

### SRK INSTITUTE OF TECHNOLOGY

Enikepadu, Vijayawada 521108

Approved by AICTE, Affiliated to JNTUK, Kakinada

(ISO9001:2015 Certified Institution)

Department of Information Technology

### TENTATIVE LESSON PLAN: R194201M DISASTER MANAGE MENT

Course Title: DIS	ASTER MANAGEMENT(R194201M)		
Section : Sec A	Date:05-12-2022	Page No:	01 of 03
Revision No: 00	Prepared By :B.SAIKUMAR REDDY	Approved	By: HOD
Tools: Black board,	PPTs, Model		

No. of TOPIC Date Mode of delivery

### UNIT-I NATURAL HAZARDS AND DISASTER MANAGEMENT

CO1: The student will be able to Affirm the usefulness of integrating management principles in disaster mitigation work.

T1: An Introduction of Disaster Management- Natural Disasters & Vulnerable Hazards-S.Vaidyanathan: CBS Punblishers& Distributors Pvt. Ltd

T2: Natural Hazards & Disaster Management, Vulnerability and Mitigation by RB Singh-Rawat Publications

1	Introduction of DM		
2	Inter disciplinary nature of the subject		
3	Disaster Management cycle		
4	Five priorities for action		
5	Case study methods-Introduction		
6	Case study on Vegetal Cover floods		Lecture interspersed with discussions ppt
7	Case study on Droughts	400000	
8	Case study on earthquakes	From:	
9	Case study on Landslides	5-12-2022	
10	Case study on Global warming	To: 22-12-2022	
11	Case study on Cyclones	22.12.2022	
12	Case study on Tsunamis		
13	Post Tsunami hazards along the Indian coast		
14	Hazards along Indian coast		
15	Tutorial on disaster management cycle		

## UNIT -II MAN MADE DISASTER AND THEIR MANAGEMENT ALONG WITH CASE STUDY METHODS OF THE FOLLOWING

CO2: The student will be able Distinguish between the different approaches needed to manage pre-during and post-disaster periods

T1: An Introduction of Disaster Management- Natural Disasters & Vulnerable Hazards-S.Vaidvanathan: CBS Punblishers& Distributors Pvt. Ltd

T2:Natural Hazards & Disaster Management, Vulnerability and Mitigation by RB Singh-Rawat Publications

16	Man Made Disaster		Lecture interspersed with discussions ppt
17	Fire hazards		
18	Transport hazard dynamics		
19	Solid waste management	From:	
20	Management- post disaster	23-12-2022	
21	Bioterrorism	To:	
22	Threat in mega cities	30-01-2023	
23	Rail accidents	45 Sweet H-12 2000 Au	
24	Aircraft accidents		
25	Ground water in industries		
26	Emerging infectious diseases		
27	Aids and their management		
28	Management of diseases	2	
29	Case studies		
30	Tutorial on bio terrorism		

#### UNIT -III RISK AND VULNERABILITY

CO3:The student will be able to explain the process of risk management

T1: An Introduction of Disaster Management- Natural Disasters & Vulnerable Hazards-S.Vaidyanathan: CBS Punblishers& Distributors Pvt. Ltd

T2:Natural Hazards & Disaster Management, Vulnerability and Mitigation by RB Singh-Rawat Publications

31	Risk		Lecture interspersed with discussions ppt
32	Vulnerability		
33	Building codes	THE PARTY OF THE PARTY OF	
34	Land use planning		
35	Types of Vulnerability	From:	
36	Social Vulnerability	30-01-2023	
37	Environmental vulnerability	To:	
38	Risk-types	27-02-2023	
39	Elements of risk		
40	Factors affecting vulnerability		
41	Elements of vulnerability		
42	Tutorial on types of vulnerability		

### UNIT - IV ROLE OF TECHNOLOGY IN DISASTER MANAGEMENTS

CO4: The student will be able to learn the role of technology in disaster management.

T1: An Introduction of Disaster Management- Natural Disasters & Vulnerable Hazards-S.Vaidyanathan: CBS Punblishers& Distributors Pvt. Ltd

T2:Natural Hazards & Disaster Management, Vulnerability and Mitigation by RB Singh-Rawat Publications

43	Disaster management for infra structures	
44	Taxonomy of infra structure	24.8.17
45	Treatment plants and process facilities	
46	Electrical substations Roads and bridges	Lecture
47	Mitigation programme for earth quakes	interspersed

48	Flowchart, geospatial information in agriculture drought assessment	From: 27-02-2023 To: 16-03-2023	with discussions ppt
49	Multimedia Technology in disaster risk management training		
50	Training		
51	Transformable Indigenous Knowledge		
52	Disaster risk reduction		
53	Role of RS		
54	Role of GIS		
55	Tutorial on Role of RS& GIS		

## UNIT -V MULTI-SECTIONAL ISSUES, EDUCATION AND COMMUNITY PREPAREDNESS

CO5: The student will be able to relate to risk transfer

T1: An Introduction of Disaster Management- Natural Disasters & Vulnerable Hazards-S.Vaidyanathan: CBS Publishers& Distributors Pvt, Ltd

T2:Natural Hazards & Disaster Management, Vulnerability and Mitigation by RB Singh-Rawat Publications

56	Multi-sectional Issues, Education and Community Preparedness-Impact of disaster on poverty and deprivation		91
57	Climate change adaptation and human health		
58	Exposure Health hazards and environmental risk		
59	Forest management and disaster risk reduction		Lecture interspersed with discussions ppt
60	The Red cross and red crescent movement		
61	Corporate sector and disaster risk reduction	From:	
62	Education in disaster risk reduction	17-03-2023	
63	Essentials of school disaster education	To: 25-03-2023	
64	Community capacity and disaster resilience	23-03-2023	
65	Community based disaster recovery		
66	Community based disaster management		
67	social capital, Designing resilience		
68	Building community capacity for action Tutorial		

