presentations (mid-term)	50 Marks
2	Progress report	25 Marks
	Total	75 Marks

External Examination

- There shall be examinations at the end of each semester, for odd semesters in the month of October / November; for even semesters in April / May.
- A candidate who does not pass the examination in any course(s) may be permitted to appear in such failed course(s) in the subsequent examinations to be held in October / November or April / May. However candidates who have arrears in Practical shall be permitted to take their arrear Practical examination only along with Regular Practical examination in the respective semester.
- A candidate should get registered for the first semester examination. If registration is not possible owing to shortage of attendance beyond condonation limit / regulation prescribed OR belated joining OR on medical grounds, the candidates are permitted to move to the next semester. Such candidates shall re-do the missed semester after completion of the programme.
- For the Project Report/ Dissertation Work / internship the maximum marks will be 100 marks for project report evaluation and for the Viva-Voce it is 50 marks (if in some programmes, if the project is equivalent to more than one course, the project marks would be in proportion to the number of equivalent courses).
- ➤ Viva-Voce: Each candidate shall be required to appear for Viva-Voce Examination (in defense of the Dissertation Work /Project/ internship).

Scheme of External Examination (Question Paper Pattern)

Theory - Maximum 75 Marks

	Section A	10 questions. All questions carry equal	$10 \times 1 = 10$	10 questions – 2 each
	Section A	marks. (Objective type questions)	Marks	from every unit
	Section B	5 questions Either / or type like 1.a (or)	5 x 5 = 25	5 questions – 1 each
		b. All questions carry equal marks		from every unit
	Section C	5 questions Either / or type like 1.a (or)	5 x8 = 40	5 questions – 1 each
	Section C	b. All questions carry equal marks	3 80 = 40	from every unit

Project report/Internship report Scheme of evaluation

Project report/Internship report	75 Marks
Viva voce	25 Marks

Results

The results of all the examinations will be published through the Department where the student underwent the course as well as through University Website

Passing minimum

- A candidate shall be declared to have passed in each course if he/she secures not less than 40% marks in the End Semester Examinations and 40% marks in the Internal Assessment and not less than 50% in the aggregate, taking Continuous assessment and End Semester Examinations marks together.
- The candidates not obtained 50% in the Internal Assessment are permitted to improve their Internal Assessment marks in the subsequent semesters (2 chances will be given) by writing the CIA tests and by submitting assignments.
- ➤ Candidates, who have secured the pass marks in the End-Semester Examination and in the CIA but failed to secure the aggregate minimum pass mark (E.S.E + C I.A), are permitted to improve their Internal Assessment mark in the following semester and/or in University examinations.
- A candidate shall be declared to have passed in the Project / Dissertation / Internship if he /she gets not less than 40% in each of the Project / Dissertation / Internship Report and Viva-Voce and not less than 50% in the aggregate of both the marks for Project Report and Viva-Voce.
- A candidate who gets less than 50% in the Project / Dissertation / Internship Report must resubmit the thesis. Such candidates need to take again the Viva-Voce on the resubmitted Project report.

Grading of the Courses

The following table gives the marks, Grade points, Letter Grades and classifications meant to indicate the overall academic performance of the candidate.

Conversion of Marks to Grade Points and Letter Grade (Performance in Paper / Course)

RANGE OF MARKS	GRADE POINTS	LETTER GRADE	DESCRIPTION
90 - 100	9.0 – 10.0	0	Outstanding
80 - 89	8.0 – 8.9	D+	Excellent
75 - 79	7.5 – 7.9	D	Distinction
70 - 74	7.0 – 7.4	A +	Very Good
60 - 69	6.0 – 6.9	A	Good
50 - 59	5.0 – 5.9	В	Average
00 - 49	0.0	U	Re-appear
ABSENT	0.0	AAA	ABSENT

- a) Successful candidates passing the examinations and earning GPA between 9.0 and 10.0 and marks from 90 100 shall be declared to have Outstanding (O).
- b) Successful candidates passing the examinations and earning GPA between 8.0 and 8.9 and marks from 80 89 shall be declared to have Excellent (D+).
- c) Successful candidates passing the examinations and earning GPA between 7.5 7.9 and marks from 75 79 shall be declared to have Distinction (D).
- d) Successful candidates passing the examinations and earning GPA between 7.0 7.4 and marks from 70 74 shall be declared to have Very Good (A+).
- e) Successful candidates passing the examinations and earning GPA between 6.0 6.9 and marks from 60 69 shall be declared to have Good (A).
- f) Successful candidates passing the examinations and earning GPA between 5.0 5.9 and marks from 50 59 shall be declared to have Average (B).
- g) Candidates earning GPA between 0.0 and marks from 00 49 shall be declared to have Reappear (U).
- h) Absence from an examination shall not be taken as an attempt.

From the second semester onwards the total performance within a semester and continuous performance starting from the first semester are indicated respectively by Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA). These two are calculated by the following formulate

GRADE POINT AVERAGE (GPA) = $\Sigma_i C_i C_i / \Sigma_i C_i$

GPA = <u>Sum of the multiplication of Grade Points by the credits of the courses</u>

Sum of the credits of the courses in a Semester

Classification of the final result

CGPA	Grade	Classification of Final Result
9.5 – 10.0	O+	First Class – Exemplary*
9.0 and above but below 9.5	О	
8.5 and above but below 9.0	D ++	First Class with Distinction*
8.0 and above but below 8.5	D +	
7.5 and above but below 8.0	D	
7.0 and above but below 7.5	A++	First Class
6.5 and above but below 7.0	A +	
6.0 and above but below 6.5	A	
5.5 and above but below 6.0	B+	Second Class
5.0 and above but below 5.5	В	
0.0 and above but below 5.0	U	Re-appear

The final result of the candidate shall be based only on the CGPA earned by the candidate.

a) Successful candidates passing the examinations and earning CGPA between 9.5 and 10.0 shall be given Letter Grade (O+), those who earned CGPA between 9.0 and 9.4 shall be given Letter Grade (O) and declared to have First Class –Exemplary*.

- b) Successful candidates passing the examinations and earning CGPA between 7.5 and 7.9 shall be given Letter Grade (D), those who earned CGPA between 8.0 and 8.4 shall be given Letter Grade (D+), those who earned CGPA between 8.5 and 8.9 shall be given Letter Grade (D++) and declared to have First Class with Distinction*.
- c) Successful candidates passing the examinations and earning CGPA between 6.0 and 6.4 shall be given Letter Grade (A), those who earned CGPA between 6.5 and 6.9 shall be given Letter Grade (A+), those who earned CGPA between 7.0 and 7.4 shall be given Letter Grade (A++) and declared to have First Class.
- d) Successful candidates passing the examinations and earning CGPA between 5.0 and 5.4 shall be given Letter Grade (B), those who earned CGPA between 5.5 and 5.9 shall be given Letter Grade (B+) and declared to have passed in Second Class.
- i) Candidates those who earned CGPA between 0.0 and 4.9 shall be given Letter Grade (U) and declared to have Re-appear.
- e) Absence from an examination shall not be taken as an attempt.

CUMULATIVE GRADE POINT AVERAGE (CGPA) = $\Sigma_n \Sigma_i C_{ni} G_{ni} / \Sigma_n \Sigma_i C_{ni}$

CGPA = <u>Sum of the multiplication of Grade Points by the credits of the entire Programme</u>

Sum of the credits of the courses for the entire Programme

Where 'Ci' is the Credit earned for Course i in any semester; 'Gi' is the Grade Point obtained by the student for Course i and 'n' refers to the semester in which such courses were credited.

CGPA (Cumulative Grade Point Average) = Average Grade Point of all the Courses passed starting from the first semester to the current semester.

Note: * The candidates who have passed in the first appearance and within the prescribed Semesters of the PG Programme are alone eligible for this classification.

Maximum duration of the completion of the programme

The maximum period for completion of M.B.A in Disaster Management shall not exceed eight semesters continuing from the first semester.

Conferment of the Master's Degree

A candidate shall be eligible for the conferment of the Degree only after he/ she has earned the minimum required credits for the Programme prescribed therefore (i.e. 90 credits).

Village Extension Programme

The Sivaganga and Ramnad districts are very backward districts where a majority of people Lives in poverty. The rural mass is economically and educationally backward. Thus the aim of the introduction of this Village Extension Programme is to extend out to reach environmental awareness, social activities, hygiene, and health to the rural people of this region. The students in their third semester have to visit any one of the adopted villages within the jurisdiction of Alagappa University and can arrange various programs to educate the rural mass in the following areas for three day based on the theme.

- 1. Environmental awareness
- 2. Hygiene and Health.

A minimum of two faculty members can accompany the students and guide them.



M.B.A., DISASTER MANAGEMENT PROGRAMME STRUCTURE

S.No	Code	Name of the course	T/P	Credit	Hours/ Week		Mark	KS
		SEMESTER I	•			IA	EA	Total
1	646101	Basic concepts of Disaster Management and Risk Governance	Т	4	4	25	75	100
2	646102	Organizational Behavior	T	4	4	25	75	100
3	646103	Management Concepts	T	4	4	25	75	100
4	646104	Managerial Economics	T	4	4	25	75	100
5	646105	Information Technology for Business	P	2	6	25	75	100
6	646501	Elective1	T	2	3	25	75	100
7	646502	Elective2	T	2	3	25	75	100
		Library/ Seminar/ Spoken English		-	2	-	-	-
		Total		22	30	175	525	700
		SEMESTER II	,					
9	646201	Strategic Management	T	4	4	25	75	100
10	646202	Research Methodology	T	4	4	25	75	100
11	646203	Human Resource Management	T	4	4	25	75	100
12	646204	Finance Management	T	4	4	25	75	100
13	646205	Field work and Practical-I	P	3	6	25	75	100
14	646504	Elective3	T	2	3	25	75	100
15	646505	Elective4	T	2	2	25	75	100
17		Non-Major Elective-I	T	2	3	25	75	100
18	SLC-I*	Self-learning course(SLC)– MOOCs	N		Extra	a Cred	it	•
		Library/ Yoga/ Spoken English/ Career Guidance/ Seminar	0	-	-	-	-	-
		Total		25	30	200	600	800
		SEMESTER III		1	L			
19	646301	Preparedness and Mitigation	T	4	4	25	75	100
20	646302	Geospatial technology in Disaster Management	T	4	4	25	75	100
21	646303	Environmental Economics	T	4	4	25	75	100
22	646304	Fieldwork and Practical- II	P	3	6	25	75	100
23	646305	Institutional Internship		3	4	25	75	100
24	646507	Elective5	T	2	3	25	75	100
25	646508	Elective6	T	2	2	25	75	100
27		Non-Major Elective-II	T	2	3	25	75	100
28	SLC-II*	Self-learning course(SLC) - MOOCs			Extra	Cred	it	Į.
		Library/ Seminar/ Competitive Examination Coachin	g		-	-	-	-
		Total	1	24	30	200	600	800
		SEMESTER IV						
29	646401	Adaptation and Mitigation in Climate Change	Т	4	4	25	75	100
30	646402	Rehabilitation and Reconstruction	Т	4	4	25	75	100
31	646403	Disaster Laws & Planning Management	Т	3	4	25	75	100
32	646404	Practical in Disaster Data Processing	P	3	6	25	75	100
33	646999	Project Report and Viva-Voce		4	12	25	75	100

	Library/ Yoga/ Career Guidance/ Seminar	ı	ı	ı	-	ı
	Total	18	30	125	375	500
	Grand Total	90+EC		700	2100	2800

^{*}Credits earned through Self Leaning Courses (MOOCs) shall be transferred in the credit plan of the programme as extra credits.

List of Elective Courses

			Credit	Hours/		Mai	ks
S. No	Code	Code Electives		Week	IA	E	Total
		(Students has to choose two electives	for each	semeste	r)		
		Semester I					
1	646501	Disaster risk Management	2	3	25	75	100
2	646502	Ecosystems and Habitat	2	3	25	75	100
3	646503	Logistics and supply chain Management	2	3	25	75	100
		Semester II					
4	646504	Relief and Response	2	3	25	75	100
5	646505	Global Initiatives for Management	2	2	25	75	100
6	646506	NGO management and administration	2	2	25	75	100
		Semester III	6				
7	646507	Disaster Economics and Financing	2	3	25	75	100
8	646508	Occupational health Management	2	2	25	75	100
9	646509	Emergency response system and Fire safety management	2	2	25	75	100

Non- Major Elective- Courses offered to the other Department.

S. No	Paper Code	Semester	Title of the paper	Credits	Hours/ Week	N	Iarks	;
						I	E	T
1	NME1	II	Introduction to Disaster Management	2	3	25	75	100
2	NME2	III	Climate Change and Society	2	3	25	75	100

			Semester – I	
C	Cours	e code:		s: Hours:
Core	646	101	Risk Governance 4	4
			Unit – I	
Object	ive 1	To pro	ovide basic knowledge of disasters	
Introduc				Concepts-
			nerability, Resilience and Risks. Disaster Management Cycle	_
	event,	Disaste	er Response, Recovery—natural and Manmade disasters –	types and
effects.		G4 1		TZE
Outco	me 1	Studen	ts will gain insight into the basic concept of disasters.	K5
Obiost	: 2	Т. С	Unit – II	
·			niliarized students with the field of various natural disasters.	
			Hydrological Disasters - Floods, Droughts, Cloudbursts. C	_
		-	s, Tsunamis, Landslides, Volcanic eruptions. Wind-related- Tidal waves, Heat and cold Waves. Climate change- Global	•
		_	Depletion. Case studies: Floods- Chennai floods 2015, Ker	
			sha 1999, Gaja 2018. Famines and drought-Great Bengal fam	
			and 1943, Maharashtra drought 2013. Earthquake – Nepal 2015	
-			ndian Ocean Tsunami 2004.	, Gujurui,
Outcor			ourse will expose students to the various types of natural	K2
		disaste		
			Unit – III	
Object	ive 3	Studen	ts will become familiar with various manmade disasters.	
			CBRN Chemical disasters, biological disasters, radiological	· •
			- building fire, coal fire, forest fire, Oil fire. Pollution- air	-
			restation, Industrial waste, Desertification, Mines and Quan	
	_		depletion, saltwater intrusion, biodiversity loss and biologica	
			konam School fire 2004, The Bhopal Gas Tragedy 1984, I	
			ter, <mark>Jap</mark> an 2011. Biological disasters— <mark>Swine</mark> flu 2009. W	ar-Atomic
			a a <mark>nd N</mark> agasaki 1945, Covid – 2019. nts will learn about different disasters and measures	to KA
Outcol	ine 3		e the risk due to these disasters.	10 134
		reduce	Unit – IV	
Object	ive 4	To tea	ch the concept of risk and vulnerability at different	stages of
3			er management.	a a garage
Funding	for I	Disaster	Management: State Disaster Mitigation fund, State Disaster	r response
			al Disaster Response Fund (NDRF), Prime Minister Nation	
`			ef Minister Relief Fund and Role. Important statutes with	provisions
		1	nagement.	
Outcor	me 4		nts will learn about disaster risk and vulnerability at	K2
		differe	ent stages.	
01: 4	• . =	Tr.	Unit – V	
			ovide insight into sustainable development of disaster manag	
_	•	_	g: Setting up EOCs at state, district and block levels; aster Response Force; Training and Capacity building	_
			nal Institute of Disaster Management (NIDM), Disaster Mar	
			every State; Centre of Excellence. Role of NGO coordinates	_
			es in disaster management. Governance challenges in the	didii diid
		sasters.		
Outcor			dents' progress through the course, they will become more	K4
			of disaster planning and management.	

Suggested Readings

Alexander, D., & Alexander, D. E. (2000). Confronting catastrophe: new perspectives on natural disasters. USA: Oxford University Press.

Andharia, J. (2013). Vulnerability and disasters: Conceptual contours of a people-centered view. In: S. Parasuraman & Unni Krishnan (ed.) India Disaster Report II: Redefining Disasters. Delhi: Oxford University Press.

Blaikie, P., Cannon, T., Davis, I., & Wisner, B. (2014). At risk: natural hazards, people's vulnerability and disasters. Routledge.

Edward A. Keller and Robert. H. Blodgett. (2008). Natural Hazards. Pearson Prentice Hall. USA. Goel. S.L. (2007). Disaster Administration and Management, New Delhi: Deep & Deep publication, Gupta Anil K, Sreeja S. Nair. (2011). Environmental Knowledge for Disaster Risk Management, New Delhi: National Institute of Disaster Management.

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Sen, A.K. (1983). Poverty and Famines: An Essay on Entitlement and Deprivation, New Delhi: Oxford University Press. Alemanno, A. (Ed.). (2011). Governing disasters: the challenges of emergency risk regulation Edward Elgar Publishing.

Chakrabarty, B., & Bhattacharya, M. (Eds.). (2008). The governance discourse: a reader USA: Oxford University Press.

Chatterjee, P. (2004). The politics of the governed: reflections on popular politics in most of the world. Columbia University Press.

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Uday Singh, Disaster Management. Directorate of Distance & Continuing Education, Utkal University,

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f Disaster Management in India. Retrieved from

https://asdma.gov.in/pdf/publication/undp/disaster_management_in_india.pdf

Stephan Baas, Selvaraju Ramasamy, Jenni Edy de Pryck, Federica Battista. Disaster risk management systems analysis A guide book

https://www.fao.org/3/i0304e/i0304e.pdf

Melanie Gall, Susan L Cutter, Khai Hoan Nguyen Gall, Governance in disaster risk management. Retrieved from

<u>file:///C:/Users/vasan/Downloads/Galletal2014GovernanceforDRM.pdf</u> Introduction to Disaster Risk Reduction.

https://www.preventionweb.net/files/26081_kp1concepdisasterrisk1.pdf

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create
		(Course Design	ned by: Dr. S. C	Chandramohan

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	L(1)	M (2)	S (3)	M (2)	S (3)	M (2)	L(1)	L(1)	L(1)
CO2	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)	S (3)	M (2)	M (2)	L(1)
CO3	M (2)	L(1)	S (3)	L(1)	M (2)	M (2)	L(1)	L(1)	L(1)	S (3)
CO4	M (2)	M (2)	M (2)	S (3)	L(1)	L(1)	M (2)	L(1)	L(1)	M (2)
CO5	L(1)	L(1)	L(1)	M (2)	L(1)	S (3)	L(1)	S (3)	M (2)	S (3)
W.AV	1.8	1.6	1.8	2.2	1.4	2	1.8	1.6	1.4	2

S –Strong (3), M-Medium (2), L- Low(1)

Course Outcome VS Programme Specific Outcomes

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	M (2)	L (1)	M (2)	M (2)
CO2	L (1)	S (3)	M (2)	L (1)	S (3)
CO3	M (2)	L (1)	S (3)	M (2)	M (2)
CO4	M (2)	L (1)	S (3)	S (3)	L (1)
CO5	M (2)	S (3)	L (1)	L (1)	S (3)
W.AV	2	2	2	1.8	2.2

S –Strong (3), M-Medium (2), L- Low (1)

Core		rse Code: 46102	ORG	ANIZATI	ONAL BEHA	AVIOR	Т	Credits:4	Но	ours:4
	1			1	Unit –I			<u> </u>		
Objecti	ve 1			e concepts	and significa	nce of Org	aniza	ational Beh	avio	or
	•	and its								
_				_	ents, Need and	-				
					tical and econ					
			zational be	haviour, Fu	iture of organi	isational beh	avio	ur (Relevan	t Or	ne or
Two C				· 1 1	1		£ 41			TZO
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				1	Unit II					
Object	tive 2		erstand the es,Motivat		al behaviors li	ike persona	lity,	Learning,		
Founda	tions			ehaviour:	Individual	differences	Do	rconality	Mar	anina
					of learning	,		•		<u> </u>
	•			-	nents Formati			_		
_		• •			eaning, Types				-	
					Impact and					
					Case Studies).	onsequence	00 01			, 10 0,1
Outcon						avior perco	nality	A 44:41		K4
			s will ullaei	stand the ir	iaiviauais ber	iavioi, perso	mani	v, Attituaes.	•	
		Motivati		estand the ir	ndividuals' bel	iavioi, perso	114111	y, Attitudes,	,	
		Motivati		g thiermin	Jnit III	iavior, perso		y, Attitudes,	•	
Object	tive 3		on,	Set	Jnit III	6.				j.
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Group	Dyna	To impa	on, art knowle oup Defini	edge and co	Jnit III oncepts of fou	indations of	f gro	up □ dynar developmen	nics	Group
Group Norms	Dyna Mean	To impa mics: Gro ing, Types	on, art knowle oup Defini	edge and continuous Reas	Init III oncepts of fou	indations of Formation and	f gro	up□ dynar developmen on, Normco	nics t, (Group rmity,
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Ricky W Griffin (2010), "Management", South-Western College Publications, Robbins, S. P. (2010)., "Organizational behavior", 11th Edition, Pearson Education

Online Resources

https://openstax.org/books/organizational-behavior/pages/references

https://www.coursera.org/learn/organisational-behaviour-know-your-people

https://www.coursera.org/learn/managing-people-iese

K1-Remember K2-Understand K3-Apply K4-Analyze K5-Evaluate K6-Create

Course designed by: Dr. S. CHANDRAMOHAN

Course Outcome VS Programme Outcomes

	646102 ORGANIZATIONAL BEHAVIOUR									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	S (3)	L(1)	M (2)	L(1)	S (3)	L(1)	L(1)	L(1)	L(1)
CO2	L(1)	L(1)	M (2)	L(1)	L(1)	S (3)	L(1)	L(1)	M (2)	L(1)
CO3	M (2)	M (2)	L(1)	L(1)	M (2)	S (3)	M (2)	M (2)	L(1)	M (2)
CO4	M (2)	M (2)	M (2)	L(1)	M (2)	S (3)	M (2)	M (2)	L(1)	M (2)
CO5	L(1)	L(1)	50	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	M (2)
W.AV	1.8	1.6	1.2	1.2	1.6	3	1.6	1.6	1.4	1.6

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Course Outcome VS Programme Specific Outcomes

	646102 ORGANIZATIONAL BEHAVIOUR									
CO	PSO1	PSO2	PSO3	PSO4	PSO5					
CO1	S (3)	S (3)	M (2)	L(1)	L(1)					
CO2	M (2)	M (2)	M (2)	M (2)	M (2)					
CO3	M (2)	M (2)	M (2)	L(1)	M (2)					
CO4	M (2)	L(1)	M (2)	S (3)	M (2)					
CO5	M (2)	L(1)	M (2)	S (3)	M (2)					
W.AV	2	1.8	2	2	1.8					

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Unit -I Objective 1 To help the students learn and explore the basic concepts management concepts Introduction: Nature of Management, The Evolution of management, Tasks of a Profession Manager, Manager and Environment, Systems Approach to Management, Levels Management. Outcome 1 The fundamental ideas of management will be understood by the students. Unit II Objective 2 To Understand the concepts and significance of planning and decision making. Planning & Decision Making: Steps in Planning Process, Scope and Limitations, Short-Ter and Long, Term Planning, Flexibility in Planning, Characteristics of a Sound Plan, Manageme by objectives (MBO), Decision Making Process and Techniques. Outcome 2 Students will able to absorb the basic concepts of planning and making decisions. Unit III Objective 3 To Understand the nature of organizing Nature of Organizing: Organisation Structure and Design, Authority Relationships, Delegation of Authority and Decentralisation, Impact of Technology on Organisational design, Mechanist vas. Adoptive Structures, Formal and Informal Organisation. Span of control, Pros and Cons Narrow and Wide Spans of Control, Optimum Span. Outcome 3 Students have insight into the nature of control, structure, and organisation. Unit IV Objective 4 To understand various concept of control and applications. Control: Concept of Control, Application of the Process of Control at Different Levels of Control: Concept of Control, Application of the Process of Control at Different Levels of Control: Concept of Control, Application of the Process of Control at Different Levels of Control: Concept of Control, Application of the Process of Control at Different Levels of Control: Concept of Control, Application of the Process of Control at Different Levels of Control: Concept of Control, Application of the Process of Control at Different Levels of Control and Control at Different Levels of Control and Control at Different Levels of Control at Different Levels of Control and Control at Different Levels o			I - Semester					
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Education Pvt. Ltd., Robbins, S & Coulter. (2011). Management, Prentice Hall, USA.								

Schmerhorn, J.R. (2012). Management, (11th ed.), Wiley. USA.

Schmidtz, D. & Willott, E. (2011). Environmental Ethics, London: Oxford University Press.

Online Resources

https://ddceutkal.ac.in/Syllabus/Management-Concepts-Practices.pdf

 $\underline{https://matsuniversity.ac.in/wp-content/uploads/2023/04/MANAGEMENT-CONCEPTS-AND-PRACTICES.pdf}$

 $\underline{https://www.bdu.ac.in/cde/SLM/?dir=.\%2FMBA\%2FMBA\%20I\%20Semester\%2FManagemen}\\ \underline{t\%20Concepts}$

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create					
	Course designed by: Dr. S. CHANDRAMOHAN									

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	S (3)	L(1)	M (2)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO2	L(1)	L(1)	M (2)	L(1)	L(1)	S (3)	L(1)	M (2)	L (1)	L(1)
CO3	M (2)	M (2)	L(1)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO4	M (2)	M (2)	M (2)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO5	L(1)	L(1)	V	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
W.AV	1.8	1.6	1.2	1.2	1.6	3	1.6	2	1.6	1

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	S (3)	M (2)	L(1)	L(1)
CO2	M (2)				
CO3	M (2)	M (2)	M (2)	L(1)	M (2)
CO4	M (2)	L(1)	M (2)	S (3)	M (2)
CO5	M (2)	L(1)	M (2)	S (3)	M (2)
W.AV	2	1.8	2	2	1.8

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

			I - Semester					
Core	Course 646	e Code 104	MANAGERIAL ECONOMICS	T	Credits:4	Hours:		
		I	Unit -I					
Object			roduce the students to the basic concepts of		_			
			, Nature and Scope of Managerial Economics, I		•			
			Demand and its exceptions, Elasticity of De			• •		
			cance of Elasticity of Demand. Demand Fored	castir	ig, Factors g	overning		
			nods of demand forecasting.			T		
Outc	ome1		idents will gain an understanding of the basics	ot m	anagerial	K2		
economics.								
011			Unit II					
Object			arn national income and models.					
			uction to National Income, National Income Co					
			Economic Indicators, Technology and Employn					
	•		s, Management of Cyclical Fluctuations, Fisc	cal a	nd Monetar	y Policies		
National Income and Measure of Welfare.								
Outcon	2 (300 - 1000)							
014		- ·	Unit III					
Object			quire an understanding of public revenue m					
		_	diture & Market Environment: India's Public		•			
			ments, Public Expenditure, Public Expenditure/					
			Perfect competition, Monopoly and Monopolisti		-			
			Perfect Comp <mark>e</mark> titio <mark>n and Mon</mark> op <mark>oly, Pricing, O</mark>	bjecti	ves and Poli	cies of		
Pricing.						Т		
Outco	me 3	Studen	ts can learn <mark>about Revenue, Expenditure, mark</mark>	et en	vironment.	K4		
		Τ	Unit IV					
Object			derstand budgeting and types.					
			Capital Budgeting: Constitutional Basis for Bu					
	_		ion Bills in the Parliament/Assembly, CAG					
			Management, Capital and its significance, Typ					
			pital requirements, Methods and sources o	t ra	sing capita	l, Trading		
			, Cash Budget.		•	T ===		
Outcon	ne 4	Studen	ts will Understand the basics budgeting method	is an	d types.	K2		
		T	Unit V					
Object			arn about financial relationship.					
			Relations: Role of Finance Commission in Filli	_				
			ransfers and Discretionary Transfers, Latest Fi	nance	e Commissio	n Report		
			ernments.			Т		
Outc	ome5	A finai	ncial relation to state and central course is offer	ed to	students.	K5		
Delhi: S New De	L. (2003). Chand a lhi: Pren	3). Advaand Co.Itice Hall	nced Economic Theory: Microeconomic Analys Ltd. Baumol W.J. (1982). Economic Theory and of India.	Ope	rations Anal	ysis,		
Chalury	zui, Gup	ia & Pal	. (2002). Business Economics: Text and Cases,	TAGA	Denni: Garg	3011a		

A. L. (2003). Public Finance and Public Policy. London: Cambridge University Press. Jha, R. (1998). Modern Public Economics. Routledge. London.

Damodaran, S. (2011). Managerial Economics, (2nd ed.). London: Oxford University Press.

PublishingCompany.

Hillman,

Koutsoyiannis, A. (1979). Modern Microeconomics, (2nd ed.), London: Macmillan Press.

Online Resources

Managerial Economics (Analysis of Managerial Decision Making), 9th Edition, H. L. Ahuja, S ChandLimited, ISBN:9789352535187, 9352535189

https://www.google.co.in/books/edition/_/xiyAEAAAQBAJ?hl=en&gbpv=1

Managerial Economics, Craig H. Petersen, W. Cris Lewis, Sudhir K.Jain, ISBN:9788177583861, 8177583867

https://www.google.co.in/books/edition/Managerial_Economics/U2Ipl3h4xm4C?hl=en&gbpv=1&dq = managerial+economics&printsec=frontcover

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create
		C	ourse designe	ed by: Dr. S. C	handramohar

Course Outcome VS Programme Outcomes

СО	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO1 0
CO1	S (3)	S (3)	L(1)	M (2)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO2	L(1)	L(1)	M (2)	L(1)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO3	M (2)	M (2)	L(1)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO4	M (2)	M (2)	M (2)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO5	L(1)	L(1)	- 8	L (1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
W.AV	1.8	1.6	1.2	1.2	1.6	3	1.6	2	1.6	1

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	S (3)	M (2)	L(1)	L(1)
CO2	M (2)				
CO3	M (2)	M (2)	M (2)	L(1)	M (2)
CO4	M (2)	L(1)	M (2)	S (3)	M (2)
CO5	M (2)	L(1)	M (2)	S (3)	M (2)
W.AV	2	1.8	2	2	1.8

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

		I-Semester							
Core	Course Code: 646105	INFORMATION TECHNOLOGY FOR BUSINESS	P	Credits :2	Hours:6				
		Unit-I		•					
Objective 1		Computing basics, evolution, operati etwork settings.	ng s	ystems, appli	ication				
		olution of Computing–Operating Sys luction to Network Setting – LAN ar		` •					
Outcome 1	Outcome 1 Student Acquire a comprehensive understanding of Computing, including basics, evolution, operating systems, application K1 software, and network settings exchange.								
	T	Unit-II							
Objective 2		Microsoft Office for document conanipulation, enabling enhanced pro							
Documents -	- Mail Merge - ata Analysis us	Fice Suite: MSWord —Creating, Ope - Working with Spread Sheets: MS ing excel—Linking Work Sheets and	Exce	el–Tables– Fo	ormulas and				
Outcome 2 Predict gain practical skills in MS Word for document management and formatting, and in MS Excel for data analysis, formulas, charts, and pivot tables, enhancing their productivity.									
Objective 3		Unit III erstand MS Power Point for dynamic a base management and report gene	_		MS				
Graphics in Linking Acc	oint: Creating a PPT - MS Acc	Power-Point Presentation (PPT) Using the Power-Point Presentation (PPT) Using the Project of Project: Creating and Modifying Data Excel Files. MS: Project: Creating the Project of Project	g Sli Base	de Master, A es – Report	Generation –				
	Participants g and MS Proj and project p	gain practical skills in MS PowerP ect, streamlining communication, d anning, leading to improved produ ject outcomes.	lata	management					
	To know mon	Unit IV E Internet and E-Commerce, masteria	na F	Mail Etiquat	to wah				
Objective 4		ication tools, Wi-Fi environment, an	_	_	,				
Web-Based E	E-mail, FTP and	Mail Etiquette – Usages of Search Eng Net Meeting – Wi-Fi Environment in B2C, C2C, and Mobile Commerce(M-	Mod	dern Offices –					
Outcome 4		he Participants effectively utilize roficiency in E-Mail Etiquette, searchels.			es, K4				
		Unit V							
Objective 5	Objective 5 Explore concepts of online buying and selling, including E-Payment, Payment Gateway, Security Systems, Online Stores, Internet Banking, Smart cards, and Plastic Money.								
	eway and Securit	the Internet: E-Payment and Electroni y Systems–On-Line Stores–Internet Ba							

Familiarize online transactions, utilize digital payment methods,							
Outcome 5	access online stores and internet banking and e-commerce experiences.						
	experiences.						

Suggested Readings:

Goel, R. (2003)., "Computer Applications In Management", New Age International. Rayudu, C.S(2010)., "E-Commerce, and E-Business", Himalaya Publishing Company.

Sudalaimuthu & Anthony Raj(2015)., "Computer Applications in Management", Himalaya Publishing House. Vijayaraghavan, G(2015)., Computer Applications for Management, Himalaya Publishing Company.

Online Resources:

https://www.w3schools.com/excel/index.php https://www.geeksforgeeks.org/e-commerce/

Pivot Tables in Excel (In Easy Steps) (excel-easy.com)

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create
			Cour	se designed by	Dr. S. Satish

Course Outcomes (COs) Vs Programme Outcomes (POs)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	L(1)	S(3)	M(2)	M(2)	L(1)	M(2)	M(2)	S(3)	M(2)
CO2	M(2)	M(2)	L(1)	S(3)	M(2)	M(2)	M(2)	L(1)	M(2)	M(2)
CO3	M(2)	M(2)	M(2)	L(1)	M(2)	L(1)	M(2)	M(2)	M(2)	L(1)
CO4	M(2)	M(2)	M(2)	L(1)	L(1)	L(1)	M(2)	L(1)	L(1)	L(1)
CO5	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	L(1)	L(1)	M(2)
W.Avg	2.2	1.8	2	1.8	1.8	1.2	2	1.4	1.8	1.6

S-Strong (3),M-Medium(2), L-Low(1)

Course Outcome(COs)Vs Programme Specific Outcome (PSOs)

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M(2)	S(3)	L(1)	M(2)	S(3)
CO2	S(3)	M(2)	M(2)	M(2)	M(2)
CO3	S(3)	M(2)	L(1)	M(2)	L(1)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)
CO5	M(2)	M(2)	M(2)	M(2)	L(1)
W.Avg	2.4	2.2	1.4	1.8	1.8

S-Strong(3),M-Medium(2), L-Low(1)

		Semester – I			
DSE	Course code: 646 501	DISASTER RISK MANAGEMENT	Т	Credits:	Hours:
	-	Unit – I	I	- 1	ı
Objectiv	e 1 Providing	basic information about risk managemer	nt.		
		ling Risk: Concept and Elements, Strate		f Risk Re	eduction.
		of Risk Reduction, Risk Reduction- Ma	_		
		ogy in Disaster Risk Reduction, Strate			
Internation	al Mobilization o	of Risk Reduction			
Outcom	e 1 A basic un	derstanding of risk management will be	gained	by	K5
	students				
1		Unit – II			
Objectiv	e 2 To Educate	e students about risk reduction.			
Risk Redu	iction: Participa	tory risk assessment - Rationale for peop	le's par	ticipation,	Role of
civil socie	ety organization	ns, Impact of Globalization, Activit	ies and	d roles	for the
community	y action Risk re	eduction, Participatory risk assessment met	thods		
Outcom	e 2 Students w	ill learn about the risk reduction techniq	lues		K4
<u> </u>		Unit – III			
Objectiv	e 3 Students w	ill learn about risk assessment and analy	vsis.		
Analytica climate r analysis t	nl systems for it isk, Mapping of using GIS, Deci	Analysis: Risk analysis techniques; Procisisk assessment, Natural hazard/risk as frisk assessment and analysis by Use of sion making forrisk reduction, Problems in	ssessme of GIS, n risk as	ent, under multi haz ssessment.	standing zard risk
Outcom	e 3 Students w	ill gain kn <mark>o</mark> wle <mark>dge of risk ass</mark> essment and	d analy	sis.	K2
		Unit – IV			
•		e concept <mark>and prevention of risk.</mark>			
	Education and	Ledical Preparedness Plan, Logistics Ma I Training in Health Management of	_		
Outcom	e 4 Risk preve	ntion will be discussed at various stages.			K5
Objectiv	e 5 Insights in	to the different case studies.			
Case studi	es: Risk reduction	n mapping and planning for vulnerable are	as, Risk	in Urban	areas,
Issues in un	rban planning, In	itiatives for risk reduction in India, Disaste	r Manag	gement in	India.
Outcom		the goal of the case studies to make disaster planning and management a			
	Readings:			1	
		Management: A Disaster Management	Handbo	ok, Asian	1
	pment Bank, Ba	-	ant af T.	die Marr	
	_	India, Ministry of Home Affairs, Governm			
Dellii, 2	2011.Inational PC	olicy on Disaster Management, NDMA, Ne	w Deini	., 2009.	

Disaster Management Act. (2005), Ministry of Home Affairs, Government of India, New Delhi, 2005. District Disaster Management Plan-Model Template, NIDM, New Delhi, 2005.

A Global Report - Reducing Disaster Risk, A Challenge for Development; UNDP Publication, 2004. Good practices in community-based disaster risk management; GoI-UNDP Disaster Risk Management Programme; 2002 – 09.

Chakrabarty, U. K. Industrial Disaster Management and Emergency Response, Asian Books Pvt.Ltd., New Delhi 2007.

Parasuraman, S & Unnikrishnan, P. V. (ed.), India Disasters Report Towards a policy initiative. Oxford, 2000.

Online Resources

Stephan Baas Selvaraju Ramasamy Jenny Dey DePryck Federica Battista. Disaster Risk Management Systems Analysis A guide book

https://www.unisdr.org/files/3769_ai504e00.pdf

Prashant K. Srivastava, Sudhir Kumar Singh, U. C. Mohanty, Tad Murty. Techniques for Disaster RiskManagement and Mitigation.

https://www.kobo.com/in/en/ebook/techniques-for-disaster-risk-management-and-mitigation

https://www.undrr.org/terminology/disaster-risk-management

https://www.worldbank.org/en/topic/disasterriskmanagement/overview

https://www.iora.int/en/priorities-focus-areas/disaster-risk-management

Disaster Risk Management and Resilience Policy.

https://www.isdb.org/sites/default/files/media/documents/2022-

02/DRMR_Policy.pdf

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create					
	Course Designed by: Dr. S. Chandramoha									

Course Outcome VS Programme Outcomes

СО	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	L(1)	L (1)	L (1)	S (3)	M (2)	S (3)	M (2)	S (3)	L(1)	L (1)
CO2	M (2)	M (2)	L (1)	L (1)	L(1)	L(1)	S (3)	L(1)	M (2)	M (2)
CO3	L(1)	L (1)	S (3)	M (2)	M (2)	M (2)	L (1)	M (2)	L(1)	L (1)
CO4	L(1)	L (1)	M (2)	M (2)	L (1)	L (1)	M (2)	L(1)	L(1)	L (1)
CO5	S (3)	M (2)	S (3)	L(1)	L (1)	S (3)	L (1)	S (3)	M (2)	M (2)
W.AV	1.6	1.4	2	1.8	1.4	2	1.8	2	1.4	1.4

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Course Outcome VS Programme Specific Outcomes

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M (2)	M (2)	L (1)	L(1)	M (2)
CO2	L(1)	S (3)	M (2)	M (2)	L (1)
CO3	M (2)	M (2)	S (3)	S (3)	M (2)
CO4	S (3)	L (1)	S (3)	S (3)	S (3)
CO5	L(1)	S (3)	L (1)	L(1)	L (1)
W.AV	1.8	2.2	2	2	1.8

S-Strong (3), M-Medium (2), L-Low (1)

		Compaton I			
	C	Semester – I	T	C 1:4	TT
DSE	Course code: 646 502	ECOSYSTEMS AND HABITAT	T	Credits: 2	Hours:
		Unit – I		•	
Objectiv	e 1 To facilitat	te student's familiarity with basic conce	pts of	ecosystem	
		and habitats, definition, classification, s			ifferences.
Introductio	n to Ecology, cy	ycling of materials, water, carbon, nitroge	en and	d phosphorus	s. Trophic
pyramids a	and food webs,	Alterations of ecosystem function, acid i	rain, 1	nuclear wint	ter, global
warming a	nd the ozone ho	le, the origin of life on earth, and changes	in ea	rth's atmosp	here.
		l be able to learn about varied types of eco			K2
		Unit – II			
		ill learn about different types of ecosys			
-	v	Habitats, Introduction to the hydrosp	,	•	*
aquatic sy	stems, subdivisi	ons, Freshwater (rivers and lakes), Wetlan	ids, E	stuarine and	marine
ecosystems					1
Outcom	e 2 Students wi	ll study the interrelationship between ecosy	stems	and habitats	s. K4
		Unit – III			•
Objectiv		will introduce to the students a basic u		standing of	the
		and its structural and functional aspec			
		: Tropical Forest types, Rain forests a			ests semi-
		sts, tropical dry evergreen forests and mang		•	
Outcom	e 3 The student	s will unders <mark>tand nature conser</mark> vation in Ind	dia.		K4
		Unit – IV			
Objectiv	e 4 It will exp	lore the <mark>interconnec</mark> tedness <mark>a</mark> mong all	the	biotic and	abiotic
	componen	ts of envi <mark>r</mark> on <mark>me</mark> nt			
Nature co	nservation in I	ndia: Legal measures, Brief history of fo	orest (conservation	n in India;
Forest Rig	ghts Act 2006,	Wildlife Protection Act 1972, Environm	ental	Protection	Act 1986,
		ment, Coastal Regulation Zone Notif			1991 and
subsequent	amendments, C	RZ Notification 2011 and CRZ Notificati	on 20	19.	
Outcom	e 4 Students wi	ll have the opportunity to learn about conse	ervati	on and	K2
	livelihood.				
Objectiv		udents about the dynamic nature of ecol	logica	l processes	in
		gequilibrium in nature.			
		livelihood: Sea Turtle Conservation in		· ·	
		ry, Gulf of Mannar Marine National Pa		d Biosphere	Reserve
		alai National Park and Wildlife Sanctuar			
Outcom	e 5 Students lea	arn about energy level changes in different	ecosy	stems	K 5
Suggested 1	Readings				
-		Reiss. (1998). Ecology: Principles and App	olicati	ons. Cambri	dge
	ersity Press. UK.				
		ology: The Experimental Analysis of Distr	ibutic	on and Abund	dance,
	amin Cummings				
	' '	nvironmental Science. Thomson, Californi			
		n Introduction to Freshwater Ecology, Edin	iburg:	Liver & Bo	yd.
Russe		1 14 5 2 27 27 27		D 1 1	
		cology and the Environment. New York: S	pringe	er Dordrecht	,
Heide Cincle	elberg.	and S. R. Gupta. (2006). Ecology, Environ	n m c 1	and Dagger	20
			iiiient	anu Kesour	ie.
Cons	civation.New De	elhi: Anamaya Publications.			