Signature of the Faculty

		TENTATIVE LESSON PLAN: F	<b>(203</b> )			7 1
		TENTATIVE LESS			•	-11
		TENTA	-	A.Y:2022-2 Approved	HOD	-
		Date: 04/01/23  Date: 04/01/23  Output  Date: 04/01/23	-	Approved	bde of Deliver	1
	-	ine Learning (RZ			de of De	-
Title	Mach	Date: 04/01/23 Date: 04/01/23 G.SRILAKSHMI	Date	1		1
	11-11	Date : G.SRIL				
N	0 - 00 _	Date: 04/01/23 Prepared By: G.SRILAKSHMI TOPIC		ewstem		1
on		ming Machine	Learnin	ug sy	- mailly	1
01		Statistical Learning of the concept Machine	EXPER	and Edition	"O. Kemi	-
005	Introd	TOPIC  uction, Statistical Learning e fundamental usage of the concept Machine to the fundamental usage of the fundamen	orFlow	, 2110		-
Ex	plain the	e fundamente				
t Boo	ks:	Learning with Scikit	T			
	Con Mass	Illinia	4			
blicati	ions, 201	9 Artificial Intelligence	1			
Direct	Intro	duction to - Artificial Intelligence  duction to - Machine Learning, Deep learning	:			
	Intro	duction to - Artificial Intelligence  oduction to - Machine Learning, Deep learning  oduction to - Machine Learning, Machine  oduction to - Machine Learning, Deep learning				, poTe
				From:	On board a	nd PP 13
,				9/01/23		
_	TV	pes of white bearing Learning				
4	M	ain Challenges of tietical Learning	7	To:		
5	In	ain Challenges of Machine Barning troduction to Statistical Learning	-	04/02/23	100	
6	- 10	marrised and Unsuper				
7	- 0	raining and Test Loss	-			
8			_			
9	-	Estimating Risk Statistics Estimating Risk Statistics	_		le le	
10	-	Estimating Risk Statistics Sampling distribution of an estimator Sampling distribution of an estimator				
11		Sampling distribution Empirical Risk Minimization				
12						
13		t-ad Learning				
C	O2: Der	monstrate on the	ras, an	d TensorFlo	ow, 2nd Edition	on, O'Reil
- 1	I. Hand	ions, 2019				
1	ublicati	Basic Methods: Distance based Methods	-			
	14	Dasic Melabhours				
_	15	Nearest Neighbours				
	16	Decision Trees				
+		Se to Bayes	-	From:		and and I
1	17	Linear Models; Linear Regression	_	06/02/2		oard and F
	18	- taia Dagression				
	19	C - sealized Linear Models		To:		
	20	Support Vector Machines		22/02/2	13	
	21	Binary Classification		1		
	22	Multiclass/Structured outputs				
	23	Multiclass/Structured		1		
	-					
	24	MNIST		1		

Ranking

Tutorial

25

26

## UNIT-III: Ensemble Learning and Random Forests, Support Vector Machine

alyze the Ensemble Learning Methods

DK:

 Hamus-On Machine Learning with Scikit-Learn, Keras, and TensorFlow, 2nd Edition, O'Reilly Publications, 2019

27	Introduction to Ensemble Learning and Random Forests		
28	Voting Classifiers		
29	Bagging and Pasting	From:	
30	Random Forests	23/02/23	On board and PPTs
31	Boosting		
32	Stacking		
33	Support Vector Machine: Linear SVM Classification	To: 25/03/23	
34	Nonlinear SVM Classification		
35	SVM Regression		Service of the servic
36	Naïve Bayes Classifiers		
37	Tutorial		

### UNIT-IV: Unsupervised Learning Techniques

CO4: Illustrate the Clustering Techniques and Dimensionality Reduction Models in Machine Learning

### Text Books:

 Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow, 2nd Edition, O'Reilly Publications, 2019

38	Unconstitud Lauria - Taskaia - Chataia -		
	Unsupervised Learning Techniques: Clustering		San Halleton Co.
39	K-Means, Limits of K-Means		
40	Clustering for Image Segmentation		132
41	Clustering for Preprocessing	From: On 27/03/23  To: 18/04/23	JES SELOVE
42	Clustering for Semi-Supervised Learning		On board and PPTs
43	DBSCAN		
44	Gaussian Mixtures		
45	Dimensionality Reduction: The Curse of Dimensionality		
46	PCA		
47	Using Scikit-Learn		
48	Randomized PCA		
49	Kernel PCA		
50	Tutorial		

### UNIT-V: Neural Networks and Deep Learning

## CO 5: Discuss the Neural Network Models and Fundamentals concepts of Deep Learning Text Books:

 Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow, 2nd Edition, O'Reilly Publications, 2019

51	Introduction to Artificial Neural Networks with Keras	
52	Biological Neurons, Logical Computations with Neurons	

53	The Perceptron		
1	Multilayer Perceptron and Backpropagation		100000
55	Regression , Classification MLPs		The state of
56	Implementing MLPs with Keras: Installing TensorFlow		On board and PPTs
57	Building an Image Classifier Using the Sequential API		
58	Building a Regression MLP Using the Sequential API		
59	Building Complex Models Using the Functional API	From: 19/04/23	
60	Using the Subclassing API to Build Dynamic Models, Saving and Restoring a Model	To: 06/05/23	
61	Using Callbacks		
52	Using TensorBoard for Visualization		
63	Loading and Preprocessing Data with TensorFlow		
64	The Data API, The TFRecord Format		No. 11 gaze
55	Preprocessing the Input Features, TF Transform		
56	Tutorial		

Signature of the Faculty



## SRK INSTITUTE OF TECHNOLOGY, ENIKEPADU, VIJAYAWADA -521108 Approved by AICTE, Affiliated to JNTUK, Kakinada ISO 9001:2015 Certified Institution

### Accredited with NAAC 'A' grade DEPARTMENT OF INFORMATION TECHNOLOGY

### TENTATIVE LESSON PLAN

Course/Code: cryptography and network security / R2032053

A.Y: 2022-23 Year / Semester: III/II Section: I

No. of Periods	TOPIC	Date	Mode of Delivery
CO1 :Exp	Basic Principles  plain different security threats and co phy mathematics, graphy and Network security, 3 <sup>rd</sup> edition B  lill,2015.		
1	UNIT:I Introduction	EL MANAGE	
2	Security Goals		Les Williams
3	Cryptographic Attacks		
4	Security Services		
5	Security Mechanisms		
6	Cryptography Techniques	From:09.01.2023	Lecture interspersed
7	Integer Arithmetic	To: 02.02.2023	with discussions
	Modular Arithmetic		
8,9,10	congruence		12 2 4
1278	Operation on Z <sub>N</sub>		
11,12	Matrices		
13	Linear congruence		
14	Tutorial		I I Z Z Z Z

## UNIT-II Symmetric Encryption

CO2: Classify the basic principles of symmetric key algorithms and operations of some symmetric key algorithms and asymmetric key cryptography.