Verma & Agarwal. (1995). Environmental Biology (Principles of Ecology), New Delhi: Chand & co.,

Online Resources:

Ecology Principles and Applications, J. L. Chapman, M. J. Reiss, Cambridge University Press, ISBN:9780521588027, 0521588022

https://www.google.co.in/books/edition/Ecology/PoRP0g2Jh9YC?hl=en&gbpv=1&dq=Chapman,+J.

<u>L+and+M.J.+Reiss.+(1998).+Ecology:+Principles+and+Applications.+Cambridge+University+Press.+ UK.&printsec=frontcover</u>

Environmental Science, G. Tyler Miller, Scott Spoolman, Cengage Learning, 2012, ISBN-1111988935, 9781111988937

https://books.google.co.in/books?id=ZHKmTh2j3eIC&newbks=0&hl=en&source=newbks_fb&redir_esc=y

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create
			Course Desig	ned by: Dr. S. C	handramohan

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	S (3)	L(1)	M (2)	L(1)	S (3)	L (1)	L(1)	L(1)	L(1)
CO2	L(1)	L(1)	M (2)	L (1)	L(1)	S (3)	L (1)	L(1)	M (2)	L(1)
CO3	M (2)	M (2)	L(1)	L (1)	M (2)	S (3)	M (2)	M (2)	L(1)	M (2)
CO4	M (2)	M (2)	M (2)	L (1)	M (2)	S (3)	M (2)	M (2)	L(1)	M (2)
CO5	L (1)	L (1)		L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	M (2)
W.AV	1.8	1.6	1.2	1.2	1.6	3	1.6	1.6	1.4	1.6

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Course Outcome VS Programme Specific Outcomes

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	S (3)	M (2)	L(1)	L (1)
CO2	M (2)				
CO3	M (2)	M (2)	M (2)	L(1)	M (2)
CO4	M (2)	L(1)	M (2)	S (3)	M (2)
CO5	M (2)	L (1)	M (2)	S (3)	M (2)
W.AV	2	1.8	2	2	1.8

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

					<u>I - Se</u>	emester	·				
DSE	Cour	se Code	LOC	FISTIC	S AND	SUPP	LY CH	AIN	T	Credits:	Hours: 3
DSE	64	6503		\mathbf{M}	ANAG	EMEN	IT			2	Hours: 3
					U 1	nit -I					
Objecti										ment conc	
										troduction	
										cs environ	
Outcome	e 1	Students	s will be	able to	learn	introdu	ction of	logistic	es man	agement.	K2
					Uı	nit II					
Objecti	ive 2	Custom	ner servi	ce and	logisti	cs inte	face wi	ll be ta	ught 1	o students	5.
Custom	er Ser	vice Dim	nension I	Marketi	ing and	d logist	ics inter	face: V	Vhat is	costumer	service,
marketii	ng and	logistics i	interface	. Servic	e drive	n logis	tics syst	em, set	ting se	rvice prior	ities,
		standard.									_
Outcome	2		s will le		omer s	ervice	dimensi	on marl	keting	and	K4
		logistics	s interfac	e.							
		1				it III					
Objecti	ive 3	To Mea		nt of lo	gistics	cost ar	nd perfo	rmanc	e will	be introdu	iced to
Measur	ing L	ogistics (Cost and	l Perfo	rmanc	e: The	marketi	ng logi	stics i	nterface pr	inciples
of logist	tics co	stingcusto	omer pro	fitabilit	y analy	ysis, ma	rket and	the log	gistics	interface.	
Outcon	ne3	The stud	dents wi	ll under	stand t	he mea	suring lo	ogistics	cost a	nd	K4
		perform	nance					0			
		ı				nit IV					
Objecti			urse will								
			-	_						and impor	
		Supply ch	nain com	ponents	, drive	rs of su	pply cha	in man	ageme	nt achievin	g
strategic		G. 1 .	'11.1	41				1	1	1 '	170
Outcon	ne4		s will ha		opportu	inity to	learn at	out the	suppi	y chain	K2
		managei	ementcon	cepts.	**	77	1				
01: 4	• . =	G4 14	4 11 1	160		nit V			•1.	•	
Objecti		Student									
	_			•			_	_		nain foreca	_
		regate 11a Decision N	_	a suppr	y Chain	i. Mark	eung suj	ppry an	u Den	and. Mode	ers for
Suppry C Outcome			s learn p	lanning	demar	nd and a	supply c	hain			K5
Juicome		Students	.s icam p	iaiiiiiig	ucmai	ia ana i	suppry c	mann.			KS
Suggest	ed Rea	adings:									1
		011). Sup	oply Cha	in Logis	stics M	lanagen	nent: Mo	Graw			
		, (2000).		_		_					
Reguran	n G, R	angaraj N	N. (1999)). Logis	tics an	d Supp	ly Chain	Manag	gemen	t Cases and	l
Concept	s:Mac	millan Ind	dia Ltd.,	New D	elhi.						

Concepts: Macmillan India Ltd., New Delhi.

Sahay B. S (2003). Supply Chain Management for Global Competitiveness:

Macmillan India Ltd., New Delhi.

Alan Ruston, Phil Crouches, Peter Baker. (2014) The Handbook of Logistics and

DistributionManagement: kogan page India New Delhi.

D K Agrawal. (2007). Distribution and Logistics Management: A Strategic Marketing Approach: Macmillan publishers. India. elhi.

Online Resources:

Supply Chain Logistics Management, Donald J. Bowersox, David J. Closs, M. Bixby Cooper, McGraw-Hill, ISBN:9780071123068, 0071123067

https://www.google.co.in/books/edition/Supply_Chain_Logistics_Management/RmlaAAAAYAAJ?hl=en&gbp

<u>v=1&bsq=Bowersox.+(2011).+Supply+Chain+Logistics+Management:+Mcgraw+Hill.&dq=Bowersox.+(2011).</u>

+Supply+Chain+Logistics+Management:+Mcgraw+Hill.&printsec=frontcover

Logistical Management, Bowersox, McGraw-Hill Education (India) Pvt Limited, 2000, ISBN 0070435545,9780070435544

https://books.google.co.in/books?id=yfvCk-

Pd6vEC&newbks=0&hl=en&source=newbks fb&redir esc=y

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create		
Course designed by: Dr. S. CHANDRAMOHAN							

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	S (3)	L(1)	M (2)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO2	L(1)	L(1)	M (2)	L(1)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO3	M (2)	M (2)	L(1)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO4	M (2)	M (2)	M (2)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO5	L(1)	L(1)	1	L (1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
W.AV	1.8	1.6	1.2	1.2	1.6	3	1.6	2	1.6	1

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	S (3)	M (2)	L(1)	L(1)
CO2	M (2)				
CO3	M (2)	M (2)	M (2)	L(1)	M (2)
CO4	M (2)	L(1)	M (2)	S (3)	M (2)
CO5	M (2)	L(1)	M (2)	S (3)	M (2)
W.AV	2	1.8	2	2	1.8

		II - Semester			
Core	Course Code 646201	STRATEGIC MANAGEMENT	Т	Credits: 4	Hours: 4
	1	Unit -I			
		and the concepts of strategy			
planning, l	Process of st	trategic planning and strategic manager rategic planning, dimensions of strate			
managemen Outcome1	Students will	gain an understanding of strategic planning	ıg and	d	K2
	management	Unit II			
Objective 2	2 To Understa	and the process of business level strategic	es.		
Environme	ntal analysis:	environmental scanning, Industry analy	sis, (
Strategy for	-	e Based view, SWOT / PEST / ETOP matives, corporate strategies: grand strategies	-		-
Outcome 2		the strategic planning, dimensions of strate	gic d	ecisions.	K4
		Unit III			
Objective 3	To Students	will gain the knowledge of strategic plan	nning	g and mana	gement.
		acquiring core competencies, Porter's Operations, Finance, Hi			
Outcome3	Students will	understand and Identify the business leve	l strat	tegies.	K4
		Unit IV			
Objective 4	To Knowled scanning.	geable in Environmental analysis, Produ	uct ei	nvironment	tal
Screen, Sh	ell's Direction tion: Steps, stru Students w	noice: Portfolio Analysis-BCG Growth-Sl nal Policy Matrix, Hofer's Product A ctural issues, behavioral issues, strategic lea ll gain knowledge about comprehence	Marke adersl	et Matrix. hip.	Strategic
	analysis.	Unit V			
Objective 5	To Knowled	ge and concepts of strategic evaluation a	and c	ontrol are	nrovided
Strategic ev	aluation and c	control: Balanced Score Card approach, EVinking approach, Strategic control, operation	'A an	d MVA, ER	RP, Stake
Outcome 5	Students will	gain knowledge about the strategic evalua	tion a	and control	K5
Suggested Azhar, F Srinivasa Thomson Delhi V.S. Rai	Readings: X. (2008). Strate an, R. (2014). Son, Strickland and masamy and S.	egic management and business policy. Strategic management: the Indian context. I d Pearson, (2005), —Strategic Management Namakumari, —Strategic Planning-Formu	PHI I nt, Ta	Learning Pv	t. Ltd Hill, N.
		liaLtd., N. Delhi			
https://wwv nt/Strategic	v.cbsmohali.org v.bdu.ac.in/cde/ %2 0Managem	/course_material/fourth_semester/strategic/ SLM/MBA/MBA%20III%20Semester/Corent.pdf om/strategic-management-notes-pdf/#googl	e/Stra	ntegic%20M	
1111p3.// W W V	v.gccktomgnt.C	<u> </u>	<u>v1</u>	<u> </u>	
K1-Remem	1 T/A T	Inderstand K3-Apply K4-Analyze K5	- T	luate K6	-Create

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	S (3)	L(1)	M (2)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO2	L(1)	L(1)	M (2)	L(1)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO3	M (2)	M (2)	L(1)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO4	M (2)	M (2)	M (2)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO5	L(1)	L(1)	-	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
W.AV	1.8	1.6	1.2	1.2	1.6	3	1.6	2	1.6	1

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	S (3)	M (2)	L(1)	L(1)
CO2	M (2)				
CO3	M (2)	M (2)	M (2)	L(1)	M (2)
CO4	M (2)	L(1)	M (2)	S (3)	M (2)
CO5	M (2)	L(1)	M (2)	S (3)	M (2)
W.AV	2	1.8	2	2	1.8

S-Strong (3), M-Medium (2), L-Low (1)

_			Semester – II		
Core		e code: 202	RESEARCH METHODOLOGY T	Γ Credits: 4	Hours:
			Unit – I		
Obje	ctive 1	Be famil	iar with the types, processes, and designs of reso	search	
			gn of Research: Meaning importance, Types of Re		
			& Futuristic, Analytical & Synthetic, Descrip	*	
			tal, Qualitative & Quantitative and Case &		
			esearch problem, Identification, selection and for		
-		view of	literature, Research Gaps and Techniques, Hy	lypothesis, T	ypes and
	ulation. come 1	Studente	will learn the types, designs and process of Res	osooroh	K2
Out		Students		esear cii	K2
		Г	Unit – II		
			oout research sampling methods.		
		_	mpling: Meaning, Components and Use of Rese	_	
			ls of good sampling, Probability and non-p		
	is, Sam	pie size,	Factors affecting the size of the sample, Samplin	ling and non-	sampiing
errors.	ome 2	The stud	dents will be able to green the compling too	ahniguag an	J 1/1
Out	ome 2	research	dents will be able to grasp the sampling tech	ciniques and	u N4
		1 cscar cn	uesign		
			Unit _ III		
Ohie	ctive 3	Provide	Unit – III knowledge of sources of data		
			knowledge of <mark>sources</mark> of data.	servation: Tv	nes and
Sour	ces and	Collecti	knowledge of sources of data. on of Data: Primary and secondary data, obse		
Sourc	ces and iques,	Collecti Interview	knowledge of sources of data. on of Data: Primary and secondary data, observed: Types and conduct, Preparation for an in	interview, I	Effective
Source Techninterv	ces and iques, iew tec	Collecti Interview hniques,	knowledge of sources of data. on of Data: Primary and secondary data, obse	interview, E estionnaire: I	Effective Meaning
Source Techn interv and ty	ces and aiques, iew tech ypes, Fo	Collecti Interview hniques, ormat of	knowledge of sources of data. on of Data: Primary and secondary data, obsets: Types and conduct, Preparation for an in Schedule: Meaning, Essentials and kinds, Questions	interview, I estionnaire: Meaning, Imp	Effective Meaning
Source Techn interv and ty Metho	ces and aiques, iew tech ypes, Fo	Collecti Interview hniques, ormat of cale const	knowledge of sources of data. on of Data: Primary and secondary data, obsets: Types and conduct, Preparation for an in Schedule: Meaning, Essentials and kinds, Quest a good questionnaire, Scaling techniques: Meaning techniques.	interview, I estionnaire: Meaning, Imp ilot Study.	Effective Meaning
Source Techn interv and ty Metho	ces and iques, iew techypes, Foods of so	Collecti Interview hniques, ormat of cale const	knowledge of sources of data. on of Data: Primary and secondary data, obset: Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Quest a good questionnaire, Scaling techniques: Meruction- Validity and Reliability, Pre- testing, Pilot	interview, I estionnaire: Meaning, Imp ilot Study.	Effective Meaning oortance,
Source Techninterv and ty Metho	ces and niques, niew tech ypes, Foods of so come 3	Collecti Interview hniques, ormat of cale const Students	knowledge of sources of data. on of Data: Primary and secondary data, obset: Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questionnaire, Scaling techniques: Meanuction-Validity and Reliability, Pre- testing, Pilot can understand the source and collection of data	interview, I estionnaire: Meaning, Imp ilot Study.	Effective Meaning oortance,
Source Techrinterv and ty Metho Outce Obje	ces and iques, iew tech ypes, Fods of some 3	Collecti Interview hniques, ormat of cale const Students Promote	knowledge of sources of data. on of Data: Primary and secondary data, obsets: Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questa a good questionnaire, Scaling techniques: Meanuction- Validity and Reliability, Pre- testing, Piles can understand the source and collection of data.	interview, I estionnaire: Meaning, Imp ilot Study.	Effective Meaning bortance, K4
Source Techrinterv and ty Metho Outce Obje Proce	ces and aiques, iew tech ypes, Foods of some 3 cetive 4 ssing of antral Va	Collecti Interview hniques, ormat of cale const Students Promote Data: Edilue: Ariti	knowledge of sources of data. on of Data: Primary and secondary data, obsets: Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questa a good questionnaire, Scaling techniques: Meanuction- Validity and Reliability, Pre- testing, Piles can understand the source and collection of data. Unit – IV positive attitudes towards data processing. iting, Coding, Classification and Tabulation, Analystand the mean, Median and Mode, Measures of	interview, I estionnaire: Meaning, Impilot Study. lata ysis of Data, rf Dispersion:	Meaning fortance, K4 measures Range,
Source Techrinterv and ty Metho Outce Obje Proce of Cea	ces and aiques, iew tech ypes, Foods of some 3 ctive 4 ssing of aile Devi	Collecti Interview Iniques, ormat of cale const Students Promote Data: Edulue: Aritiation, Mo	knowledge of sources of data. on of Data: Primary and secondary data, obsets: Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questa a good questionnaire, Scaling techniques: Meanuction-Validity and Reliability, Pre- testing, Piles can understand the source and collection of data and Unit – IV positive attitudes towards data processing. Iting, Coding, Classification and Tabulation, Analyst metic mean, Median and Mode, Measures of ean Deviation and Standard Deviation, Measures	interview, I estionnaire: Meaning, Impilot Study. lata ysis of Data, rf Dispersion:	Meaning fortance, K4 measures Range,
Source Techninterv and the Method Outco	ces and aiques, iew tech ypes, Foods of some 3 cetive 4 ssing of aile Devidation ar	Collecti Interview hniques, ormat of cale const Students Promote Data: Edilue: Arith lation, Mond Regres	knowledge of sources of data. on of Data: Primary and secondary data, obsets: Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questa a good questionnaire, Scaling techniques: Meanuction-Validity and Reliability, Pre- testing, Piles can understand the source and collection of data. Unit – IV positive attitudes towards data processing. iting, Coding, Classification and Tabulation, Analyst and Deviation and Standard Deviation, Measures of ean Deviation and Standard Deviation, Measures sion Analysis,	interview, Festionnaire: Meaning, Implied Study. lata ysis of Data, ref Dispersion: ures of Relate	Meaning fortance, K4 measures Range,
Obje Proce of Cer Quart Corre Associ	ces and aiques, iew tech ypes, Foods of some 3 cetive 4 ssing of aile Devilation artistion of the second se	Collecti Interview hniques, ormat of cale const Students Promote Data: Ed due: Arith ation, Me d Regres f Attribut	con of Data: Primary and secondary data, obsets: Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questa a good questionnaire, Scaling techniques: Meanuction- Validity and Reliability, Pre- testing, Piles can understand the source and collection of data and Unit – IV positive attitudes towards data processing. Iting, Coding, Classification and Tabulation, Analyst and Deviation and Standard Deviation, Measures of ean Deviation and Standard Deviation, Measures in Analysis, es. Multivariate analysis: Factor and cluster analysis.	interview, I estionnaire: Meaning, Impilot Study. lata ysis of Data, r f Dispersion: ures of Relatelysis.	K4 measures Range, cionship:
Obje Proce of Cer Quart Corre Associ	ces and aiques, iew tech ypes, Foods of some 3 cetive 4 ssing of a lation are aiation of the come 4 cetive 4	Collecti Interview Intervi	con of Data: Primary and secondary data, obsets: Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questa a good questionnaire, Scaling techniques: Meaning-Validity and Reliability, Pre- testing, Piles can understand the source and collection of data understand the source and collection of data understand the source and Tabulation, Analystands and Mode, Measures of the earn Deviation and Standard Deviation, Measures in Deviation and Standard Deviation, Measures of the earn Deviation and Standard Deviation, Measures of the earn Learn the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing	interview, I estionnaire: Meaning, Impilot Study. lata ysis of Data, r f Dispersion: ures of Relatelysis.	K4 measures Range, cionship:
Obje Proce of Ce Quart Corre Assoc	ces and aiques, iew tech ypes, Foods of some 3 ctive 4 ssing of a lation or interest of the come 4 come 4	Collecti Interview hniques, ormat of cale const Students Promote Data: Edilue: Ariti ation, Mond Regres f Attribut The stud accuracy	con of Data: Primary and secondary data, obsets: Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questa a good questionnaire, Scaling techniques: Meanuction- Validity and Reliability, Pre- testing, Piles can understand the source and collection of data understand the source and collection of data understand the source and Tabulation, Analyst and Property of the Colonian and Mode, Measures of the Esting and Standard Deviation, Measures of the Esting and Standard Deviation and Standard Deviation, Measures of the Esting and Standard Deviation	interview, I estionnaire: Meaning, Implict Study. lata ysis of Data, ref Dispersion: ares of Related lysis. hproves data	K4 measures Range, cionship:
Obje Proce of Ce Quart Corre Assoc	ces and aiques, iew tech ypes, Foods of some 3 ctive 4 ssing of a lation or interest of the come 4 come 4	Collecti Interview hniques, ormat of cale const Students Promote Data: Edilue: Ariti ation, Mond Regres f Attribut The stud accuracy	con of Data: Primary and secondary data, obsets: Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questa a good questionnaire, Scaling techniques: Meaning-Validity and Reliability, Pre- testing, Piles can understand the source and collection of data understand the source and collection of data understand the source and Tabulation, Analystands and Mode, Measures of the earn Deviation and Standard Deviation, Measures in Deviation and Standard Deviation, Measures of the earn Deviation and Standard Deviation, Measures of the earn Learn the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing of data which impents will be a source of the processing	interview, I estionnaire: Meaning, Implict Study. lata ysis of Data, ref Dispersion: ares of Related lysis. hproves data	K4 measures Range, cionship:
Obje	ces and aiques, iew tech ypes, Foods of so tome 3 ctive 4 ssing of aile Deviation are aiation of tome 4 ctive 5 cthesis t	Collecti Interview hniques, ormat of cale const Students Promote Data: Editation, Mend Regres f Attribute The stud accuracy Students writing. esting an	con of Data: Primary and secondary data, obsets: Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questa a good questionnaire, Scaling techniques: Meaning-Validity and Reliability, Pre-testing, Piles can understand the source and collection of data understand the source and collection of data understand the source and Tabulation, Analystand Coding, Classification and Tabulation, Analystand Deviation and Standard Deviation, Measures of ean Deviation and Standard Deviation, Measures in Analysis, es. Multivariate analysis: Factor and cluster analysents will learn the processing of data which important and efficiency will gain a better understanding of hypothesis deporting: Parametric tests: Testing Interpretated	interview, I estionnaire: Meaning, Implict Study. lata ysis of Data, ref Dispersion: ares of Related lysis. hproves data s testing and ation Report	Meaning fortance, K4 measures Range, cionship: K2 report Writing:
Obje Obje Obje Obje Obje Obje Obje Obje	ces and aiques, iew tech ypes, Foods of some 3 cetive 4 cetive 4 cetive 1 cetive 4 cetive 5 c	Collecti Interview Intervi	con of Data: Primary and secondary data, observed Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questa a good questionnaire, Scaling techniques: Meaning-Validity and Reliability, Pre-testing, Piles can understand the source and collection of data understand the source and collection of data understand the source and Tabulation, Analystand Tabulation, Measures of the Esting and Standard Deviation, Measures of the Esting and Standard Deviation, Measures of the Esting and Esting a	interview, I estionnaire: Meaning, Impilot Study. lata ysis of Data, r f Dispersion: ares of Relatates. hyproves data s testing and ation Report in drafting	K4 measures Range, tionship: K2 report Writing: reports,
Object Ob	ces and address to the sis to the	Collecti Interview hniques, ormat of cale const Students Promote Data: Eddue: Arith dation, Mond Regres f Attribute The stud accuracy Students writing. esting an es and of good re	con of Data: Primary and secondary data, observed Types and conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questa a good questionnaire, Scaling techniques: Meaning, Validity and Reliability, Pre- testing, Pilot can understand the source and collection of data understand the source and collection of data understand the source and collection of data understand the source and Tabulation, Analystand Editing, Coding, Classification and Tabulation, Analystand Deviation and Standard Deviation, Measures of ean Deviation and Standard Deviation, Measures in Analysis, es. Multivariate analysis: Factor and cluster analysents will learn the processing of data which important and efficiency will gain a better understanding of hypothesis deport writing. Parametric tests: Testing Interpretation of research reports, Steps involved port writing, Lay-out and Features of a Good	interview, I estionnaire: Meaning, Implict Study. lata ysis of Data, ref Dispersion: ares of Related by the steating and ation Report in drafting od Research	K4 measures Range, cionship: K2 report Writing: reports, Report,
Obje	ces and aiques, iew tech ypes, Foods of so tome 3 ctive 4 ssing of a lation or introduced at the sistem of the si	Collecti Interview hniques, ormat of cale const Students Promote Data: Edilue: Aritication, Mond Regres f Attribute The stud accuracy Students writing. esting an oes and of good re Quality.	con of Data: Primary and secondary data, observed the secondary data with the secondary data data with the source and collection of data with the secondary data processing. It is positive attitudes towards data processing. I	interview, I estionnaire: Meaning, Implict Study. lata ysis of Data, ref Dispersion: ares of Related by the steating and ation Report in drafting od Research	K4 measures Range, tionship: K2 report Writing: reports,
Obje	ces and aiques, iew tech ypes, Foods of some 3 cetive 4 cetive 4 cetive 5 c	Collecti Interview hniques, ormat of cale const Students Promote Data: Edilue: Ariti ation, Mend Regres f Attribut The stud accuracy Students writing. esting an oes and of good re Quality anagement	con of Data: Primary and secondary data, obseted the conduct, Preparation for an inschedule: Meaning, Essentials and kinds, Questa a good questionnaire, Scaling techniques: Meaning-Validity and Reliability, Pre- testing, Pileta can understand the source and collection of data. Unit – IV positive attitudes towards data processing. Iting, Coding, Classification and Tabulation, Analysta and Deviation and Standard Deviation, Measures of ean Deviation and Standard Deviation, Measures in Analysis, es. Multivariate analysis: Factor and cluster analysents will learn the processing of data which important and efficiency will gain a better understanding of hypothesis dreporting: Parametric tests: Testing Interpretation of research reports, Steps involved port writing, Lay-out and Features of a Good, Language flow, Data Support, Diagram and, Clarity and Brevity of expressions,	interview, I estionnaire: Meaning, Implict Study. lata ysis of Data, ref Dispersion: ares of Related by the steating and ation Report in drafting od Research	K4 measures Range, cionship: K2 report Writing: reports, Report,
Obje	ces and aiques, iew tech ypes, Foods of some 3 cetive 4 cetive 4 cetive 5 c	Collecti Interview hniques, ormat of cale const Students Promote Data: Eddue: Arith dation, Mond Regres f Attribute The stud accuracy Students writing. esting an oes and of good re Quality anagement puts for S	con of Data: Primary and secondary data, observed the secondary data with the secondary data data with the source and collection of data with the secondary data processing. It is positive attitudes towards data processing. I	interview, I estionnaire: Meaning, Implict Study. Iata ysis of Data, ref Dispersion: ares of Related Iysis. Inproves data s testing and ation Report in drafting od Research meaning Elucion	K4 measures Range, cionship: K2 report Writing: reports, Report,

Suggested Readings

Bhandarkar, P.L. & Wilkinson, T.S. (2010). Methods and Techniques of Social Research. Mumbai: Himalaya Publishing House.

Ghosh, B.N. (2007). Scientific Method and Social Research, New Delhi: Sterling Publishers. Gupta,

S.P. (2012). Statistical Methods, New Delhi: S. Chands & Sons.

Kent, R. (2001). Data Construction and Data Analysis for Survey Research.

MacMillan. London. Kishnaswamy, O.R. and Ranganatham, M. (2011).

Methodology of Research in Social Sciences. Mumbai: Himalaya Publishing House.

Nagar, A.L. & Das, R.K. (2006). Basic Statistics (2nded.). New Delhi: Oxford University Press. Agarwal,

Y.P. (2012). Statistical Methods: Concepts, Applications and Computations. New Delhi: Sterling Publishers.

Grewal, P.S. (1990). Methods of Statistical Analysis. New Delhi: Sterling Publishers. Gujarathi,

D. (2017). Basic Econometrics. New Delhi: Tata McGraw Hill.

Gupta, S.P. (2014). Statistical Methods. New Delhi: S. Chand & Company.

Gupta, C.B. & Gupta, V. (2009). An Introduction to Statistical Methods. New Delhi:

Vikas Publishers. Gupta, S.C. (2014). Fundamentals of Statistics. Mumbai: Himalaya Publishing House

Online Resources

Research Methodology- Methods and Techniques, C. R. Kothari, New Age

International (P) Limited, ISBN:9788122415223, 8122415229

https://www.google.co.in/books/edition/Research_Methodology/hZ9wSHysQDYC?hl=en&gbpv=1 &dq=resear ch+methodology&printsec=frontcover

Research Methodology: a Hand Book, Misra R P, Concept Publishing Company,

ISBN:9788170222675,8170<mark>2226</mark>72

https://www.google.co.in/books/edition/Research_Methodology_a_Hand_Book/E6DkNGAECZk_C?hl=en&gbpv

=1&dq=research+methodology&printsec=frontcover

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create
			Course Desi	gned by: Dr. S. O	Chandramohan

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	L (1)	M (2)	S (3)	M (2)	S (3)	M (2)	L(1)	L (1)	L(1)
CO2	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)	S (3)	M (2)	M (2)	L(1)
CO3	M (2)	L (1)	S (3)	L (1)	M (2)	M (2)	L (1)	L(1)	L (1)	S (3)
CO4	M (2)	M (2)	M (2)	S (3)	L(1)	L(1)	M (2)	L(1)	L(1)	M (2)
CO5	L(1)	L (1)	L(1)	M (2)	L(1)	S (3)	L (1)	S (3)	M (2)	S (3)
W.AV	1.8	1.6	1.8	2.2	1.4	2	1.8	1.6	1.4	2

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	M (2)	L (1)	M (2)	M (2)
CO2	L (1)	S (3)	M (2)	L (1)	S (3)
CO3	M (2)	L (1)	S (3)	M (2)	M (2)
CO4	M (2)	L (1)	S (3)	S (3)	L(1)
CO5	M (2)	S (3)	L (1)	L (1)	S (3)
W.AV	2	2	2	1.8	2.2

S –Strong (3), M-Medium (2), L- Low (1)



				II - Semester				
Core	Course C 64620	1 1-11	JMAN RE	ESOURCE MANAGE	EMENT	Т	Credits:	4 Hours: 4
		1		Unit -I				•
Objecti	ve 1 To ur	derstand 1	the conce	pt of Human Resour	ce Mana	gem	ent	
				ement Definition: Ob				
				in organisations, Pr	resent da	y C	hallenges	of HRM,
	one or two							T
Outcom	e1 Stude	nts will und	lerstand th	e concept of Human R	esource r	nana	igement.	K2
				Unit II				
				of employee selection				
				Problems, Placement				
				Operatives, Supervis				Promotion,
				etention, Relevant one				TZA
Outcom	selecti		————	nprehend the key objec	uives of e	шрю		K4
014	a m 1			Unit III				
				n resource planning		• ,•	T 1	· C· · ·
				Policy, Job analysis—J				
_		_		nd Second-line lead	_			
				es of recruitment, Rele		or tv	vo case su	
Outcom	es stude	nts will lear	in the Hun	nan resource planning.				K4
				Unit IV				
				tanding of employee				G. C
				alary Administration,				
case stud	lies.	100	P.	s, HR Auditing and A				_
Outcom	e 4 Stude	nts will und	lerstand th	e different types of em	ployee co	omp	ensation.	K2
011 4	# I m	• • •	100	Unit V				
Employe	ee Maintena	ance and I	ntegration	andi<mark>ng of employee r</mark> n: Welfare and Safety ssal, Workers Particip	Provision	ns,	Accident p	prevention,
				nt one or two case stud			anagomon	, 110111011
Outcom				ut employee maintena		ntegi	ation.	K5
	ted Reading			1 7				
Sugges		PS:						
		_	Managemo	ent, Cengage Learning	g EMEA,	201	1	
Alan Pı	rice, Human	Resource 1	_	ent, Cengage Learning Steve Werner, Manag				
Alan Pi By Sus	rice, Human an Jackson,	Resource l Randall Sc	_	ent, Cengage Learning Steve Werner, Manag				
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CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	S (3)	L(1)	M (2)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO2	L(1)	L(1)	M (2)	L(1)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO3	M (2)	M (2)	L(1)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO4	M (2)	M (2)	M (2)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO5	L(1)	L(1)	1	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
W.AV	1.8	1.6	1.2	1.2	1.6	3	1.6	2	1.6	1

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	S (3)	M (2)	L(1)	L(1)
CO2	M (2)				
CO3	M (2)	M (2)	M (2)	L(1)	M (2)
CO4	M (2)	L(1)	M (2)	S (3)	M (2)
CO5	M (2)	L(1)	M (2)	S (3)	M (2)
W.AV	2	1.8	2	2	1.8

S –**Strong** (3), **M**-**Medium** (2), **L**-**L**ow (1)

			II - Semester			
~	Cour	se Code	FINANCE MANAGEMENT	T	G 111	
Core		6204			Credits: 4	Hours: 4
	1		Unit –I	1		I
Objecti	ive 1	To Ide	ntify and understand the managerial and oper	atio	nal functio	ns of
5 .5 3 - 5			almanagement.			
Function	s and		: Managerial and Operative functions, Inv	estn	ent. Fina	ncing and
Income			Goals of Financial Management, Benefit M			
			k return trade off, Indian Financial System, F		_	
studies.	U	,	,			
Outcome	1	Learner	rs understand the goals of financial management	and	evaluate	K2
			- returnframework for financial decision making.			
			Unit II			- I
Objecti	ive 2	To Lea	rning about various aspects of financial mana	gem	ent.	
U			ong term financing sources and instruments,	_		Debentures
	_		& Term Loans, Foreign equity and debt sec			
			ion, Financing, Sources and approaches, Relevan			
Outcome			s understand the various functions of finance.			K4
			Unit III			
Objecti	ive 3	To Pla	nning your capital structure is important.			
			ning: Cost of capital: Equity, Debt, retained ea	rnin	s. Weight	ed average
_		_	tructure theories, Net income, Net operating inco		_	_
	-	-	pes and significance, Relevant one or two case stu			11441110114
Outcome			rs analyze the capital structure, cost of capital an			K4
-			Unit IV			
Objecti		To Kn		la		
			owledgeable about capital investment proposal oposals: Nature and types, Evaluation techniques,		neals naried	A D D
_			oning, Relevant one or two case studies.	Payı	back period	, AKK,
Outcor			es critically evaluate the capital investment techn	iano	and accet	K 2
Outcor	116 4	pricing		ique	s and asset	K2
		pricing	Unit V			
Objecti	5	To odu	cate how dividend decisions are made.			
			ividend policies: Factors affecting dividend dec	icior	Dividen	d theories
			ter and MM Theories, Ploughing back of			
· ·			ernization.	Carii	ings 101	capansion
Outcome			s understand the Dividend policies and theories.			K5
			is understand the Dividend ponetes and theories.			IXJ
Suggest		_	nd of Einensial Management 50 Tota McCrow I	T:11 T	7dysation	
			nd of Financial Management 5e. Tata McGraw-F P. K. (2018). Financial Management: Text, Proble			Q ₀
McGraw				21115	and Cases,	oc.
			rinancial Management: Comprehensive text Boo	ok w	ith case stu	idies
Taxman		. (2007).	Timanetar Management. Comprehensive text Boo	JK W	in case su	iuics.
		(1999) I	Financial Management-Vikas Publishing House I	D _{37f}]	td	
Online			maneral francement vikus i ubitsiinig iibuse i	v t.	Lu.	
			otel.ac.in/noc21_mg06/preview			
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			rg/courses?query=financial%20management			
						. ~
K1-Rem	ember	K	Z2-Understand K3-Apply K4-Analyze K5-			-Create
			Ćourse designed by: Dr.	<u>. S.</u>	<u>CHANDR</u>	<u>AMOHA</u> l

		64	16204 F	INANO	CE MAI	NAGE	MENT			
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	S (3)	L(1)	M (2)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO2	L(1)	L(1)	M (2)	L(1)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO3	M (2)	M (2)	L(1)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO4	M (2)	M (2)	M (2)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO5	L(1)	L(1)	ı	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
W.AV	1.8	1.6	1.2	1.2	1.6	3	1.6	2	1.6	1

S-Strong (3), M-Medium (2), L-Low (1)

		4 Men	560)60 A	_								
	646204 FINANCE MANAGEMENT											
CO	PSO1	PSO2	PSO3	PSO4	PSO5							
CO1	S (3)	S (3)	M (2)	L(1)	L(1)							
CO2	M (2)	M (2)	M (2)	M (2)	M (2)							
CO3	M (2)	M (2)	M (2)	L(1)	M (2)							
CO4	M (2)	L(1)	M (2)	S (3)	M (2)							
CO5	M (2)	L(1)	M (2)	S (3)	M (2)							
W.AV	2	1.8	2	2	1.8							

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

				Semester -II			
Core		e Code: 205	FIELDWO	RK AND PRACTICAL -I	P	Credits: 3	Hours: 6
				Unit –I			
Objec	tive 1	To Uno	derstand the bas	sic science of Major Natural d	lisaste	ers	
Basic	Science	e of M	lajor Natural di	sasters, Geological Disasters,	Hyd	lrological	Disasters,
Meteor	ologica		ers, Biological Di				
Outcor	me1			n ideas (or) concept Question			K2
		_		lain, Express, Illustrate, Outlin	ne, R	elate,	
		Show, S	Summaries, Trans				
Ohioo	tivo 2	To loor	m and nuactica	Unit II	d d	uning maga	
Objec	tive 2		-	Major types of rescue knots u to gain firsthand knowledge	iseu u	uring resc	cue
Rescue	Knot			block knot, Backup knot, Di	istel l	nitch Row	line knot
				ot, Spanish bowline	13001 1	inten, bow	Time Knot,
Outcor				ideas (or) concept Questions: c	lassify	v. compare	. K4
			-	ss, Illustrate, Outline, Relate, Sh			*
		Transla		THE PROPERTY.	ŕ		
			466	Unit III			
Objec	tive 3	To lear	n and practice	of Major Emergency Rescue	Techn	iques	
_	-			person methods - Ankle pull			
				ue method, One person lift re			
				hods –Four handed seat, Chair c			
Outco	me3			lain ideas (or) concept Que		•	
		-	ries, Translate.	ain, Express, Illustrate, Outline	e, Kei	iaie, Snow	,
		Sullilla	iries, Translate.	Unit IV			
Ohiec	tive 4	To und	lerstand First ai	d for various types of injuries	and	ailments	
				Epilepsy- Unconsciousness-Ele			on- Snake
		es- Hear					
Outcor	me4 (an the	student use infor	mation in a new way. Question:			K2
Outcol				scover, Identify, Interview,		v Predict	
		Practice,	-	seever, radianty, miles view,	1110 411	j, Trearet	"
The St				er will evaluate the student perfo	rman	ce for 25 m	arks and
				s external member of the evaluation			
		•		cal examination. It will be eval			
			suggested by the			J	
an i	1. 4	e e	al a Company of the	1 211 1			
	_		rks for Practica aluation	1 WIII be: 25			
			aluation aluation	25 75			
Total N		mici Ev	aruation	100			
	emembe	er e	K2-Understand	K3-Apply K4-Analyze K5	5-Eval	luato VA	6-Create
17 1 - 17 1						uuie i ni	-Cicuic

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	L(1)	S(3)	M(2)	M(2)	L(1)	M(2)	M(2)	S(3)	M(2)
CO2	M(2)	M(2)	L(1)	S(3)	M(2)	M(2)	M(2)	L(1)	M(2)	M(2)
CO3	M(2)	M(2)	M(2)	L(1)	M(2)	L(1)	M(2)	M(2)	M(2)	L(1)
CO4	M(2)	M(2)	M(2)	L(1)	L(1)	L(1)	M(2)	L(1)	L(1)	L(1)
CO5	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	L(1)	L(1)	M(2)
W.Avg	2.2	1.8	2	1.8	1.8	1.2	2	1.4	1.8	1.6

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M(2)	S(3)	L(1)	M(2)	S(3)
CO2	S(3)	M(2)	M(2)	M(2)	M(2)
CO3	S(3)	M(2)	L(1)	M(2)	L(1)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)
CO5	M(2)	M(2)	M(2)	M(2)	L(1)
W.Avg	2.4	2.2	1.4	1.8	1.8

S—**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

			Semester – I						
DSE		e code: 504	RELIEF AND RESPONSE	Т	Credits: 2	Hours:			
			Unit – I						
Object	tive 1	Introd	uce relief distribution						
		-	relief distribution, Types of Programmes and			•			
_			Relief Administration, Significance of Search	h and	d Rescue	(SAR),			
			cs and Methods, Behavioral Requirements.						
Outco	me 1	Studen	ts will learn disaster relief and response			K2			
Unit – II									
Object			p a resource analysis and mobilization plan						
		•	d mobilization: Requirements in Shelter Provi		-				
Warehousing and Stockpiling, Types of Resources, New Directions for Resource Mobilization:									
Local Sources, Corporate Social Responsibility: An Emerging Avenue, Building Resilience									
Through Risk Sharing and Transfer, Civil Society Initiative for Relief, Resource Analysis.									
Outco	me 2	Studen	ts will analyze the resources and mobilize them			K4			
			Unit – III						
Object	tive 3	To gai	n a better understanding of disaster manageme	nt					
		_	Role and Functions, Incident Command System		_				
			tills and Techniques, Key Lessons for Disaste		nager, Es	sential			
			ssessment, Types of Damages, Damage Reports,						
Outco	me 3	Studen	ts will study how disaster managers work			K4			
			Unit – IV						
Object	tive 4	Find o	ut what the f <mark>ir</mark> st re <mark>sponse is</mark> to r <mark>eli</mark> ef and respor	ise					
			nal and conce <mark>rn</mark> ed Response, who is a First Response						
			First Respon <mark>de</mark> rs, Role of Gove <mark>r</mark> nment in Fir						
			ster <mark>Ma</mark> nagem <mark>e</mark> nt. Concept of Relief- policy			ery and			
manage	ement. S		ls <mark>and Best Practices</mark> in Reli <mark>ef op</mark> erations-SPHEF						
Outco			ts acquire knowled <mark>g</mark> e about th <mark>e f</mark> irst response to reli		_				
Object			ermine the relief needs during a disaster and plan f						
		_	t Strategies: Changing Complexion of Disaster		_				
_		_	: An Overview, The Path Ahead, Response Ma	_					
	_		n, Information management, Resource managemen	t, Con	itingency j	planning,			
Rucines	c Contir	mita Dla	ing.						