TB: Cryptography and Network security, 3rd edition Behrouz A Forouzan, Deb deep Mukhopadhyay, McGraw Hill,2015...

15	UNIT:IIMathematics of Symmetric Key Cryptography	From:03.02.2023	Lecture interspersed
16	Algebraic Structure	To: 25.02.2023	with discussions

17	GF Fields		
18	Introduction to Modern Symmetric Key Ciphers		
19	Modern Block Ciphers		
20	Tutorial class		
21	Modern Stream Ciphers		
22	Introduction Data Encryption Standard		
23	DES Structure		
24	DES Analysis		
25	Multiple DES, Security of DES		
26	Advanced Encryption Standard		
27	Transformations		
28	Key Expansion		
29	Example Ciphers, Analysis of AES		
30	Tutorial	_	

## UNIT-III: Asymmetric Encryption

CO 3:Revise the basic principles of public key algorithms and working operations of some Asymmetric key algorithms such as RSA,ECC and some more.

TB: Cryptography and Network security, 3<sup>rd</sup> edition Behrouz A Forouzan, Deb deep Mukhopadhyay, McGraw Hill,2015.

31	UNIT-III Mathematics of Asymmetric Key Cryptography: PRIMES		
32	Primality Testing	= 1,	(S. September
33	Factorization		- 10.70a
34	Chinese Remainder Theorem	From:27.02.2023	
35	Quadratic Congruence	То: 23.03.2023	Lecture interspersed with discussions
36	Introduction to Asymmetric Encryption		
37	RSA Cryptosystem		
38	RABIN Cryptosystem		
39	ELGAMAL Cryptosystem		
40	ELLIPTIC CURVE Cryptosystem		-
41	Tutorial		

## UNIT 4: Data Integrity, Digital Signature Schemes & Key Management

CO4: Design applications of hash algorithms, digital signatures and key management techniques.

TB: Cryptography and Network security, 3<sup>rd</sup> edition Behrouz A Forouzan, Deb deep Mukhopadhyay, McGraw Hill,2015

42	UNIT:IVMessage Integrity		
43	Random Orcale Model	From:24.03.2023 To: 12.04.2023	Lecture interspersed with discussions
44	Message Authentication		

45	Cryptography Hash F unctions		
46	SHA-512,WHIRLPOOL		34.82
47	Key Management		1 1 1 1 1 1 1 1 1 1
48	kerberos		- 31 P 37
49	Symmetric key Agreement		100
50	Public key Distribution	150	
51	Tutorial		

UNIT 5: Network Security- I, Network Security- II,

CO5:Determine the knowledge of Application layer, Transport layer and network layer security protocols such as PGP, S/MIME,SSL,TSL, and IPsec.

TB: Cryptography and Network security, 3<sup>rd</sup> edition Behrouz A Forouzan, Deb deep

Mukhopadhyay, McGraw Hill,2015

52	UNIT-V: Network Security-I Security at application layer		
53	E-mail		000000000000000000000000000000000000000
54	PGP		The Vol. 1994
55	S-MIME		a later was
56	Security at the Network Layer		1845 57 18
57	Two security protocols		
58	Security Associations		
59	Security Policy	F13 04 2023	
60	Internet Key Exchange (IKE)	From:13.04.2023	Lecture interspersed
61	ISAKMP	To: 06.05.2023	with discussions
62	SSL		CONTRACTOR CONTRACTOR
63	TSL		TELLISON III
64	IP Security Architecture		A STREET OF
65	IPSec services.		nt desa. U
66	INTRUDERS		
67	Statistical Anomaly Detection		
68	Distributed Intrusion Detection		
69	Honeypots		
70	System Security		
71	Tutorial		

### TENTATIVE PLAN:R2022121

TOPIC

Course Title: STA	TISTICS WITH R	
Section : IT	Date: 28/02/22	AY:2021-22
Revision No : 00	Prepared By : G D K KISHORE	Approved By : HOD

Mode of Delivery

Date

Periods	10 and 10	1.000	Commission of the Commission o
	Introduction t motivation for learning R programm Art of R Programming, Norman Mat		
1,2	How to run R	28/2/22, 2/3/22	
3	R Sessions and Functions	3/3/22	
4	Basic Math	4/3/22	
5	Variables	5/3/22	
6	Data Types	7/3/22	
7	Vectors, Conclusion	8/3/22	Lecture interspersed
8	Advanced Data Structures	9/3/22	with discussions
9	Data Frames	10/3/22	
10	Lists, Matrices	11/3/22	P. Larry
11	Tutorial	14/3/22	444
12	Arrays	15/3/22	
13.14	Classes	16/3/22, 17/3/22	The second

UNIT -II: R Programming Structures

No. of

CO2: Access online resources for R and import new function packages into the R workspace and manipulating data.