Business Continuity Plans.

Students will learn strategies for disaster management. Outcome 5

K5

Suggested Readings

Aeberhard, P. (2008). "Expectations are changing for Disaster relief", Non-Profit and Voluntary Sector Quarterly, Supplement to Vol. 37 (1): 17-24S.

Bollin, C. &Khanna, S. (2007). "Review of Post Disaster Recovery Need Assessment Methodologies", Report commissioned by UNDP.

Bowersox, J.D and Closs, D.J (2008). Logistical Management: The integrated supply chain process, New Delhi: Tata McGraw Hill.

Chopra, S., Meindl, P. and Kalra, D.V. (2007). Supply Chain Management: Strategy, Planning and Operation,

Harvey, P.A. and Reed, R.A. (2005). "Planning environmental sanitation programmes inemergencies", Disasters, Vol. 29(2): 129-151

Pearson (Dorling Kindersley (India) Pvt Ltd).

Logistics Operations Guide (Log), (2006). United Nations Joint Logistics Centre (UNJLC)

Paul, B.K. (2006). "Disaster Relief Efforts: an update", Progress in Development Studies, Vol. 6(3): 211-223.

Sphere. (2011). "Humanitarian Charter and Minimum Standards in Humanitarian Response",

Handbook by The Sphere Project.

Sahay, B.S., Cavale, Vasant and Mohan, Ramneesh (2003). The Indian Supply Chain Architecture, Supply Chain Management: An International Journal, Vol. 8 (2), pp. 93-106.

Online Resources:

Supply Chain Management Strategy, Planning, and Operation, Sunil Chopra, Peter Meindl, PearsonPrentice Hall, ISBN:9780131730427, 0131730428

https://www.google.co.in/books/edition/Supply_Chain_Management/MOftAAAAMAAJ?hl=en&gbpv=0&bsq=Chopra,%20S.,%20Meindl,%20P.%20and%20Kalra,%20D.V.%20(2007).%20Supply%20Chain%20Management:%20Strategy,%20Planning%20and%20Operation,

https://journals.sagepub.com/doi/10.1191/1464993406ps139oa

 $\underline{https://reliefweb.int/report/world/sphere-handbook-humanitarian-charter-and-minimum-standards-humanitarian-response-}$

<u>2018?gad_source=1&gclid=CjwKCAiAivGuBhBEEiwAWiFmYauyKAL7snSH4N95oDN0ozTY8</u>khFX

-lRQoyoQrMsntY5WEQg7XapzxoCRV0QAvD_BwE

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create				
			Course Designed by: Dr. S. Chandrar						

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	L(1)	L(1)	L(1)	S (3)	M (2)	S (3)	M (2)	S (3)	L(1)	L(1)
CO2	M (2)	M (2)	L(1)	L (1)	L (1)	L (1)	S (3)	L(1)	M (2)	M (2)
CO3	L(1)	L(1)	S (3)	M (2)	M (2)	M (2)	L(1)	M (2)	L(1)	L(1)
CO4	L(1)	L(1)	M (2)	M (2)	L (1)	L (1)	M (2)	L(1)	L(1)	L(1)
CO5	S (3)	M (2)	S (3)	L (1)	L (1)	S (3)	L (1)	S (3)	M (2)	M (2)
W.AV	1.6	1.4	2	1.8	1.4	2	1.8	2	1.4	1.4

S-Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M (2)	M (2)	L(1)	L(1)	M (2)
CO2	L(1)	S (3)	M (2)	M (2)	L (1)
CO3	M (2)	M (2)	S (3)	S (3)	M (2)
CO4	S (3)	L (1)	S (3)	S (3)	S (3)
CO5	L(1)	S (3)	L(1)	L(1)	L (1)
W.AV	1.8	2.2	2	2	1.8

				Semeste	er – II				
DSE		se code: 6505	GLO	BAL INITI MANAGE	ATIVES FOR MENT	2	T	Credits: 2	Hours:
				Unit	<u>- I</u>				
Object					of the curre				
			_		olution of di				_
Global D	Disaster	s: Conti	nental disaste	er profiling	. Country-wi	se disast	er pro	ofiling wi	th specia
focus on	Asian o	countries	•						
Outco	me 1	Students	will develop	an understan	ding of global	disaster s	scenar	ios	K2
o di cos		Statemen	· · · · · · · · · · · · · · · · · · ·	Unit		015005001	, , , , , , , , , , , , , , , , , , , ,		
Object	ive 2	Learn a	bout disaste		ent initiatives	around	the w	orld	
					IDNDR: Form				Outcomes
				_	yogo Framew				
for Action				ateomes. 11	, ogo i rume w	ork (III 1	1). 11	anie work,	, i mommo
Outcom				hal Disaster	Management	Initiative	c c		K4
Outcol	IIIC 2	Stadents	will learn Giv	Unit -		minumve	υ•		127
Object	ive 3	Additio	nally this co		o increase stu	dents' 111	nderst	anding of	disaster
Object	1103				nglobal and n		iucisi	anding of	uisastti
Conten	nnorar				work and Fu		nda.	Sendai Fi	amework
					rities for Act				
Framew		CS and	Suraing 11m	cipies. Tito		ion in b	ciidai	1 Turrie WO	ik. Bendu
Outco		The stud	lents will gai	n an unders	tanding of the	e Contem	norar	v Disaster	K4
Outco			_		ture implication		poru.	y Disaster	11.
		rranagei	Henri Tunie We	Unit -		711 5			
Object	ive 4	Prenare	a future ag		am <mark>ew</mark> ork for	disaster	mana	gement	
					f Stakeholde				ration and
					king: Role of				
	_		_		gency respon			_	orees and
Outco					igencies for d				K2
Outcol	iiic 4	plan fort		to Create t	igeneres for a	isaster in	unusc	mont and	112
Object	ive 5		nore about i	nternationa	agencies				
					OM, UNDP, ()HCHR	IINH	R IINIC	FF WFP
		_			mental agencie		OTVIIV	cit, Offic	LI, WII
Outcom					ational agenci				K5
	sted Re		wiii unacista	na the mtern	ational agener	<u> </u>			113
00			Expectations a	are changing	for Disaster re	elief" No	n-Prof	it and Vol	untary
		` /	ement to Vol.			, 110		ir una 101	tarrear y
					Disaster Recov	erv Need	Asses	sment	
			commissione)			
	_	· 1		•	Ianagement: T	he integra	ated su	ipply chair	n process.
		ta McGra		C	U	C		11 2	1 /
				7. (2007). Su	pply Chain M	anagemer	nt: Stra	ategy, Plar	ning and
Operat		,	,			C		03,	U
				, ,	11.				
Harvey		nd Reed,	R.A. (2005).		vironmental s	anitation	progra	ammes in	
•	encies",	nd Reed,	R.A. (2005).			anitation	progra	ammes in	
emerge	-	nd Reed, 29(2): 12	, ,			anitation	progra	ammes in	
emerge Disaste	ers, Vol.	29(2): 12	, ,	"Planning ei		anitation	progra	ammes in	
emerge Disaste Pearson Logisti	ers, Vol. n (Dorli lcs Oper	29(2): 12 ng Kinde ations Gu	29-151 rsley (India) I iide (Log), (20	"Planning er Pvt Ltd). 006). United	nvironmental s Nations Joint	Logistics	Centr	e (UNJLC	
emerge Disaste Pearson Logisti	ers, Vol. n (Dorli lcs Oper	29(2): 12 ng Kinde ations Gu	29-151 rsley (India) I iide (Log), (20	"Planning er Pvt Ltd). 006). United	nvironmental s	Logistics	Centr	e (UNJLC	
emerge Disaste Pearson Logisti Paul, B 6(3): 2	ers, Vol. n (Dorli cs Oper 3.K. (20 11-223.	29(2): 12 ng Kinde rations Gu 06). "Disa	29-151 rsley (India) I iide (Log), (20 aster Relief Et	"Planning en Pvt Ltd). 006). United fforts: an upp	nvironmental s Nations Joint	Logistics s in Devel	Centr	e (UNJLC nt Studies,	Vol.

Handbook by The Sphere Project.

Sahay, B.S., Cavale, Vasant and Mohan, Ramneesh (2003). The Indian Supply ChainArchitecture, Supply Chain Management: An International Journal, Vol. 8 (2), pp. 93-106.

Online Resources:

https://www.preventionweb.net/files/61901_postdistasterrecoveryneedsassessmen.pdf https://books.google.co.in/books/about/Logistical_Management.html?id=6nQeAQAAIAAJ&redir_esc=y

 $\underline{https://mu.ac.in/wp-content/uploads/2021/02/Logistics-and-Supply-Chain-Management-Sunil-Chopra-1.pdf}$

https://www.scribd.com/document/499680527/Unjlc-Log-Guide-1

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create			
Course Designed by: Dr. S. Chandramoh								

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	L(1)	M (2)	S (3)	M (2)	S (3)	M (2)	L(1)	L(1)	L(1)
CO2	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)	S (3)	M (2)	M (2)	L(1)
CO3	M (2)	L(1)	S (3)	L (1)	M (2)	M (2)	L(1)	L(1)	L(1)	S (3)
CO4	M (2)	M (2)	M (2)	S (3)	L(1)	L(1)	M (2)	L(1)	L(1)	M (2)
CO5	L(1)	L(1)	L(1)	M (2)	L(1)	S (3)	L(1)	S (3)	M (2)	S (3)
W.AV	1.8	1.6	1.8	2.2	1.4	2	1.8	1.6	1.4	2

S –Strong (3), M-Medium (2), L-Low

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	M (2)	L (1)	M (2)	M (2)
CO2	L (1)	S (3)	M (2)	L(1)	S (3)
CO3	M (2)	L(1)	S (3)	M (2)	M (2)
CO4	M (2)	L(1)	S (3)	S (3)	L(1)
CO5	M (2)	S (3)	L (1)	L(1)	S (3)
W.AV	2	2	2	1.8	2.2

		II - Semester			
DSE	Course Code 646506	NGO MANAGEMENT AND ADMINISTRATION	Т	Credits:	Hours: 3
	1	Unit -I	<u>l</u>		ı
Objective	1 To enable th	e students to understand basic concept of	NG	O manage	ement.
		pe and role of NGOs, activities taken by			
		ce as required, Advantages and disadvanta			
essentials.	1,	σ	,		
Outcome 1	Students will	develop an understanding of NGO concepts			K2
		Unit II			
Objective	2 To provide l	knowledge about the NGO planning and d	lesig	n.	
		: How to get an NGO started, registration an			of NGOs
_	9	cial service organization, Hierarchy of NGO		_	
<i>U</i> ,	0 0	nent for NGO, administration of NGOs; me			_
		eting, network expansion, implementation			
	valuation of proj			r-s	<i>6</i>
		critically examine the NGO planning and des	sign.		K4
		Unit III	8		
Objective	3 To gain a be	etter understanding of NGO financial adm	inist	ration an	d
o agrata i	managemen	A CONTRACT C			
NGO fina		ation and management: Financial adminis	tratio	n and ma	nagement
		ization, how to form right proposal, accou			_
		nes for submission of application, fund			
		on (from Indian and Foreign sources), Ind			
		oval for deduction u/s 80 G.			1
Outcome3		s will <mark>ga</mark> in <mark>an underst</mark> and <mark>in</mark> g about l	IGO	financial	K4
		n and management.			
	400	Unit IV			•
Objective	4 To Find out	what the NGO micro finance.			
Introducti	ion to NGO Mic	ero Finance: Definition of Micro finance, Ev	oluti	on of Mic	ro finance
		, context of evolution and role of Micro finar			
alleviation	, food security ar	d alternate livelihood support systems.			
Outcome4		learn the Introduction to NGO Micro finance) .		K2
	'	Unit V			
Objective	5 To provide l	nands on learning of NGO models			
		nce models, SHG- Bank linkage model, I	MAC	S (Mutua	lly Aided
		or profit MFIs, NBFCs. Role of differen		•	•
-	, ,	levelopment, state govt. agencies, RRBs and	_		
Outcome5		understand the NGO models.			K5
Suggested	l Readings:				.1
00	O	05) Administration and Management of NGO	Os" 7	Text and ca	ase study
	DeepPublication	,			3
-	•	dbook for NGOs Incorporating, A Nabhi Pu	blica	tions, Indi	a Hilhorst
		l of NGOs: Discourses, Diversity and Develo			
Books		,		,	
	L. M., and Soko	lowoski, S. (2004). Global civil society: Din	nensi	ons of the	nonprofit
	comfield, USA:	· · · · · · · · · · · · · · · · · · ·			1
		Non-governmental organizations and develop	ment	. (2009). I	New
York: Ro	•	39		\/-	*
	<u> </u>	U /			

Online Resources:

https://www.google.co.in/books/edition/Administration_and_Management_of_NGOs/xr6P6WC6Cs0C?hl=en

 $\underline{\&gbpv=1\&dq=Kumar.+R.,+Goel.+S.L.+(2005)+Administration+and+Management+of+NGOs\%E2\%80\%9D+Te}$

xt+and+case+study+Deep+and+Deep+Publications.+India&printsec=frontcover

https://www.bharatilawhouse.com/product/nabhis-handbook-for-ngos-edition-2020-

9788172749644/

https://www.researchgate.net/publication/261403623 Global Civil Society Dimensions of the_Nonprofit_S ector

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create
		Course	designed by:	Dr. S. CHANI	DRAMOHAN

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	S (3)	L(1)	M (2)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO2	L(1)	L(1)	M (2)	L(1)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO3	M (2)	M (2)	L(1)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO4	M (2)	M (2)	M (2)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO5	L(1)	L(1)	-	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
W.AV	1.8	1.6	1.2	1.2	1.6	3	1.6	2	1.6	1

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	S (3)	M (2)	L(1)	L(1)
CO2	M (2)				
CO3	M (2)	M (2)	M (2)	L(1)	M (2)
CO4	M (2)	L(1)	M (2)	S (3)	M (2)
CO5	M (2)	L(1)	M (2)	S (3)	M (2)
W.AV	2	1.8	2	2	1.8

			Semester – III						
~	Cours	e code:	PREPAREDNESS AND MITIGATION		Credits:	Hours			
Core		301		T	4	4			
	0.10		Unit – I	.1	-				
Obje	ctive 1	A gener	al understanding of preparedness and mitigati	on sł	ould be t	aught			
	00270 2	to stude		011 51		<u>8</u>			
Intro	duction			ignif	icance,	Disaste			
			es, Institutional Mechanism for Disaster	_	Prepare				
			with special needs/vulnerable groups, Disasto						
	rogrami				1	•			
Outc	ome 1	Emphas	size the importance of general concepts of pr	epaı	edness	K2			
		and miti		•					
			Unit – II						
Obje	ctive 2	Take a l	ook at disaster preparedness plans						
			ess Plan: Concept and Significance of Disast	er P	reparedne	ss Plar			
		-	s Plan essentials, Community Based Disaste		-				
		-	nings and Safety Measures of Disaster, Material,		-				
			means of transport, medical facility and con						
			ower, awareness of damages, perception, and re						
Hiera	rchy set-	up, the d	lirection of communication						
			and the disaster preparedness plan			K4			
			Salad Unit – III sam						
Obje	ctive 3	Disaster	management students learn about emerging t	echn	ologies				
			ies in Disaster Management Remote sensing,			ping,			
		_	nd use zoning, Wireless and Radio, HAM radio		1	1 0,			
	ome 3		e emerging technologies in disaster manageme	nt		K 4			
			Unit – IV						
Obje	ctive 4	Mitigati	on plans for various disasters should be prepa	red					
			nding disaster risk and its implication for sus		ble devel	opmen			
			etween social, economic and environmental vi						
		_	an setting and trans-boundary contexts; Disaste						
secur	_								
	ome 4	Address	the mitigation process during a disaster			K2			
	ctive 5		re information about mitigation strategies.						
	ation	strategi		earth	quake,	drough			
_	,	\mathcal{C}	security and coping strategies. Livelihood, en			_			
strate				1)		1			
	ome 5	Develop	an understanding of the key facets of mitigati	on st	rategies	K5			
	ted Rea	_							
cc		U	(2003). Natural Disasters and Development in a	a Glo	balizing				
	_	, ,	lew York.						
		_	Commission on Environment and Development: C	ur C	ommon				
-			is (1987). http://www.un-documents.net/our-com			lf			
			lance Note for Disaster Risk Reduction: Healthy		-				
			009) International Union for Conservation of Nat		•				
	ources.		•						
		gina; Emi	ly Grover- Kopec and Maxx Dilley. (2007). Doc	ume	nting				
Drought-Related Disasters: A Global Reassessment. The Journal of Environment									
Drought-Related Disasters: A Global Reassessment. The Journal of Environment Development, 16: 328 Kundzewicz, & Zbigniew W. (2009). Non-structural Flood									
Dev			20 Hande wiez, & Zorgine w w. (2007). I ton bu						
	tection a								
Pro		and Susta	inability, USA: Water International ten; B. Merz, & G. Bloschl. (2004). Flood risk			ıd			

Kenny, Charles. (2012). Disaster risk reduction in developing countries: costs, benefits and institutions. Disasters, 36(4): 559–588

Arnold, Magret. (2002). Development for disaster reduction: the role of the World Bank. Australian Journal of Emergency Management

Online Resources

Dylan Sandler, Anna K. Schwab. Hazard Mitigation and Preparedness: An Introductory Text for Emergency Management and Planning Professionals

https://www.routledge.com/Hazard-Mitigation-and-Preparedness-An-Introductory-Text-for-Emergency- Management/Sandler-Schwab/p/book/9780367635770

Dylan Sandler, Anna K. Schwab Hazard Mitigation and Preparedness: An Introductory Text for Emergency Management and Planning Professionals.

https://books.google.co.in/books/about/Hazard_Mitigation_and_Preparedness.html?id=sW1AE AAAQBAJ&redi r_esc=y

Peace Corps. Disaster preparedness and mitigation (DPM): A Pre-Service Training Module https://ebookcentral-proquest-com.libproxy.westoahu.hawaii.edu/lib/uhwestoahu-ebooks/detail.action?docID=817484

Roger C. Huder. Disaster Operations and Decision Making https://www.bencana-kesehatan.net/images/referensi/ebook/E-

<u>BOOK Disaster%20preparedness%20and%20mitigation.pdf</u> Joseph F. Gustin. Disaster and Recovery Planning: a Guide for Facility

Managers by

http://libproxy.westoahu.hawaii.edu/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=nlebk&AN=656552&site=ehost-live&scope=site

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create
		A LA	Course Desig	ned by: Dr. S. C	Chandramohan

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	S (3)	L(1)	M (2)	L(1)	S (3)	L(1)	L(1)	L(1)	L(1)
CO2	L(1)	L(1)	M (2)	L(1)	L(1)	S (3)	L(1)	L(1)	M (2)	L(1)
CO3	M (2)	M (2)	L (1)	L (1)	M (2)	S (3)	M (2)	M (2)	L(1)	M (2)
CO4	M (2)	M (2)	M (2)	L (1)	M (2)	S (3)	M (2)	M (2)	L(1)	M (2)
CO5	L(1)	L(1)	-	L (1)	M (2)	S (3)	M (2)	M (2)	M (2)	M (2)
W.AV	1.8	1.6	1.2	1.2	1.6	3	1.6	1.6	1.4	1.6

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	S (3)	M (2)	L (1)	L (1)
CO2	M (2)				
CO3	M (2)	M (2)	M (2)	L (1)	M (2)
CO4	M (2)	L (1)	M (2)	S (3)	M (2)
CO5	M (2)	L (1)	M (2)	S (3)	M (2)
W.AV	2	1.8	2	2	1.8

			Semester – III		
Core	Cours	se code:	CEOSDATIAL TECHNOLOGY IN	Credits:	Hours:
0010		6 302	DISASTER MANAGEMENT T	4	4
I			Unit – I		
Objec	tive 1	To intro	duce the concepts and fundamentals of Remote Se	nsing, GIS	S and
		GPS.			, 4424
Introd	uction:	Remote	sensing – definition, history & development, conce	ept and pr	rinciples
Cartogi	raphy -	General	Cartography, Types of Maps, Technologies in C	Cartograph	ıy, Map
compo	sition.	Concept	of Electromagnetic Radiation (EMR) - EMR Spectrum	n and its pr	operties
EMR v	vavelen	gth region	ns and their applications, Atmospheric windows, Intera	ction of E	MR with
matter,	Spectra	al signatuı	res.		
Outco	me 1	Student	s will learn the basic concepts and principles of	remote	K2
		sensing,	GIS and GPS.		
			Unit – II		
Objec	tive 2		per presents an objective view of the application	ı of differ	ent RS
			Stechniques		
	_		Analysis: Platforms, types and their characteristic		
		′ •	geo-stationery and sun-synchronous, Earth Resou		
			RS, IKONOS satellite series, High-Resolution Sa		•
		_	al satellites – INSAT, NOAA, GOES. Image proc	_	_
-	_	-	ric, Radiometric, Geometric corrections, Basic pr	inciples of	t visual
			oment for visual interpretation.		T7.4
Outco	ome 2		s will know about data processing and data		K4
		ınterpre	etation techniques. Unit – III		
Ohioo	tive 3	It stants		and diff	famant
Objec	tive 3		with basic knowledge about satellite processing satellites.	g and um	lerent
GIS at	nd GP		tion of GIS, Components of GIS, Variables, points	s lines no	olvgon
			ion, Advantages and Limitations of GIS, Spatial and		
			ystem (GPS), Definition, Development of GPS		
		_	Navigation System and their Segments, Application		
Outco			nniques will be taught to students in this course		K4
		1	Unit – IV		
Objec	tive 4	This par	per provides different data acquisition, data analys	is of RS a	nd GIS
			risk, vulnerability and hazards.: Geoinformatics in		
			nt, Risk identification, Risk Reduction, Risk manage		
use pla	nning	for disas	ster risk reduction. Risk analysis and its component	ents. Colla	aborative
mapping	g and m	nobile GIS	S.		
Outco	me 4	Students	s will understand and convey the GPS techniques		K2
Objec	tive 5	To knov	the various types of software packages used for d	isaster	
		applicat			
			sment: qualitative and quantitative approaches, Spatial		
	•	, .	-based Decision Support Systems (DSS) for disaste	r managei	ment.
-			anagement		
support.			M1 11 11 11 11 11 11 11 11 11 11 11 11 1		
Outco	ome 5		s will learn the multi-hazard assessments in disaste	r	K5
		manager	nent		

Suggested Readings:

Drury, S.A., (1987). Image Interpretation in Geology, UK: Allen and Unwin. Gibson, P.J.(2000). Digital Image Processing. London: Routledge Publication. Gupta, R.P., (1990). Remote Sensing Geology, Germany: Springer Verlag.

Joseph, G. (2004). Fundamentals of Remote Sensing, Hyderabad, India: Universities Press. Campbell, J. (2002). Introduction to Remote Sensing, London: Taylor & Francis. Anji Reddy, M. (2008). Textbook of Remote Sensing and Geographic Information System, Hyderabad: B.S. Publication,

Paul Longley., (2005). Geographic Information Systems and Science, USA: John Wiley & Sons,

Lo, C.P., Yeung, A.W. (2002). Concepts Techniques of Geographical Information Systems, New Delhi: Prentice-Hall of India,

Chang, K.T. (2008). Introduction to Geographic Information Systems, New York: Avenue of the Americas.

Orhan, R., Backhaus, P., Boccardo, S., Zlatanova. (2010). Geoinformation for Disaster and Risk

Management Examples and Best Practices, Joint Board of Geospatial Information Societies and United Nations Office for Outer Space Affairs, Denmark

Singh, R.B, (1994). Space Technology for Disaster Monitoring and Mitigation in India, International Center for Disaster-Mitigation Engineering

ESRI. (2006). GIS and Emergency Management in Indian Ocean Earthquake/Tsunami Disaster, An ESRI® White Paper.

Online Resources

Raghavendra Tatipamul. Application of Geospatial Technology in Environmental and Disaster Management.

https://www.researchgate.net/publication/336717156 application of geospatial technology in environm ental and disaster management#fullTextFileContent

Sisi Zlatanova, Jonathan Li. Geospatial Information Technology for Emergency

Response. https://www.isprs.org/publications/bookseries/vol6.pdf

Brian Tomaszewski. Geographic Information Systems (GIS) for Disaster

Management. https://www.routledge.com/Geographic-Information-

Systems-GIS-for-Disaster-

Management/Tomaszewski/p/book/9781138489868

How geospatial technologies aid in effective disaster management.

https://www.innovationnewsnetwork.com/how-geospatial-technologies-aid-in-effective-disaster- management/38841/

RSS-Hydro: Mitigating water-based disasters with advanced geospatial technology innovations. https://www.innovationnewsnetwork.com/ebook/mitigating-water-based-disasters-with-geospatial-technology/

Role of GIS in Disaster Management

https://ellipsis-drive.com/blog/how-gis-technology-aids-in-emergency-management/

Von Zlatanova, SisiHrsg.Li, JonathanHrsg. Geospatial Information Technology for Emergency Response.https://www.reuffel.de/ebooks/detail/ISBN-2244034630170/Zlatanova-

Sisi/Geospatial-Information- Technology-for-Emergency-Response

K1-Remember K2-Understand K3-Apply K4-Analyze K5-Evaluate K6-Create

Course Designed by: Dr. S. CHANDRAMOHAN

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	L(1)	L(1)	L(1)	S (3)	M (2)	S (3)	M (2)	S (3)	L(1)	L(1)
CO2	M (2)	M (2)	L(1)	L(1)	L (1)	L (1)	S (3)	L(1)	M (2)	M (2)
CO3	L(1)	L(1)	S (3)	M (2)	M (2)	M (2)	L(1)	M (2)	L(1)	L(1)
CO4	L(1)	L(1)	M (2)	M (2)	L (1)	L(1)	M (2)	L(1)	L(1)	L(1)
CO5	S (3)	M (2)	S (3)	L(1)	L (1)	S (3)	L(1)	S (3)	M (2)	M (2)
W.AV	1.6	1.4	2	1.8	1.4	2	1.8	2	1.4	1.4

S –Strong (3), M-Medium (2), L- Low (1)

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M (2)	M (2)	L (1)	L(1)	M (2)
CO2	L(1)	S (3)	M (2)	M (2)	L (1)
CO3	M (2)	M (2)	S (3)	S (3)	M (2)
CO4	S (3)	L(1)	S (3)	S (3)	S (3)
CO5	L(1)	S (3)	L (1)	L(1)	L (1)
W.AV	1.8	2.2	2	2	1.8

S –Strong (3), M-Medium (2), L- Low (1)

			Semester – III			
Core		se code:	ENVIRONMENTAL ECONOMICS	Т	Credits: 4	Hours: 4
			Unit – I			
Object	ive 1	Providi	ng a basic understanding of environmental e	conom	ics	
Introd	luction	: Meani	ng definition of environmental economics, in	nporta	ince, scope,	economics
anden	vironm	ent, The	eories of optimal use of exhaustible and rene	wable	resources,	the concept
			opment, Economic accounting and the mea	surem	ent of env	ironmentally
correct					ľ	
Outco	me 1	Students economi	will be able to describe the general concept of encs	vironn	nental K	
			Unit – II			
Object	ive 2	Student	s should be educated about externalities and	marke	et inefficien	c y
externali	ties, no ium, p es	on-conve oreferenc	rket inefficiency- externalities as missing axities and externalities, Pareto optimal provision e revelation problem and impure and mixed	on of ed goo	public good	ls Lindhal's
Outco	me 2	Students	learn about externalities and market inefficiencie	S	K	4
			Unit – III			
Object	ive 3	A cours	e on environmental valuation will be offered	to stud	lents	
Appro	oaches	to Envi	ronmental Valuation: valuation methods, H	edonic	property v	alues, and
	-		n models (travel cost method and health pro		,	
			hypothetical markets, contingent valuation			
			s, methods, an <mark>d empirical eviden</mark> ce. Enviro			
		-	on, life cycle asse <mark>ssment, Impact</mark> of dev	velopn	nent on bi	odiversity,
			ors, and human health.		ľ	
Outco	me 3	Students	will evaluate environmental valuation critically.		K	2
		1	Unit – IV			
Object		•	overview of India's environmental problems			
			plems in India: Nature and sources of pollut			
			pollution, Marine pollution, India Environm			
			rol pollution and environmental protection			
			ning and Coordination (NCEPC), Departme	nt of	Environme	nt (DOE),
			rd (PCB).			
Outco	me 4	The stud	ents will be able to analyze the environmental pro	blems	ın İndia K	.5
Object	ive 5	An over	rview of environmental movements			
Environ	menta	l moven	nents and environmentalism, environmentali	sm of	the poor.	Grass Root
Moveme	ents, Cl	, *	vement, Save Silent Valley Movement, Narmad			
Outco	me 5	There	will be a focus on environmental m	oveme	ents and K	.2
		environi	mentalism for students			
Suggeste	ed Read	lings:				
			(2013). Environmental Economics and Manager	ment: '	Theory, Poli	cy and
			d.), Cengage Learning.			
			Resource and Environmental Economics, Cambrid			
			by N., J.F. Shogern and b. White (1997) Environ	nment	al Economic	es in
			ce, Macmillan.	C*		
	-		ward Barbier. (2009). Pricing Nature: Cost-Bene	tit Ana	llysis and	
			cy. Edward Elgar.	.1 1	T 1 P	
			99) Principles of Environmental Economics, Ru			
			ne Belly of the River: Tribal Conflicts over Deve	iopme	nt in the Na	rinada
Va.	ney, N	ew Delhi	:Oxford University Press.			

Jodha, N.S. (1986). Common Property Resources and Rural Poor in Dry Regions of India. Economic and Political Weekly 21:1169-1181.

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Martinez-Alier, Joan (2002): The Environmentalism of the Poor: A Study of Ecological Conflicts and Valuation (Cheltenham: Edward Elgar).

Menon, A and Ananda vadivelu G. (2006). Common Property Resources in Different Agro-Climatic Landscapes in India, Conservation and Society, 4 (1): 132-154.

NSSO. (1999). Common Property Resources in India, NSS 54th Round (January 1998-June 1998). Government of India.

Perman, R., Ma, Y., McGilvray, J., & Common, M. (2003). Natural resource and environmental economics. Pearson Education. Routledge. UK.

Tietenberg, Tom & Lewis, Lynne. (2011). Environmental and Natural Resource Economics. Venkatachalam

L. (2015). Economic Valuation of Ecosystem Services: A Case Study of Ousteri Wetland, Puducherry, Research Report submitted to GIZ-MoEF, Madras Institute of Development Studies, Chennai.

Wagner, Gernot and Martin Weitzman. (2015). Climate Shock: The Economic Consequences of a HotterPlanet, USA: Princeton University Press.

Online Resources

Environmental Economics and Management: Theory, Policy, and Applications, Scott J. Callan, Janet M. Thomas, Cengage Learning, 2013, ISBN 1285528549, 9781285528540

https://books.google.co.in/books?id=YSsLAAAAQBAJ&newbks=0&hl=en&source=newbks_fb&redir_es_c=y

Principles of Environmental Economics, Ahmed M. Hussen, Routledge, ISBN:9780415275606, 0415275601

https://www.google.co.in/books/edition/Principles of Environmental Economics/fgYgfaTh6KMC? hl= en&gbpv=1&dq=principles+of+environmental+economics,+hussain&printsec=frontcover Resource and Environmental Economics, Anthony C. Fisher, Cambridge University

Press, ISBN: 9780521243063, 0521243068

https://www.google.co.in/books/edition/Resource_and_Environmental_Economics/tqI5AAAAIAAJ?hl

 $\underline{=}en\&gbpv=1\&dq=resources+and+environmental+economics,+fisher\&printsec=frontcover$

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create		
		Course Designed by: Dr. S. Chandra					

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	L(1)	M (2)	S (3)	M (2)	S (3)	M (2)	L(1)	L(1)	L(1)
CO2	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)	S (3)	M (2)	M (2)	L(1)
CO3	M (2)	L (1)	S (3)	L (1)	M (2)	M (2)	L (1)	L(1)	L (1)	S (3)
CO4	M (2)	M (2)	M (2)	S (3)	L(1)	L(1)	M (2)	L(1)	L (1)	M (2)
CO5	L(1)	L(1)	L(1)	M (2)	L(1)	S (3)	L (1)	S (3)	M (2)	S (3)
W.AV	1.8	1.6	1.8	2.2	1.4	2	1.8	1.6	1.4	2

Course Outcome VS Programme Specific Outcomes

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	M (2)	L(1)	M (2)	M (2)
CO2	L (1)	S (3)	M (2)	L (1)	S (3)
CO3	M (2)	L (1)	S (3)	M (2)	M (2)
CO4	M (2)	L (1)	S (3)	S (3)	L (1)
CO5	M (2)	S (3)	L(1)	L(1)	S (3)
W.AV	2	2	2	1.8	2.2

 $S\operatorname{\mathsf{-Strong}}\nolimits(3), \operatorname{\mathsf{M-Medium}}\nolimits(2), \operatorname{\mathsf{L-Low}}\nolimits(1)$



				Semester – 1	III				
Core		se code:	FIELDW	ORK AND P	RACTICAL	- II	P	Credits:	Hours:
Corc	64	6 304						3	6
		T		Unit –					
U	tive 1		erstand and lear						
			eration of fire ext	inguishers e	tc., Various ty	pes of Fi	ire ac	cidents Ty	pe A, B,
	K type			4 0 00	1 6 4			770	
Outco	ome 1	Describe	the general con					K2	
		Γ		Unit – I					
	tive 2		and practice va						
			swimming lesso						nniques
		motor bo	at operation, resc	ue with rescu	ie boat, Comp	lete first	aid fo	or aquatic	
emerger		т	1 4 69 1	41 1				T7.4	
Outco	ome 2	Learn a	bout flood rescu		TT			K4	
Ohio	4: 2	A 1	-h4 :	Unit – I	11				
			about improvise of improvise						
	ome 3		nt can understar		nting			K2	
Outco	<u> </u>	A Stude	it can understar	Unit – I				IX2	
Ohioo	tive 4	To loom	and practice va						
			g, Top-over lashi			laching	Block	zing and R	racina
	ome 4		ected that differ			lasining,	DIOC	King and B	iacing
Oute)IIIe 4	it is exp	ected that uniter	ent methous	of fashing			KS	
another perform	faculty nance fo	member r 75 marl	practical trainer who serves as one in Practical ex y the HOD	external <mark>m</mark> en	nber of the ev	aluation	board	will evalu	ate the
	eightage	of mark	s for Practical w	vill be:					
The we	-99				25				
	Exami	ier Evait							
Internal		ner Evalu	ation		75				
Internal	l Exam		ation	0000 to p.c.]	75 00				

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	L(1)	S(3)	M(2)	M(2)	L(1)	M(2)	M(2)	S(3)	M(2)
CO2	M(2)	M(2)	L(1)	S(3)	M(2)	M(2)	M(2)	L(1)	M(2)	M(2)
CO3	M(2)	M(2)	M(2)	L(1)	M(2)	L(1)	M(2)	M(2)	M(2)	L(1)
CO4	M(2)	M(2)	M(2)	L(1)	L(1)	L(1)	M(2)	L(1)	L(1)	L(1)
CO5	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	L(1)	L(1)	M(2)
W.Avg	2.2	1.8	2	1.8	1.8	1.2	2	1.4	1.8	1.6

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M(2)	S(3)	L(1)	M(2)	S(3)
CO2	S(3)	M(2)	M(2)	M(2)	M(2)
CO3	S(3)	M(2)	L(1)	M(2)	L(1)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)
CO5	M(2)	M(2)	M(2)	M(2)	L(1)
W.Avg	2.4	2.2	1.4	1.8	1.8

 $S\operatorname{\mathsf{-Strong}}\nolimits(3),\operatorname{\mathsf{M-Medium}}\nolimits(2),\operatorname{\mathsf{L-Low}}\nolimits(1)$



	Semester – III								
Course code: 646305	Institutional INTERNSHIP	Credits: 3	Hours: -4						
Objective	To develop practical skills and provide real world experience through hands on exposureon field level dimensions of banking and financial services.								
	Students are required to closely work with government, non-government organizations, research institutes and consultancy firms for a period of one month during summer vacation after the completion of second semester. The work or training shall be related to disaster management or allied activities. They are expected to submit a report at the end of the internship. The evaluation shall be based on the performance of the student during the internship which will have a total of 100 marks.								
Outcome	Outcome Students will enhance their professional skills and foster a deeper understanding institutional operations.								
	Course Designed by:	Dr. S. CHAN	DRAMOHAN						



			Semester – III				
DSE	Course 646 5		DISASTER ECONOMICS AND FINANCIN	IG	T	Credits:	Hours:
			Unit – I				
Obj	ective 1	To b	ecome familiar with the various economics of	f inf	forr	nation	
			nation- Impact of Disaster: Humanitarian in	-			-
			Costs; Tangible and Intangible Costs. Dama eds Assessment; Risk identification and assess	_		essment n	nethods:
	tcome 1		nts will understand the importance of general eco			concents	K4
Out	ttome 1	Stude	Unit – II	JIIOI	inc	concepts	11.4
Ohi	ective 2	To a	equire the knowledge of disaster economics mar	าลชค	r		
3			Manager: Role and Functions-Risk-Loss,			ring Organ	izations-
			stem: A Managerial Tool.	1114	عسس	ing Organ	izations
	Outcome 2 Students will become familiar with disaster economic managers					K2	
		·	Unit – III				<u>-L</u>
Obj	ective 3	To le	arn about the developing physical and economi	c inf	fras	tructure	
							astructure
Deve	lopment,	Sustain	able Development, Disasters and Development	Pro	ces	ses, Need f	or a New
Parad	igm		White and the second				
Out	tcome 3	Stude	nts will acquire knowledge about Disaster ma	nage	eme	ent which	K2
		requi	es the development of physical and economic inf	rast	ruct	ure	
		1	Unit – IV				
Obj	ective 4		purpose is to <mark>imp</mark> art knowl <mark>edg</mark> e Indian o	disas	ster	financing	
			ework and policy				
			ncing framework and policy: Disaster finance	cing	in	India-Disa	ster and
		_	Commission, Role and functions.		C'		TT7 =
Out	tcome 4	Stude India	nts will understand Policy and framework for dis	aste	r †11	nancing in	K5
Obj	ective 5	Stude	ents will gain a better understanding of internati	ona	l fin	ancial insti	tutions in
			terfinance				
The	role of in	ternat	onal financial institutions in disaster finan	ce:]	Inte	rnational A	Agencies
			ons: Role and Importance in Disaster Mitigation				
_			Mitigation, Financial and Logistical Assistar				
			dination with Governmental and Non-Gov				
		-	for International Assistance, Disaster and inter	rnati	iona	al finance c	apital in
	eoliberal w			.•		1 11	T
Out	tcome 5		nts will learn about international financial institu errelief	tıon	s in	volved in	K2
	ted Readi	_					
T	Rardhan D	ranah (1001) The Economic Theory of Agrarian Institut	ions	TI	K. Clarando	\n·

Bardhan, Pranab (1991). The Economic Theory of Agrarian Institutions, UK: Clarendon: BensonCharlotte, & Clay Edward (2004). Understanding the Economic and Financial Impacts of Natural Disasters, Disaster Risk Management Series No. 4, Chapter 3 Public Finance and Disasters, World Bank.

Cunnins, David J and Oliver Mahul (2009). Catastrophe Risk Financing in Developing Countries: Principles for Public Action, The World Bank: Washington, D.C.

Eric, C. Jones; Arthur, D. Murphy, A. (Ed) (2009). The Political Economy of Hazards and Disasters, Altamira Press, USA.