15,16	Art of R Programming, Norman Matloff, Cenga Control Statements	19/3/22, 21/3/22	A PARTY AND
17,18	Loops, Looping Over Nonvector Sets	22/3/22, 23/3/22	
19,20	If-Else, Arithmetic and Boolean Operators and values	24/3/22, 25/3/22	
21	Default Values for Argument Return Values	26/3/22	
22,23	Deciding Whether to explicitly call return- Returning Complex Objects, Functions are Objective	28/3/22, 29/3/22	Lecture interspersed with discussions
24	No Pointers in R	30/3/22	
25	Recursion	31/3/22	
26,27	A Quicksort Implementation	1/4/22, 4/4/22	
28,29	Extended Extended Example: A Binary Search Tree.	5/4/22, 6/4/22	

UNIT -III: Doing Math and Simulation in R

CO3: Import, review, manipulate and summarize data-sets in R
TB: The Art of R Programming, Norman Matloff, Cengage Learning

30	Math Function	11/4/22	
31	Extended Example Calculating Probability- Cumulative Sums and Products-Minima and Maxima- Calculus	26/4/22	Lecture interspersed with discussions
32	Functions For Statistical Distribution	27/4/22	
33	Sorting	30/4/22	

34	Linear Algebra Operation on Vectors and Matrices	2/5/22
35	Extended Example: Vector cross Product	4/5/22
36	Extended Example: Finding Stationary Distribution of Markov Chains	7/5/22
37	Set Operation	9/5/22
38	Input /out put	10/5/22
39,40	Accessing the Keyboard and Monitor, Reading and writer Files	11/5/22, 12/4/22

UNIT -IV: Graphics

CO4: Explore data-sets to create testable hypotheses and identify appropriate statistical tests

TB: R for Everyone, Lander, Pearson

No. of Periods	TOPIC	Date	Mode of Delivery
41	Creating Graphs, The Workhorse of R Base Graphics	13/4/22	
42	Tutorial	16/4/22	
43	the plot() Function	25/4/22	
44	Tutorial	26/4/22	
45,46	Customizing Graphs	27/4/22, 28/4/22	
47,48	Saving Graphs to Files	29/4/22, 30/4/22	
49,50	Normal Distribution	2/5/22, 4/5/22	
51	Binomial Distribution	7/5/22	Lecture interspersed with discussions
52	Poisson Distributions	9/5/22	with discussions
53	Other Distribution	11/5/22	41.0
54,55	Basic Statistics	12/5/22, 13/5/22	1
56,57	Correlation and Covariance	14/5/22,16/5/22	
58,59	ANOVA, T-Tests	17/5/22, 18/5/22	

UNIT -V: Probability Distributions

CO5: Perform appropriate statistical tests using R, Create and edit visualizations with R TB: R for Everyone, Lander, Pearson

60,61	Linear Models :Simple Linear Regression	19/5/22, 20/5/22	
62,63	Multiple Regression Generalized Linear Models	21/5/22,23/5/22	
64,65	Tutorial	24/5/22,25/5/22	
66,67	Logistic Regression	26/5/22,27/5/22	
68,69	Poisson Regression	28/5/22, 30/5/22	Le
70,71	other Generalized Linear Models	31/5/22,1/6/22	v
72,73	Survival Analysis	2/6/22,3/6/22	
74,75	Nonlinear Models	4/6/22,6/6/22	
76,77	Splines	7/6/22,8/6/22	
78,79	Decision- Random Forests	9/6/22,10/6/22	

cture interspersed with discussions

Signature of the Faculty



### SRK INSTITUTE OF TECHNOLOGY

Enikepadu, Vijayawada 521108 Approved by AICTE, Affiliated to JNTUK, Kakinada (ISO9001:2015 Certified Institution) Department of Information Technology

### TENTATIVE LESSON PLAN: R203201G DISASTER MANAGE MENT

B N 01 . 603
Page No: 01 of 03
Approved By : HOD

No. of TOPIC Date Mode of delivery

#### UNIT-I NATURAL HAZARDS AND DISASTER MANAGEMENT

CO1: The student will be able to Affirm the usefulness of integrating management principles in disaster mitigation work.

T1: An Introduction of Disaster Management- Natural Disasters & Vulnerable Hazards-S.Vaidyanathan: CBS Punblishers& Distributors Pvt. Ltd

T2: Natural Hazards & Disaster Management, Vulnerability and Mitigation by RB Singh-Rawat Publications

1	Introduction of DM		
2	Inter disciplinary nature of the subject		
3	Disaster Management cycle	- 7 - 1	F 150 5
4	Five priorities for action		
5	Case study methods-Introduction		
6	Case study on Vegetal Cover floods		64 CO
7	Case study on Droughts	From:	Lecture interspersed with discussions ppt
8	Case study on earthquakes	9-01-2023	
9	Case study on Landslides	To:	
10	Case study on Global warming	3-02-2023	
11	Case study on Cyclones		
12	Case study on Tsunamis		
13	Post Tsunami hazards along the Indian coast		
14	Hazards along Indian coast		
15	Tutorial on disaster management cycle		
	The state of the s		

## UNIT -II MAN MADE DISASTER AND THEIR MANAGEMENT ALONG WITH CASE STUDY METHODS OF THE FOLLOWING

CO2: The student will be able Distinguish between the different approaches needed to manage pre-during and post-disaster periods

TI: An Introduction of Disaster Management- Natural Disasters & Vulnerable Hazards-S.Vaidyanathan: CBS Punblishers& Distributors Pvt. Ltd

T2:Natural Hazards & Disaster Management, Vulnerability and Mitigation by RB Singh-Rawat Publications

16	Man Made Disaster		
17	Fire hazards		17.78
18	Transport hazard dynamics		
19	Solid waste management		Landa San
20	Management- post disaster	From:	Lecture
21	Bioterrorism	4-02-2023	interspersed
22	Threat in mega cities	To:	with discussions ppt
23	Rail accidents	4-03-2023	
24	Aircraft accidents		
25	Ground water in industries		
26	Emerging infectious diseases		
27	Aids and their management		
28	Management of diseases		
29	Case studies		
30	Tutorial on bio terrorism		

#### UNIT -III RISK AND VULNERABILITY

CO3:The student will be able to explain the process of risk management

TI: An Introduction of Disaster Management- Natural Disasters & Vulnerable Hazards-S.Vaidyanathan: CBS Punblishers& Distributors Pvt. Ltd

T2:Natural Hazards & Disaster Management, Vulnerability and Mitigation by RB Singh-Rawat Publications

31	Risk		Lecture interspersed with discussions ppt
32	Vulnerability		
33	Building codes	C- Carlo	
34	Land use planning		
35	Types of Vulnerability	From:	
36	Social Vulnerability	4-03-2023	
37	Environmental vulnerability	To: 17-04-2023	
38	Risk-types		
39	Elements of risk		
40	Factors affecting vulnerability		
41	Elements of vulnerability Tutorial on types of vulnerability		

### UNIT - IV ROLE OF TECHNOLOGY IN DISASTER MANAGEMENTS

CO4: The student will be able to learn the role of technology in disaster management.

T1: An Introduction of Disaster Management- Natural Disasters & Vulnerable Hazards-S.Vaidyanathan: CBS Punblishers& Distributors Pvt. Ltd

T2:Natural Hazards & Disaster Management, Vulnerability and Mitigation by RB Singh-Rawat Publications

42	Disaster management for infra structures	
43	Taxonomy of infra structure	
44	Treatment plants and process facilities	1 25 1 1
45	Electrical substations Roads and bridges	Lecture
46	Mitigation programme for earth quakes	interspersed

47	Flowchart, geospatial information in agriculture drought assessment	From: 20-04-2023	with discussions
48	Multimedia Technology in disaster risk management training	To: 2-05-2023	ppt
49	Training, Transformable Indigenous Knowledge		
50	Disaster risk reduction		
51	Role of RS , Role of GIS		
52	Tutorial on Role of RS& GIS		

## UNIT -V MULTI-SECTIONAL ISSUES, EDUCATION AND COMMUNITY PREPAREDNESS

CO5: The student will be able to relate to risk transfer

T1: An Introduction of Disaster Management- Natural Disasters & Vulnerable Hazards-S,Vaidyanathan: CBS Publishers& Distributors Pvt. Ltd

T2:Natural Hazards & Disaster Management, Vulnerability and Mitigation by RB Singh-Rawat Publications

53	Multi-sectional Issues, Education and Community Preparedness- Impact of disaster on poverty and deprivation		
54	Climate change adaptation and human health		Lecture interspersed with discussions ppt
55	Exposure Health hazards and environmental risk	From:	
56	Forest management and disaster risk reduction	3-05-2023	
57	Corporate sector and disaster risk reduction	To: 6-05-2023	
58	Community capacity and disaster resilience		
59	social capital, Designing resilience		
60	Essentials of school disaster education		
61	Building community capacity for action Tutorial		

Signature of the Faculty

## TENTATIVE LESSON PLAN: R194205D

Section	: IV-II	Date: 05.12.2022		A.	Y:2022-23	
Revision	No:00	Prepared By : G.SRILAKSHM	MI		Approved By : HOD	
No. of		TOPIC	Date		Mode of Delivery	
Periods UNIT-I						
payment Text Boo 1) Amba Wiley	and fundin oks: das, Arshad	the foundation of the Block chain tec ig Sarfarz Ariff, Sham "Blockchain fo npoulos, "Mastering Bitcoin: Program	r Enterprise Appl	icati	on Developers",	
1		ion, Scenarios				
2	Challenge	es Articulated				
3		in Characteristics				
4	Opportun	ities Using Blockehain				
5		f Blockchain				
6	Evolution	of Computer Applications	From:			
7	Centraliz	ed Applications	5-12-20	22		
8	Decentral	lized Applications	To:	77		
9		Blockchain Evolution	3-1-202	3		
10	Consortia		3-1-202	1		
11	Forks	and the second second	1 - 12 - 1	7-11		
12		ockchain Environments				
13		Players in Blockchain Ecosystem				
14	Players in	Market				
15	Tutorial	ain Concepts				
CO2: Ide Text Boo 1) Amba	entify the rioks: das, Arshad as M. Antor	Sarfarz Ariff, Sham "Blockchain for appoulos, "Mastering Bitcoin: Program ion, Changing of Blocks	Enterprise Appl	icatio	on Developers",Wiley kchain", O'Reilly	
17		Merkle-Tree, Consensus				
18	110000000000000000000000000000000000000	nd Finalizing Blocks	-		12	
19		aka tokens			F	
20			From:			
21		on block chain age on block chain, wallets	4-1-2023		On board and PPTs	
22		block chain: smart contracts	To			
23	The second second second	er network	To: 19-1-2023			
24	The state of the s	lock chain nodes	13-1-2023			
25		iated with block chain solutions				
26	lifa evela	of blockchain transaction.				
7.00			_			

## UNIT-III: Architecting Blockchain solutions

CO3: Review of legal implications using smart contracts

### TEXT BOOK:

Ambadas, Arshad Sarfarz Ariff, Sham "Blockchain for Enterprise Application Developers", Wiley

2) Andreas M. Antonpoulos, "Mastering Bitcoin: Programming the Open Blockchain", O'Reilly

28	Introduction to Architecting Blockchain solutions		T
29	Obstacles for Use of Blockchain		
30	Blockchain Relevance Evaluation Framework		
31	Blockchain Solutions Reference Architecture		
32	Types of Blockchain Applications	From:	
33	Cryptographic Tokens	21-1-2023	On board and PPTs
34	Typical Solution Architecture for Enterprise Use Cases		
35	Types of Blockchain Solutions	To:	
36	Architecture Considerations with Blockchain Platforms	13-2-2023	
37	Approach forDesigning Blockchain Applications		
38	Tutorial		
	- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 1		

## UNIT-IV Ethereum Blockchain Implementation

CO4: Choose the present landscape of Blockchain implementations and Understand Crypto currency markets

#### Text Books:

 Ambadas, Arshad Sarfarz Ariff, Sham "Blockchain for Enterprise Application Developers", Wiley

2) Andreas M. Antonpoulos, "Mastering Bitcoin: Programming the Open Blockchain", O'Reilly