Goodwin, Barry K; Vincent H. Smith (1995). The Economics of Crop Insurance and Disaster Aid. AEI Press. USA.

Hochrainer, Stefan (2006). Macroeconomic Risk Management Against Natural Disasters Analysis

focussed on Governments in Developing Countries. Dissertation Universitat Wien.

Kern, William, S (2010). The Economics of Natural and Unnatural Disasters. W.E Upjohn Institute for Employment Research. Michigan

Shaw, Rajib, Koichi Shiwaku, Yukiko Takeuchi (2011). Community, Environment and DisasterRisk Management Volume 7. Emerald Group Publishing Limited

The Asian Tsunami: (2010). Aid and Reconstruction after a Disaster. Asian Development Bank Institute.

Zack, Naomi (2009). Ethics for Disaster. Rowman & Littlefield Publishers INC.

Online Resources:

https://global.oup.com/academic/product/the-economic-theory-of-agrarian-institutions-9780198287629?cc=in&lang=en&

https://www.worldbank.org/en/programs/disaster-risk-financing-and-insurance-

program/publication/catastrophe-risk-financing-in-developing-countries

https://www.academia.edu/21484568/THE_POLITICAL_ECONOMY_OF_HAZARDS_AND_DISASTERS

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create			
	Course Designed by: Dr. S. Chandramohar							

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	L(1)	L(1)	L(1)	S (3)	M (2)	S (3)	M (2)	S (3)	L(1)	L(1)
CO2	M (2)	M (2)	L(1)	L(1)	L (1)	L (1)	S (3)	L(1)	M (2)	M (2)
CO3	L(1)	L(1)	S (3)	M (2)	M (2)	M (2)	L (1)	M (2)	L(1)	L(1)
CO4	L(1)	L(1)	M (2)	M (2)	L(1)	L (1)	M (2)	L(1)	L(1)	L(1)
CO5	S (3)	M (2)	S (3)	L(1)	L (1)	S (3)	L (1)	S (3)	M (2)	M (2)
W.AV	1.6	1.4	2	1.8	1.4	2	1.8	2	1.4	1.4

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Course Outcome VS Programme Specific Outcomes

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M (2)	M (2)	L (1)	L (1)	M (2)
CO2	L (1)	S (3)	M (2)	M (2)	L (1)
CO3	M (2)	M (2)	S (3)	S (3)	M (2)
CO4	S (3)	L (1)	S (3)	S (3)	S (3)
CO5	L (1)	S (3)	L (1)	L (1)	L (1)
W.AV	1.8	2.2	2	2	1.8

		III - Semester			
DSE	Course Code 646508	OCCUPATIONAL HEALTH MANAGEMENT	Т	Credits: 2	Hours: 3
		Unit -I	•	-1	1
Objective	1 A brief ove	rview of disaster health services.			
		ers: Public Health Issues - Mass Casualty		•	
		- Institutional Mechanism for Disaster H			_
		Medical Preparedness and Mass Casualt	y Ma	nagement	- Hospita
	anagement Plan				T
Outcome1	Students wil	l learn and understand about disaster health	ı servi	ce.	K2
		Unit II			
		understanding of emergency health open			
		ions: Disaster Medicine - Mandatory Com	poner	its - Triage	and
		otocol of First Aid	1	CT: . A.1	T7.4
Outcome2		l Gain knowledge about to emergency Proto	ocoi o	I First Aid	K4
	healthservic	es. Unit III			
Ohioatiwa	2 To Learnin		-11		
		g how to respond medically and healthfu		II141. D	
		sponse to different disasters: Medical			
_		nd Health Response to Cyclones - Medica	ai and	Health Ke	esponse to
Outcome3		th Response to Fires. n understand the medical response to various	na dia	ngtorg	K4
Outcomes	Students car	i understand the medical response to various	us uisa	181618.	IX4
		Unit IV			
		alth planning course			
		asters: Context of Disaster Preparedness: N	Meanii	ng and Con	cept
		Planning - Role of Planner.			T
Outcome4		able to understand Health planning during	disast	ers will be	K2
	taught to the				
		Unit V			
		the health of communities during disaste			
	•	ng disasters: Health and Implications of I			
_		Health Consequences - Common Health		•	,
		1 Medical Equipment and Stores Required -			
		- Guidelines for a Composite Longterm Di			
Outcome5	Students are	educated about disaster-related communit	y heal	th.	K5
Suggested	l Readings:				1
	_	ation in natural disasters, Geneva, WHO (1971).		
		rting resuscitation and first aid, Geneva, Le	,		s and Red
	Societies (1984	<u> </u>			
	`	d Mitigation, United Nations Disaster I	Relief	Coordinat	ion, New

Disaster Prevention and Mitigation, United Nations Disaster Relief Coordination, New York(1982). Handbook for emergencies, Geneva, United Nations High Commissioner for Refugees (1982). Health Services Organization in the event of Disaster, Washington DC, PAHO,

PAHO, Emergency Health Management After Natural Disasters, Washington DC.

Eric, C. Jones; Arthur, D. Murphy, A. (Ed) (2009). The Political Economy of Hazards and Disasters, Altamira Press, USA.

Goodwin, Barry K; Vincent H. Smith (1995). The Economics of Crop Insurance and DisasterAid. AEI Press. USA.

Hochrainer, Stefan (2006). Macroeconomic Risk Management Against Natural Disasters Analysis focused on Governments in Developing Countries. Dissertation Universitat Wien.

Noji, Eric K., 1997, The Public Health Consequences of Disasters, OUP, New York.

Shaw, Rajib, Koichi Shiwaku, Yukiko Takeuchi (2011). Community, Environment and Disaster Risk

Management Volume 7, Emerald Group Publishing Limited

The Asian Tsunami; (2010), Aid and Reconstruction after a Disaster, Asian Development Bank Institute,

Zack, Naomi (2009), Ethics for Disaster, Rowman & Littlefield Publishers INC.

Online Resources:

https://www.cartercenter.org/resources/pdfs/health/ephti/library/lecture-notes/env-

occupational-health-students/ln-occ-health-safety-final.pdf

https://www.osti.gov/servlets/purl/7278484

https://www.cartercenter.org/resources/pdfs/health/ephti/library/lecture_notes/env_health_science_students/ln_occ_h_lth_sfty_hygiene_final.pdf

https://www.ilo.org/wcmsp5/groups/public/---dgreports/---dcomm/---

publ/documents/publication/wems 093550.pdf

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create
			Course Desig	gned by: Dr. S. C	Chandramohan

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	S (3)	L(1)	M (2)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO2	L(1)	L(1)	M (2)	L(1)	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)
CO3	M (2)	M (2)	L(1)	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO4	M (2)	M (2)	M (2)	L (1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
CO5	L(1)	L(1)	<u> </u>	L(1)	M (2)	S (3)	M (2)	M (2)	M (2)	L(1)
W.AV	1.8	1.6	1.2	1.2	1.6	3	1.6	2	1.6	1

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Course Outcome VS Programme Specific Outcomes

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	S (3)	M (2)	L(1)	L(1)
CO2	M (2)				
CO3	M (2)	M (2)	M (2)	L(1)	M (2)
CO4	M (2)	L(1)	M (2)	S (3)	M (2)
CO5	M (2)	L(1)	M (2)	S (3)	M (2)
W.AV	2	1.8	2	2	1.8

Online Resources:

https://www.google.co.in/books/edition/Industrial_Fire_Protection_Handbook/uufLBQAAQBAJ?hl=en&gbpv=

 $\frac{1\&dq = Schroll, +R. +C. +(2002). + Industrial + fire + protection + handbook. +(2nd + ed.). + CRC + Press: +Boca + Raton, +FL$

+ISBN:+1587160587&printsec=frontcover

https://www.google.co.in/books/edition/Principles_of_Fire_Protection/a8jU-

2xyw5EC?hl=en&gbpv=1&dq=Cote,+A.+%26+Bugbee,+P+(1988).+Principles+of+fire+protection.+National+Fi re+Protection+Association.+Schroll,&printsec=frontcover

https://www.google.co.in/books/edition/Industrial_Fire_Protection_Handbook_Seco/rgIPnwEACAAJ?hl=en

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create			
		Course Designed by: Dr. S. Chandramohan						

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	L(1)	M (2)	S (3)	M (2)	S (3)	M (2)	L(1)	L(1)	L(1)
CO2	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)	S (3)	M (2)	M (2)	L(1)
CO3	M (2)	L(1)	S (3)	L(1)	M (2)	M (2)	L(1)	L(1)	L(1)	S (3)
CO4	M (2)	M (2)	M (2)	S (3)	L(1)	L (1)	M (2)	L(1)	L(1)	M (2)
CO5	L(1)	L(1)	L(1)	M (2)	L (1)	S (3)	L(1)	S (3)	M (2)	S (3)
W.AV	1.8	1.6	1.8	2.2	1.4	2	1.8	1.6	1.4	2

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	M (2)	L (1)	M (2)	M (2)
CO2	L (1)	S (3)	M (2)	L (1)	S (3)
CO3	M (2)	L(1)	S (3)	M (2)	M (2)
CO4	M (2)	L(1)	S (3)	S (3)	L(1)
CO5	M (2)	S (3)	L (1)	L(1)	S (3)
W.AV	2	2	2	1.8	2.2

			Semester – IV						
Como	Course	code:	ADAPTATION AND MITIGATION IN	Т	Credits:	Hours:			
Core	646 4	401	CLIMATE CHANGE	1	4	4			
Unit – I									
Objective 1 This paper focus on the benefits of students will be able to understand the									
		basic							
		conce	pts of climate change						
Introd	uction:	Energy	y balance and climate, Greenhouse effects, Greenhouse	enhou	ise gases,	Vertica			
structu	re of the	e atmo	sphere, Global warming and its effects, The ca	rbon	cycle: o	cean and			
biosph	ere, Cli	mates	in India, Adaptation and mitigation planning, Gov	ernan	ce and po	olicies fo			
adaptat	tion. IPP	C mode	elling scenarios						
Out	come 1	Stude	nts will know the basic knowledge of climate cha	nge		K2			
			Unit – II						
Obje	ective 2	To stu	ıdy the climate variability						
			implications on disaster risk, Climatic extreme	evei	nts and di	isasters-			
		•	national scenario, predictions and projections. C						
			abilities— environmental & land/geography, so						
	ructure, s		0 0 1 .		,				
			help in mitigate and manage the various disaste	rs		K4			
			Unit – III						
Obie	ective 3	To or	ient students about the impacts of climate change	<u> </u>					
			opogenic activities: Impacts of climate change:		ical and h	piologica			
			elines on greenhouse gas inventorying; general g						
-		_	energy. Decision-making and planning for mitigat						
_	come 3		ents will learn about different disasters and mea			K4			
out			eclimate chan <mark>g</mark> e due to thes <mark>e di</mark> sa <mark>st</mark> ers	bul	5 0	11.			
		roude							
Ohia	ective 4	To die	Unit – IV scus <mark>s var</mark> ious iss <mark>ues</mark> related to climate change and	l the	ir imnact				
			pacts various sectors: Water resources, Ag			Marin			
ecosys		Climate				daptatio:			
-			various sectors – Water, Agriculture, coastal			-			
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			nts gain knowledge about climate change impact	<u> </u>		K2			
			ucate students about climate sustainability and n		gamant	11.2			
			ility and disaster management: Climate ch			on and			
			f remote sensing and GIS in climate change						
-			erns and prospects of disaster management; Unite						
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			nts learn efficient suitability and management			K5			
	ested R		· E			KS			
		_	udhir ChellaRajan (2012). An Evaluation of India's	Nati	onal				
•			imate Change, IFMR: Chennai.	rail	nai				
			(ed). (2019). India in a Warming World: Integrating	o Cli	mate and				
			ford University Press. London.	5 CII.	maic allu				
	-		tural Organisation of the United Nations (FAO) (2	007)					
		_	nate change in agriculture, forestry and fisheries: Per						
			orities. http://www.fao.org/3/a- au030e.pdf (access						
	111ework (20).	ana pn	ornics. http://www.rao.org/s/a-auosoc.pur (access	cu O	i 10 Julie				
202	20 <i>)</i> .								

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Boom: An Overview of Issues and Evidence. In: Natural Resources Forum, no. 27/2003, pp. 130-140.

Online Resources

Urban Climate Adaptation and Mitigation

 $\underline{https://shop.elsevier.com/books/urban-climate-adaptation-and-mitigation/sharifi/978-0-323-85552-5}$

 $\underline{https://www.actives ustain ability.com/climate-change/mitigation-adaptation-climate-change/?\ adin=02021864894}$

Adaptation and Mitigation

https://ar5-syr.ipcc.ch/topic_adaptation.php Implementing adaptation

https://climate-adapt.eea.europa.eu/en/knowledge/tools/urban-ast/step-5-4/5-4-addressing-climate-change-through-adaptation-and-mitigation

Inter-relationships between adaptation and mitigation

https://www.ipcc.ch/site/assets/uploads/2018/02/ar4-wg2-chapter18-1.pdf

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create		
	Course Designed by: Dr. S. Chandramoh						

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	L (1)	M (2)	S (3)	M (2)	S (3)	M (2)	L(1)	L (1)	L(1)
CO2	L(1)	S (3)	L(1)	M (2)	L (1)	L (1)	S (3)	M (2)	M (2)	L(1)
CO3	M (2)	L (1)	S (3)	L (1)	M (2)	M (2)	L (1)	L(1)	L (1)	S (3)
CO4	M (2)	M (2)	M (2)	S (3)	L(1)	L (1)	M (2)	L(1)	L(1)	M (2)
CO5	L (1)	L (1)	L(1)	M (2)	L(1)	S (3)	L (1)	S (3)	M (2)	S (3)
W.AV	1.8	1.6	1.8	2.2	1.4	2	1.8	1.6	1.4	2

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	M (2)	L(1)	M (2)	M (2)
CO2	L(1)	S (3)	M (2)	L (1)	S (3)
CO3	M (2)	L (1)	S (3)	M (2)	M (2)
CO4	M (2)	L (1)	S (3)	S (3)	L (1)
CO5	M (2)	S (3)	L(1)	L (1)	S (3)
W.AV	2	2	2	1.8	2.2

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Core Course code: REHABILITATION AND T Credits: Hours: 4 4				Semester – IV			
Core 646 402 RECONSTRUCTION T 4 4 Unit - I		Con	rse code:			Credits	Hours
Unit - I	Core				T		
It is helpful to have a general understanding of rehabilitation and reconstruction		U	TU TU2			7	7
Introduction: Overview, Concepts of Rehabilitation and Reconstruction, Types of Rehabilitation, Guiding Principles of Rehabilitation and Reconstruction, Post- Disaster Story (Case study), Problem Areas in Disaster Recovery, Interlinkages between Recovery and Development Outcome 1	Objective	Λ 1 I	It is halpfu		hilita	tion and	
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Rehabilitation, Guiding Principles of Rehabilitation and Reconstruction, Post- Disaster Story (Case study), Problem Areas in Disaster Recovery, Interlinkages between Recovery and Development Outcome 1 This course introduces students to the basic concepts. Unit – II Objective 2 The students learn how to assess their recovery Recovery assessments: Vulnerability and risk assessment, Vulnerability and Capacity, Vulnerability Analysis, Risk Assessment, Conducting Risk Assessment, Risk Mapping, Recognize the different planning fundamentals. Recognize psychological impact of disasters. Disaster recovery plan (DRP). Outcome 2 The students will have a basic understanding of recovery assessments Unit – III Objective 3 Students learn about disaster recovery plans Elements of recovery plan: Post Disaster effects and Remedial Measures, Creation of Long-term Job Opportunities and Livelihood Options, Disaster Resistant House Construction, Sanitation and Hygiene, Education and Awareness, Dealing with Victims' Psychology, Long-term Counter Disaster Planning. Outcome 3 This course teaches students elements of recovery plans K4 Unit – IV Objective 4 Risk mitigation during disaster recovery should be taught Mitigating disaster risk during recovery: land use, livelihood, risk assessment methods; choices under uncertainty. Financing of recovery projects, Recovery management approaches-centralized versus decentralized, community as participants. Outcome 4 The students will gain a better understanding of disaster mitigation during recovery Objective 5 Learn about the role of different rehabilitation: The Government and Disaster Recovery and rehabilitation, Disaster and Non-Governmental efforts, Role of Local Institutions; Insurance, Police, Media. Education and awareness and role of Information Dissemination, Participative Rehabilitation. The role of different organizations in rehabilitation will be taught to students Suggested Readings Regnier, P., Neri, B., Scuteri, S. and Miniati, S. (2008). "From emergency relief	Introducti				econsti	uction T	vnes of
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Allen, B. L. (2007). "Environmental Justice and Expert Knowledge in the wake of a Disaster", Social Studies of Science, Vol. 37(1): 103-110

Online Resources

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https://ddceutkal.ac.in/Syllabus/MCOM/Disaster Management.pdf

course designed by: Dr. S. Chandramohan

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	L(1)	L(1)	L(1)	S (3)	M (2)	S (3)	M (2)	S (3)	L(1)	L(1)
CO2	M (2)	M (2)	L(1)	L (1)	L (1)	L (1)	S (3)	L(1)	M (2)	M (2)
CO3	L(1)	L(1)	S (3)	M (2)	M (2)	M (2)	L (1)	M (2)	L(1)	L(1)
CO4	L(1)	L(1)	M (2)	M (2)	L(1)	L(1)	M (2)	L(1)	L(1)	L(1)
CO5	S (3)	M (2)	S (3)	L(1)	L(1)	S (3)	L(1)	S (3)	M (2)	M (2)
W.AV	1.6	1.4	2	1.8	1.4	2	1.8	2	1.4	1.4

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Course Outcome VS Programme Specific Outcomes

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M (2)	M (2)	L(1)	L(1)	M (2)
CO2	L(1)	S (3)	M (2)	M (2)	L (1)
CO3	M (2)	M (2)	S (3)	S (3)	M (2)
CO4	S (3)	L(1)	S (3)	S (3)	S (3)
CO5	L(1)	S (3)	L(1)	L(1)	L (1)
W.AV	1.8	2.2	2	2	1.8

		Semester – IV								
Core	Course code:	DISASTER LAWS & PLANNING	T	Credits:	Hours:					
	646 403	MANAGEMENT	T	3	4					
		Unit – I		ı						
Objecti	ve 1 Learn a	bout the different types of disaster laws								
		Law: Act 2005, Environmental protect	ion	act 1986.	Hyogo					
	_	2005-2015, Biosafety Cartagena protocol, Ky								
		tegies, U.N.O's International Decade for Natur		-						
Outcon		a general overview of disaster management			K5					
3 444 622	1229,120	Unit – II			1220					
Objecti	ve 2 Learning	g about disasters and crisis management								
		Crisis Management: Definitions and Overvio	ew c	of risks and	dangers,					
		on crisis and mass disasters, Discussion on								
_	_	impact of disasters, preparation of a found								
_	ment plan	r · · · · · · · · · · · · · · · · · · ·								
Outcon		the issues related to disasters and crisis man	nage	ment	K2					
0 0.700		Unit – III								
Objecti	ve 3 To gain	a better understanding of disaster managem	ent	policy deve	lopment					
Disaster	Management	Policy: Concept, principles, constitution	al	elements,	Disaster					
Managen	nent Policies of	Different States (eg. TN, MP, Gujrat, Orie	ssa,	Uttarancha	al, Delhi					
etc.), Co	untries (Japan,	South Asian Countries, USA etc.)								
Outcon	ne 3 Disaster	management policies can be understood by	stud	ents	K4					
		Unit – IV								
Objecti	ve 4 Educatin	ng the public <mark>abo</mark> ut awareness programs is tl	he pi	urpose						
Public A	wareness Prog	rammes - Beliefs and Myths Regarding Disast	ters -	- Public Av	vareness					
Programm	nes Through Fa	ce-To-Face Interactions, Electronics Media,	Prin	t Media/M	laterial -					
Training	of Trainers for	· Creating A <mark>w</mark> aren <mark>ess</mark> amo <mark>ng</mark> Pub <mark>l</mark> ic								
Outcon	ne 4 A public	awareness program is expected to be taught	t to	the student	s K2					
Objecti		will be better prepared for disasters throug								
Trainin	g and drills fo	r disaster preparedness, Awareness generati	ion 1	program, U	sages of					
GIS and	l Remote sensir	ng techniques in disaster management, Mini	proj	ect on disa	ster risk					
assessm		ADDOLOGICAL STATE								
Outcon	ne 5 Students	will learn how to prepare for disasters and	prac	ctice drills	K4					
Suggested	l Readings				•					
Regn	ier, P., Neri, B.,	, Scuteri, S. and Miniati, S. (2008). "From em	erge	ency relief	to					
liveli	hoodrecovery I	Lessons learned from post-tsunami experience	es i	n Indonesi	a and					
India	",DisasterPreve	ention and Management, Vol. 17(3): 410-429								
Powe	ll, P.J. (2011). '	Post-disaster reconstruction: A current analysi	s of	Gujarat's r	esponse					
aftert	he 2001 earthqu	ake", Environmental Hazards, Vol. 10(3-4): 2	279-2	292.	-					
Das,	K. (2002). "Soci	ial Mobilization for Rehabilitation", Economic	and	Political W	eekly,					
Vol. 3	37(48): 4784-47	788.			-					
Amar	atunga, D. and l	Haigh, R. (2011). (eds) Post Disaster Reconstru	ictio	n of the Bu	ilt					
Envir	conment, Wiley-	-Blackwell.								
Berke, P. R. and Campanella, T.J. (2006). "Planning for Post Disaster Resiliency", The										
ANNALSof American Academy of Political and Social Science, Vol. 604:192										
	Chang, Y., Wilkinson, S., Brunsdon, D., Seville, E. And Potangaroa, R. (2011). "An									
_	integrated approach: managing resources for post-disaster reconstruction", Disasters, Vol.									
	35(4): 739-765. Pelling, M. And Dill, K. (2010). "Disaster politics: tipping points for change									
	adaptationof so	ciopolitical regimes", Progress in Human Geo	grap	phy, Vol. 3	4(1): 21-					
37.		62								
		Environmental Justice and Expert Knowledge	in th	e Wake of	a					
Disas	ter",Social Stud	ies of Science, Vol. 37(1): 103-110								