39	Introduction Ethereum Blockehain, Tuna Fish Tracking Use Case		
40	Ethereum Ecosystem, Development	From: 14-2-2023 To: 13-3-2023	
41	Ethereum Tool Stack, Virtual Machine		
42	Smart Contract Programming		
43	Integrated Development Environment		On board and PPTs
44	Truffle Framework		
45	Ganache, Unit Testing		
46	Ethereum Accounts, MyEtherWallet		
47	Ethereum Networks/Environments		
48	Infura, Etherscan		
49	Ethereum Clients, Decentralized Application		
50	Metamask, Tuna Fish Use Case Implementation		
51	OpenZeppelin Contracts		
52	Tutorial	-	

## UNIT-V: Hyperledger Blockchain Implementation

CO 5: Examine how to profit from trading crypto currencies

### Text Books:

1 ) Ambadas, Arshad Sarfarz Ariff, Sham "Blockchain for Enterprise Application Developers", Wiley

2) Andreas M. Antonpoulos, "Mastering Bitcoin: Programming the Open Blockchain", O'Reilly

53	Introduction Hyper ledger Block chain		
54	Use Case - Car Ownership Tracking		On board and PPTs
55	Hyper ledger Fabric Transaction Flow		
56	Invoking Chaincode Functions Using Client Application.		
57	Introduction Advanced Concepts in Block chain		
58	Interplanetary File System	1	
59	Zero-Knowledge Proofs	From:	
60	Oracles, Self-Sovereign Identity	14-3-2023	
61	Block chain with IoT and AI/ML Quantum Computing		
62	Initial Coin Offering	100	
63	Block chain Cloud Offerings	To:	
64	Blockchain and its Future Potential.	1-4-2023	1 1 1 1 1 1 1 1 1 1
65	Tutorial	See a	

Signature of the Faculty



27,28

29,30

Factory Method

Prototype

# SRK INSTITUTE OF TECHNOLOGY, ENIKEPADU, VIJAYAWADA -521108 Approved by AICTE, Affiliated to JNTUK, Kakinada

# ISO 9001:2015 Certified Institution Accredited with NAAC 'A' grade

## DEPARTMENT OF INFORMATION TECHNOLOGY

### TENTATIVE LESSON PLAN

Course/Code: Design Patterns / R2021052

Year / Semester : III/ II

Section: IT

A.Y: 2022-23

Lecture

interspersed

From:

02/02/2023

Mode of Delivery: Onboard

No. of Periods	TOPIC	Date	Remarks
CO1: Co	INTRODUCTION  nstruct a design consisting of a collection of modules		
TB:"De	sign Patterns", Erich Gamma, Pearson Education		
1-2	Design Patterns, Design Patterns in Smalktalk MVC		ALS:
3-5	Describing Design patterns, The Catalog of Design Patterns		1 3 3 3
6-8	Organizing the Catalog, How Design patterns solve Design Problems		Lecture interspersed with discussions
9	How to select a Design pattern	From: 09/01/2023	
10	How to Use a Design Pattern	09/01/2023	
11,12	Designing a document Editor	To:	
13	Design Problems	2/02/2023	
14,15	Document Structures		
16,17	Formatting		
18	Embellishing the user		
19	Support Multiple Look-and-fell Standards		
20	Supporting Multiple Window Systems		
CO2: Exa	CREATIONAL PATTERN mine well-known Design patterns (Such as Iterator, Observer, sign Patterns", Erich Gamma, Pearson Education. Introduction	Factory and Vi	sitor)
22	Creational Patterns		
23,24	Abstract Factory	-	
Acres Committee	riesti del ractory		

29,30	Prototype	02/02/2023	interspersed	
31	Singleton		with discussions	
32	Discussion of Creational Patterns	To: 12/02/2023		

### UNIT -III STRUCTURAL PATTERN

CO3: Distinguish between different categories of design patterns

TB: "Design Patterns", Erich Gamma, Pearson Education.

34	Adapter	From:	
35	Bridge	13/02/2023	Lecture
36	Composite		interspersed
37	Decorator	To:	with
38	Acade	24/02/2023	discussions
39	Flyweight		
40	Proxy		

### UNIT -IV BEHAVIORAL PATTERN

CO4Ability to Understand and apply common design patterns to incremental/iterative development identify appropriate patterns for design of given problem

TB: "Design Patterns", Erich Gamma, Pearson Education.

41	Chain of Responsibility		
42	Command	From:	Lecture interspersed with discussions
43	Interpreter	13/03/2023	
44	Iterator	7000	
45	Mediator	To:	
46	Memento	11/04/2023	
47	Observer		

### UNIT -V BEHAVIORAL PATTERN

CO5: Design the Software using pattern oriented Architectures

TB: "Design Patterns", Erich Gamma, Pearson Education.

48	State	From:	
49	Strategy	18/04/2023	Lecture interspersed with discussions
50	Template Method		
51	Visitor	To:	
52	Discussion of Behavioral Patterns	07/05/2023	
53	What to Expect from Design Patterns		
54	A Brief History		
55	The Pattern Community an Invitation		
56	A Parting thought	10000	

Signature of Faculty

Signature of HOD

# TENTATIVE LESSON PLAN MANAGERIAL ECONOMICS & FINANCIAL ACCOUNTANCY

Section: IT		Date: 30/01/2023	Page No: 01	of 03
Revision N		Prepared By: SRINIVAS.V	Approved By: HOD	
Tools: Black	board, PPT	The state of the s	1	
SL. NO.		TOPIC	Date	Mode of Delivery
UNIT-I	INTRO	DUCTION TO MANAGERIAL ECONOMI	CS	C. Landerson Company
Demand for	ind its rela ecasting,	pjectives of this paper are to understand the concep- tionship with other disciplines and to understand to Managerial Economics & Financial Analysis	he Concept of I	Demand and
1.	Introdu	ection to Managerial Economics, Definitions		
2.	Scope	of Managerial Economics and it's related to subjects		
3.	Introdu Feature	ection to Demand – Meaning & Definition, es of Demand		
4.	THE RESIDENCE AND ADDRESS.	inants of Demand	From	Lecture
5.	Law of	Demand & Its exceptions, Demand Function	30-01-2023	interspersed
6,		ity of Demand, Types of Elasticity of Demand	to	with
7.	Types	of price Elasticity of Demand	21-02-2023	discussions
8.	Measur	rement of Price Elasticity of Demand		
9.	Introdu	ction: Demand Forecasting		
10.		ance of Demand Forecasting		
11.		d Forecasting Methods	in the l	
12.	Concep	t of Supply, Law of supply		
UNIT -II	PRODU	CTION & COST ANALYSIS		
CO2: To fa	11 2 V 2 V 3 L L L L L L L L L L L L L L L L L L	STATE LEADING TO STATE AND ADDRESS OF STATE OF S		
and Cost-Vo	lume-Profi	bout the Production function, Input Output relation t Analysis		
and Cost-Vo	rya Sri, "! Introdu	bout the Production function, Input Output relation t Analysis Managerial Economics & Financial Analysis' ction to Production: Meaning & Definition.		
TB: A.R. A	Introdu Product Factors	bout the Production function, Input Output relation t Analysis  Managerial Economics & Financial Analysis'  ction to Production: Meaning & Definition, ion Function  of production, production function with one		
ΓB: A.R. A.	Introdu Product Factors variable	bout the Production function, Input Output relation to Analysis  Managerial Economics & Financial Analysis' ction to Production: Meaning & Definition, ion Function  of production, production function with one efactor		
13.	Introdu Product Factors variable Law of	bout the Production function, Input Output relation to Analysis  Managerial Economics & Financial Analysis' ection to Production: Meaning & Definition, ion Function of production, production function with one factor  Variable Proportions of production, production function with two		
13. 14.	Introductory Factors variable Law of Factors variable	bout the Production function, Input Output relation to Analysis  Managerial Economics & Financial Analysis' ection to Production: Meaning & Definition, ion Function of production, production function with one factor  Variable Proportions of production, production function with two factors		Lecture
13. 14. 15. 16.	Introduct Factors variable Law of Factors variable Concep	bout the Production function, Input Output relation to Analysis  Managerial Economics & Financial Analysis' etion to Production: Meaning & Definition, ion Function of production, production function with one factor  Variable Proportions of production, production function with two factors  t of Iso-costs, Isoquants	, 2005, TMH.	Lecture interspersed
13. 14. 15. 16.	Introductory Factors Variable Law of Factors Variable Concep MRTS,	bout the Production function, Input Output relation to Analysis  Managerial Economics & Financial Analysis' ection to Production: Meaning & Definition, ion Function of production, production function with one factor  Variable Proportions of production, production function with two factors tof Iso-costs, Isoquants Least Cost Combination	From 22-02-2023 to	Lecture interspersed with
13. 14. 15. 16.	Introductory Factors variable Law of Factors variable Concep MRTS, Cobb-D	bout the Production function, Input Output relation to Analysis  Managerial Economics & Financial Analysis' ection to Production: Meaning & Definition, ion Function of production, production function with one factor  Variable Proportions of production, production function with two factors  t of Iso-costs, Isoquants Least Cost Combination ouglas Production Function	From 22-02-2023	Lecture interspersed with
13. 14. 15. 16. 17. 18. 19.	Introduct Factors variable Law of Factors variable Concep MRTS, Cobb-D Econori	bout the Production function, Input Output relation to Analysis  Managerial Economics & Financial Analysis' etion to Production: Meaning & Definition, ion Function of production, production function with one factor  Variable Proportions of production, production function with two factors tof Iso-costs, Isoquants Least Cost Combination ouglas Production Function ites of Scale& diseconomies of scale	From 22-02-2023 to	Lecture interspersed with
13. 14. 15. 16. 17. 18. 19. 20.	Introductory a Sri, "Introductors variable Law of Factors variable Concep MRTS, Cobb-D Econom Returns	bout the Production function, Input Output relation to Analysis  Managerial Economics & Financial Analysis' ection to Production: Meaning & Definition, ion Function of production, production function with one factor  Variable Proportions of production, production function with two factors to f Iso-costs, Isoquants Least Cost Combination ouglas Production Function ites of Scale& diseconomies of scale to Scale & returns to factors	From 22-02-2023 to	Lecture interspersed with
13. 14. 15. 16. 17. 18. 19. 20. 21.	Introductorya Sri, "Introductorya Sri, "Introductorya Sri, "Introductorya Sri, "Introductorya Sactors variable Law of Factors variable Conceptorya MRTS, Cobb-D Econom Returns Conceptorya Sactorya Sacto	bout the Production function, Input Output relation to Analysis  Managerial Economics & Financial Analysis' etion to Production: Meaning & Definition, ion Function of production, production function with one factor  Variable Proportions of production, production function with two factors to f Iso-costs, Isoquants Least Cost Combination ouglas Production Function ites of Scale& diseconomies of scale to Scale & returns to factors of cost & Various Cost Concepts	From 22-02-2023 to	Lecture interspersed with
13. 14. 15. 16. 17. 18. 19. 20. 21.	Introductorya Sri, "Introductors variable Law of Factors variable Conceptor MRTS, Cobb-D Econom Returns Conceptor Introductor Internation Introductor Internation Introductor Internation Introductor Internation Introductor Internation Introductor Internation Introductor	bout the Production function, Input Output relation to Analysis  Managerial Economics & Financial Analysis' ection to Production: Meaning & Definition, ion Function of production, production function with one factor  Variable Proportions of production, production function with two factors to f Iso-costs, Isoquants Least Cost Combination ouglas Production Function ites of Scale& diseconomies of scale to Scale & returns to factors	From 22-02-2023 to	Lecture interspersed

## UNIT - III INTRODUCTION TO MARKETS, THEORIES OF THE FIRM AND PRICING POLICIES

CO3: To understand the nature of markets, Methods of Pricing in the different market structures and to know the different forms of Business organization and the concept of Business Cycles

TB: A.R. Arya Sri, "Managerial Economics & Financial Analysis", 2005, TMH.