Online Resources

https://vikaspedia.in/social-welfare/disaster-management-1/policies-and-acts The Disaster Management Act, 2005

https://www.indiacode.nic.in/bitstream/123456789/2045/1/AAA2005 53.pdf

Disaster Management Plan

 $\underline{https://www.mca.gov.in/Ministry/pdf/DisasterManagementPlanMCA.pdf} The\ Law\ on\ Disaster\ Management}$

https://disasterlaw.ifrc.org/sites/default/files/media/disaster_law/2021-

03/DM%20Law%20Unofficial%20Translation.pdf

Compendium of Laws on Disaster Management

https://ndma.gov.in/sites/default/files/PDF/COMPENDIUM-OF-LAWS-ON-DISASTER-

MANAGEMENT.pdf

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create				
	Course Designed by: Dr. S. CHANDRAMOHAN								

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	L(1)	L(1)	L(1)	S (3)	M (2)	S (3)	M (2)	S (3)	L(1)	L(1)
CO2	M (2)	M (2)	L(1)	L (1)	L (1)	L(1)	S (3)	L(1)	M (2)	M (2)
CO3	L(1)	L(1)	S (3)	M (2)	M (2)	M (2)	L(1)	M (2)	L(1)	L(1)
CO4	L(1)	L(1)	M (2)	M (2)	L (1)	L (1)	M (2)	L(1)	L(1)	L(1)
CO5	S (3)	M (2)	S (3)	L (1)	L (1)	S (3)	L (1)	S (3)	M (2)	M (2)
W.AV	1.6	1.4	2	1.8	1.4	2	1.8	2	1.4	1.4

S-Strong (3), **M**-Medium (2), **L**-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M (2)	M (2)	L(1)	L(1)	M (2)
CO2	L(1)	S (3)	M (2)	M (2)	L(1)
CO3	M (2)	M (2)	S (3)	S (3)	M (2)
CO4	S (3)	L(1)	S (3)	S (3)	S (3)
CO5	L(1)	S (3)	L(1)	L(1)	L(1)
W.AV	1.8	2.2	2	2	1.8

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

			Semester – IV		
	Cours	se code:	DDACTICAL IN DISASTED DATA	Credits:	Hours:
Core		6 404	PROCESSING F	3	6
			Unit – I		·
Objec	tive 1	To fami	liarize the students with the basic concepts of con	nputer app	lications
			ter management		
			of computer applications in disaster managen		
			stical software packages, Overview of Arc-GIS: Ar	c-map, Arc	- catalog
			Coefficient of variation – Skewness		T7.5
Outco	ome 1		ts will be able to understand and apply descripting tial statistical techniques using Excel and SPSS	ve and	K5
		meren	• •		
		I	Unit – II		
			an understanding of complex processes in RS and		1.5
			etion and Input: Creation of Schema, Tables, Data I	Jefinition, a	nd Data
	me 2		Use of MS-office for data creation. s will know the different types of data inputs and	outnuts	K2
Oute	me 2	Student	Unit – III	outputs	K2
Ohied	tive 3	To lear	n the statistical processing in disaster managemen		
		1	correlation, multivariate statistical analysis, chi-sq		alveic
			e way ANOVA – Two-way ANOVA – Correlation -		
			nalysis – KMO Test	Simple En	icui
			end of the course, students will know about the	different	K4
			f data processing techniques		
			Unit – IV		
Objec	tive 4	To reco	gnize and jus <mark>ti</mark> fy t <mark>he</mark> i <mark>mpact</mark> s of <mark>di</mark> sasters with dif	ferent appl	ication
	~-~	tools			
			overview, Geo referencing Data: Coordinate	•	
		_	oje <mark>ction</mark> s, Typ <mark>es, Geodata</mark> base managem <mark>ent</mark> - Feati Pata, Spatial Data Formats, <mark>Sha</mark> pe/Coverage Files		
	es, map		ratia, Spatiai Data Polinais, Shape/Coverage Thes	s and Laye	18, Data
Outco			ts will also know the potential applications of	GIS	K2
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		g and modeling in disaster management	31 8	
Objec	tive 5		ride practical knowledge to understand the data in	nput and or	itput
Map pi	rocessin	g: Work	ing with Layers in Arc map: Building Templates, Cl	assification,	
			nd quantitative Values, Labeling Features and Map (
Outco	ome 5		ts would be able to know the fundamental conce	ept of	K4
~			and non-spatial data		
Suggest		O	O). Inter-denting to Community Information Contains	A	- C 41
	•	,	8): Introduction to Geographic Information System Hill, New York	is, Avenue	or the
			ems Research Institute, Inc. (1998): Understanding	GIS: The	
		•	l,ESRI Press, Redland	, 010. 1110	
			any (2002): Introduction to Global Positioning Syste	em, Artech F	House,
Bos	tonKres	sse,			
			2002): Springer Handbook of Geographic Informat		
			o, J., Tsui, Y. (2005): Fundamentals of Global Posi	itioning Sys	stem
			ley Sons, Inc., Hoboken	o Now Dell	hi
каја	ıraman,	v. (1996): Fundamentals of Computers, Prentice Hall of Indi	a, new Dell	111.

Online Resources

Disaster Risk Assessment for Project Preparation A Practical Guide. Asian Development Bank https://www.adb.org/sites/default/files/institutional-document/388451/drm-project-preparation-practicalguide.pdf

https://www.mha.gov.in/sites/default/files/2022-08/NPDM-101209%5B1%5D.pdf

 $\underline{https://globalplatform.undrr.org/conference-event/data-challenges-and-solutions-disaster-risk-management}$

World Bank's Climate and Disaster Risk Screening Tools

https://climatescreeningtools.worldbank.org/about-the-tools

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create
		(Course Design	ed by: Dr. S. O	Chandramohar

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	L (1)	M (2)	S (3)	M (2)	S (3)	M (2)	L(1)	L(1)	L(1)
CO2	L(1)	S (3)	L(1)	M (2)	L(1)	L(1)	S (3)	M (2)	M (2)	L(1)
CO3	M (2)	L (1)	S (3)	L(1)	M (2)	M (2)	L(1)	L(1)	L(1)	S (3)
CO4	M (2)	M (2)	M (2)	S (3)	L(1)	L(1)	M (2)	L(1)	L(1)	M (2)
CO5	L(1)	L (1)	L(1)	M (2)	L(1)	S (3)	L (1)	S (3)	M (2)	S (3)
W.AV	1.8	1.6	1.8	2.2	1.4	2	1.8	1.6	1.4	2

S-Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	M (2)	L (1)	M (2)	M (2)
CO2	L(1)	S (3)	M (2)	L(1)	S (3)
CO3	M (2)	L (1)	S (3)	M (2)	M (2)
CO4	M (2)	L (1)	S (3)	S (3)	L (1)
CO5	M (2)	S (3)	L(1)	L(1)	S (3)
W.AV	2	2	2	1.8	2.2

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Semester-IV								
Core	Course code: 646 999		PROJECT REPORT AND VIVA-VOCE		Credits: 4	Hours: 12		
Objective		,	To explore crucial issues in Disas and research skills so as recon			•		

Each student has to choose an issue relating to Banking / Insurance / Other Financial Institutions for the project work in consultation with the Teacher – Guide. The outcome of the research work has to be submitted in the form of a report in the specified format at the end of the final semester.

Evaluation Process:

Project reports are to be evaluated by an Industry expert / academician and the teacher guide for 75 marks each. The average of both the valuations will be the final mark. Every student has to face the viva- voce examination for which the Project Report will form the base. For the viva voce examination, the Board comprises of Industry expert / academician, the teacher guide and the Head of the Department. All the three join together have to evaluate the student for a maximum of 25 marks. The Head of the department shall be the ex-officio Chairman for the Viva Board.

101 1110 11110 20	
Outcome	Students will be able to produce a well-structured project report that addressesthe critical issues in Disaster.
	Course Designed by: Dr. S. Chandramohan



		G , II							
		Semester – II		Ta	1				
NME	Course code:	INTRODUCTION TO DISASTER	T	Credits:					
,		MANAGEMENT		2	3				
		Unit – I							
		tudents about various natural and manma							
		ty, Disaster; Disaster Management, Meani							
		Disaster Management, Disaster Manage			Nationa				
		ramework; financial arrangements for	Disas	ster man	agement				
Internationa		risaster reduction.			_				
Outcome	1 Students w	ill learn different disasters and measures t	o redi	uce the	K2				
	1 - 2 - 2	Unit – II			ı				
Objective	2 to teach th	e concept of Disaster management and me	asiire	2					
		ing and nature of natural disasters, their			ects				
		Flood, Flash flood, Drought, cloud burst, (• •						
		Avalanches, Volcanic eruptions, Mudf							
		surge, tidal waves, Heat and cold Wave							
		el rise, Ozone Depletion.	,, CI	illiance Ci	iange,				
Outcome		vill learn institutional frame work for dis	etor		K 4				
Outcome		ent at national as well as global level	isici		124				
	managem	Unit – III			1				
Objective	3 to measure	s taken at different stages of disaster manager	nent						
		BRN – Chemical disasters, biological di		radiolo	orical				
		rs, Fire – building fire, coal fire, forest fire							
		ents, air accidents, sea accidents, Pollutio							
		tion, deforestation, Industrial wastewater po							
Outcome		e teaches students elements of recovery pla		i, ucrorest	K4				
Outcome	5 This cours	Unit – IV	113		124				
Objective	4 to provide	nsight about global, national and regional lev	el sce	nario of d	isaster				
Objective	manageme		CI SCC.	nuito of u	isastei				
Disaster De		ors affecting damage – types, scale population	socia	al status, h	abitation				
		mate, Factors affecting mitigation measure							
		on, area and accessibility, population, physiol			_				
Outcome		nts will gain a better understanding of di			K2				
0 0200 0 1210		duringrecover	300000						
Objective		t the role of different rehabilitation organizati	ons		1				
		isk- preparedness and mitigation- Disaster m		ment cycl	e.				
		nd Resilience; Disaster Management Act and			,				
Outcome		f different organizations in rehabilitation			K5				
Outcome	to student		******	re taugnt					
Suggested	Readings								
Disaste	r Administratio	n and Management, Text & Case studies-	SL (Goel-Deep	and				
		ster Management- G.K Ghosh-A.P.H. Publi		-					
Disaste	r management -	- S.K. Singh, S.C. Kundu, Shobha Singh A	- 119,	William					
Publica	Publications, New Delhi. Disaster Management – Vinod K Sharma- IIPA, New								
Delhi, 1	1995.								
Encycle	opedia of Disast	er Management- Goel S.L Deep and Deep	Public	cations, Ne	ew				
Delhi,2	006.								

Online Resources

Satish Modh. Introduction to Disaster Management.

file:///C:/Users/vasan/Downloads/Disaster_Management_SatishModh_Chapter1.pdf Damon

Coppola. Introduction to International Disaster Management

https://www.kobo.com/in/en/ebook/introduction-to-international-disaster-management

Brenda Phillips, David M. Neal, Gary R. Webb Introduction to emergency management and disaster science https://discover.library.unt.edu/catalog/b7529005

Duncan Ochieng. Introduction to Disaster Management.

https://www.researchgate.net/publication/339310962 Introduction to Disaster Management#f ullTextFil eContent

Arun Kumar, E. Disaster Management.

https://stsreader.cloudpub.in/?url & type=pdf

Rajnish Ranjan. Issues and Challenges in Disaster Management

https://ebooks.inflibnet.ac.in/geop15/chapter/issues-and-challenges-in-disaster-management/

Jack Pinkowski. Disaster Management Handbook

https://libguides.cbu.ca/emergencymanagement

K1-Remember	K2-Understand	K3-Apply	K4-Analyze	K5-Evaluate	K6-Create			
Course Designed by: Dr. S. Chandramohan								

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	L(1)	M (2)	S (3)	M (2)	S (3)	M (2)	L(1)	L(1)	L(1)
CO2	L(1)	S (3)	L(1)	M (2)	L(1)	L (1)	S (3)	M (2)	M (2)	L(1)
CO3	M (2)	L(1)	S (3)	L (1)	M (2)	M (2)	L(1)	L(1)	L(1)	S (3)
CO4	M (2)	M (2)	M (2)	S (3)	L(1)	L (1)	M (2)	L(1)	L(1)	M (2)
CO5	L(1)	L (1)	L(1)	M (2)	L(1)	S (3)	L(1)	S (3)	M (2)	S (3)
W.AV	1.8	1.6	1.8	2.2	1.4	2	1.8	1.6	1.4	2

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low**(1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	M (2)	L(1)	M (2)	M (2)
CO2	L (1)	S (3)	M (2)	L(1)	S (3)
CO3	M (2)	L (1)	S (3)	M (2)	M (2)
CO4	M (2)	L (1)	S (3)	S (3)	L(1)
CO5	M (2)	S (3)	L(1)	L(1)	S (3)
W.AV	2	2	2	1.8	2.2

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

		S						
		Semester – III	1	G 114	**			
NME	Course code:	CLIMATE CHANGE AND SOCIETY	T	Credits: 2	Hours:			
		Unit – I						
Objective		students learn and explore the basic conce act on society	epts o	f climate	change			
Global clim	ate change trend	ls and impacts: Climate change basics, Meani	ing of	adaptatio	n to			
climate char	nge- Observed a	and potential impacts of climate change- Vul	lnerat	oility: Fro	m			
hazardous e	environments to	man-made disasters. Extreme weather and cli	mate	events and	l their			
health impac	ets							
Outcome	1 Students w	ill gain insight into the basic concept of dis	asters	5.	K5			
		Unit – II						
Objective	2 to understa	nd climate change and society and apply the	hem i	n the con	text of			
		tigation and management						
Climate ch	ange, environm	ental conflicts, and societal stability. Adap	otation	n at the				
internationa	al level - Gover	nance and policies for adaptation - Integrating	g adaj	otation into	0			
developmen	t planning - Mo	ving ahead on adaptation in India. Mitigation	and l	nealth co-l	penefits			
Outcome		ill learn disaster risk and vulnerability at d						
	<u> </u>	Unit – III			•			
Objective	3 To determi	ne the relief needs during a disaster and pl	an fo	r their de	livery			
Adaptation		Climate change in agriculture sectors -Govern						
adaptation i	n agriculture-Ac	aptation options in agriculture - Linking adap	otation	and miti	gation			
Outcome		resources and mobilizing them was a skill t			K4			
	grasped							
	10 1	Unit – IV			I.			
Objective	4 To determin	e the reli <mark>ef needs during a disaster and plan f</mark>	or the	eir delivery	y			
		rces: Impact of climate change in water reso		-				
		es management- Governance and policies for						
		ptation options in water resources manageme						
and mitigati	on			_	-			
Outcome	4 Students w	ill gain knowledge about comprehending			K2			
		ntal analysis						
Objective	5	•						
•		pastal zones- The meaning of adaptation in co	oastal	zones-				
		adaptation in coastal zones- Adaptation option			ones.			
	ptation and miti	<u>.</u>						
Outcome	5 Students w	ill be able to understand climate change a	nd so	ciety	K4			
		them in the context of disaster mitigation a		•				
	manageme	_						
Suggested 1	Readings							
Certo, S	C. and Certo, T	7. 2011. Modern Management, 12th Edition, I	Prenti	ce				
Hall.De	George, R. 201	1.Business Ethics, 7th Edition, Pearson.						
Govindarajan M., and Natarajan S. 2009. Principles of Management, PHI Learning								
Pvt. Ltd., Griffin, R. W. 2012. Management, 11th Edition, South-Western College								
Publicat								
		ch, H. 2009. Essentials of Management: An	Interi	national				
_		, Tata McGraw Hill Education Private Ltd.,						
		rinciples of Management, 2nd Edition, Tata						
Education	on Pvt.Ltd.,Rol	obins, S and Coulter ₆₉ 2011. Management, Pro	entice	Hall, Jan	uary			
2011.	horn ID 2012	Management 11th Edition Wiley						
Schiner	110111, J.K. 2012.	Management, 11th Edition, Wiley.						

Schmidtz, D. and Willott, E. 2011. Environmental Ethics, Oxford University Press.

Online Resources

Palmer Owyoung. Solving the Climate Crisis - A Community Guide to Solving the Biggest Problem on the Planet. https://www.everand.com/book/663798975/Solving-the-Climate-Crisis-A-Community-Guide-to-Solving-the-Biggest-Problem-On-the-Planet

Nicolae Sfetcu. Climate Change: Global Warming.

https://www.everand.com/book/387419783/Climate-Change-Global-

Warming

US Global Change Research Program. Impacts of Climate Change on Human Health in the United States: A Scientific Assessment.

https://www.everand.com/book/396762070/Impacts-of-Climate-Change-on-Human-

Health-in-the- United-States-A-Scientific-Assessment

R. R. Kelkar. Climate Change: A Holistic View.

https://www.everand.com/book/453507854/Climate-Change-A-

Holistic-View

Trevor Letcher. The Impacts of Climate Change: A Comprehensive Study of Physical, Biophysical, Social, and Political Issues. https://www.everand.com/book/507472370/The-

Impacts-of-Climate-Change-A- Comprehensive-Study-of-Physical-Biophysical-Social-and-Political-Issues

Subhash Sharma, Kshipra Sharma. Environment and Society Climate Change and Sustainable Development. https://www.routledge.com/Environment-and-Society-Climate-Change-and-

Sustainable- Development/Sharma-Sharma/p/book/9781032372808

Vladimir Jankovic. Climate Change and Society

file:///C:/Users/vasan/Downloads/Climate Change and Society p

df.pdf The Discovery of Global Warming.

https://www.aip.org/history/climate/bib.htm

K1-Remember	K2-Understand	K3-Apply K4-Analyz		K5-Evaluate	K6-Create
			Course Design	g <mark>ned</mark> by: Dr. S. (Chandramohan

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S (3)	L(1)	M (2)	S (3)	M (2)	S (3)	M (2)	L(1)	L (1)	L(1)
CO2	L(1)	S (3)	L(1)	M (2)	L(1)	L (1)	S (3)	M (2)	M (2)	L(1)
CO3	M (2)	L(1)	S (3)	L(1)	M (2)	M (2)	L (1)	L(1)	L (1)	S (3)
CO4	M (2)	M (2)	M (2)	S (3)	L(1)	L (1)	M (2)	L(1)	L (1)	M (2)
CO5	L(1)	L(1)	L(1)	M (2)	L(1)	S (3)	L (1)	S (3)	M (2)	S (3)
W.AV	1.8	1.6	1.8	2.2	1.4	2	1.8	1.6	1.4	2

S –**Strong** (3), **M**-**Medium** (2), **L**-**Low** (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S (3)	M (2)	L (1)	M (2)	M (2)
CO2	L (1)	S (3)	M (2)	L(1)	S (3)
CO3	M (2)	L (1)	S (3)	M (2)	M (2)
CO4	M (2)	L (1)	S (3)	S (3)	L (1)
CO5	M (2)	S (3)	L (1)	L(1)	S (3)
W.AV	2	2	2	1.8	2.2

S –Strong (3), M-Medium (2), L- Low (1)





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