26.	Introduction to Markets: Meaning & Definition, Features		
27.	Types of markets, market structure		
28.	Price Determination under perfect competition		
29.	Equilibrium-point of firm and industry		
30.	Price Determination under Monopoly		
31.	Equilibrium-point of firm and industry in monopoly		
32.	Price Determination under Monopolistic Competition		Lecture interspersed with discussions
33.	Price Determination under Oligopoly		
34.	Managerial Theories of the Firm	From	
35.	Marries and Williamson theory of firm	13/03/2023	
36.	Pricing, pricing objectives.	To 10/04/2023	
37.	Various Methods of Pricing		
38.	Introduction to Business: Definition, Features	1888	
39.	Sole Proprietorship: Features, Merits, Demerits		
40.	Partnership: Features, Merits, Demerits, kinds of partners		
41.	Joint Stock Company: Features, Merits, Demerits		
42.	Public limited and private limited companies, features		
43.	Public Enterprises: Features, Merits, Demerits		
44.	Phases of Business Cycles		

### UNIT - IV INTRODUCTION TO ACCOUNTING & FINANCING ANALYSIS:

CO4: To learn different Accounting Systems, preparation of Financial Statement and uses of different tools for performance evaluation

TB: A.R. Arva Sri, "Managerial Economics & Financial Analysis", 2005, TMH,

SL. NO.	TOPIC	DATE	Mode of Delivery			
45.	Introduction to Accounting: Meaning & Definition, Classification of Accounts					
46.	Accounting Process					
47.	Principles of accounting (GAAP)					
48.	Accounting cycle		Lecture interspersed with discussions			
49.	Preparation of Journal: Problems					
50.	Preparation of Ledger: Problems					
51.	Preparation of Trail Balance: Problems	From 11/04/2023				
52.	Final Accounts (Trading, profit & loss A/C, Balance Sheet)	To 30/04/2023				
53.	Final Accounts with Adjustments	30/04/2023				
54.	Treatment of adjustments in preparation of final accounts.					
55.	Introduction to Financial Statement Analysis: Importance, Objectives.					
56.	Classification of Ratios: Liquidity Ratios					
57.	Classification of Ratios: Activity Ratios					

58.	Classification of Ratios: Solvency Ratios	
59.	Classification of Ratios: Profitability Ratios	
60.	Preparation of Changes in Working Capital	
61.	Preparation of Funds Flow Statement	
62,	Preparation of Cash Flow Statement	

## UNIT - V CAPITAL, CAPITAL BUDGETING

CO5: To understand the concept of Capital, Capital Budgeting and the techniques used to evaluate Capital Budgeting proposals

TB: A.R. Arya Sri, "Managerial Economics & Financial Analysis", 2005, TMH

SL. NO.	TOPIC	DATE	Mode of Delivery	
63.	Introduction to Capital Budgeting: Meaning, Definition, and Need.	From		
64.	Methods of Capital Budgeting: Pay Back Period (PBP),		interspersed	
65.	Calculation of Accounting Rate of Return (ARR)			
66.	Calculation of Net Present Value (NPV)	01/05/2023 To		
67.	Calculation of Internal Rate of Return (IRR)	13/05/2023		
68.	Calculation of Profitability Index			
69.	Merits and Demerits of Capital Budgeting Techniques.			

Opnin 1

Signature of the Faculty



### SRK INSTITUTE OF TECHNOLOGY, ENIKEPADU, VIJAYAWADA -521108

### Approved by AICTE, Affiliated to JNTUK, Kakinada ISO 9001:2015 Certified Institution Accredited with NAAC 'A' grade DEPARTMENT OF INFORMATION TECHNOLOGY

### TENTATIVE LESSON PLAN

Course/Code: java programming/ R2022054

Year / Semester: II/II Section: I A.Y: 2022-23

Mode of Delivery: Onboard

S.No	TOPIC	Date	Mode of Delivery
CO 1:Discu	ogram Structure in Java: iss and understand java programming constructs, Contr one step ahead, Anitha Seth, B.L.Juneja, Oxford.	ol structures	
1.	Program Structure in Java: Introduction, Writing Simple Java Programs		Lecture interspersed with discussions
2.	Elements or Tokens in Java Programs		
3,	Java Statements, Command Line Arguments, User Input to Programs, Escape Sequences Comments, Programming Style	From: 30.01.2023 To: 17.02.2023	
4.	Data Types, Variables, and Operators :Introduction, Data Types in Java, Declaration of Variables, Data Types		
5.	Type Casting, Scope of Variable Identifier, Literal Constants, Symbolic Constants Formatted Output with printf() Method, Static Variables and Methods, Attribute Final		
6	Introduction to Operators, Precedence and Associativity of Operators, Assignment Operator ( = ), Basic Arithmetic Operators, Increment (++) and Decrement () Operators		
7	TernaryOperator, Relational Operators, Boolean Logical Operators, Bitwise Logical Operators		
8	Control Statements: Introduction, if Expression, Nested if Expressions, if—else Expressions		
9	Ternary Operator?:, Switch Statement, Iteration Statements		
10	while Expression, do-while Loop, for Loop, Nested for Loop, For-Each for Loop		
11	Break Statement, Continue Statemen		
12	TUTORIAL CLASS		

CO 2:Illustrate and experiment Object Oriented Concepts like classes, objects

TB: JAVA one step ahead, Anitha Seth, B.L.Juneja, Oxford.

13	Classes and Objects: Introduction, Class Declaration and Modifiers, Class Members, Declaration of Class Objects	From: 20.02,2023 To: 10.03,2023	Lecture interspersed with discussions
14	Assigning One Object to Another, Access Control for Class Members		
15	Accessing Private Members of Class		
16	Constructor Methods for Class, Overloaded Constructor Methods		
17	Nested Classes, Final Class and Methods,		
18	Passing Arguments by Value and byReference, Keyword this		
19	Methods: Introduction, Defining Methods, Overloaded Methods, Overloaded Constructor Methods		
20	Class Objects as Parameters in Methods, Access Control		
21	Recursive Methods, Nesting of Methods		
22	Overriding Methods, Attributes Final and Static		
23	TUTORIAL CLASS		
CO 3 : Ap	Arrays,Inheritance,Interfaces: ply Object Oriented Constructs such as Inheritance, inter A one step ahead, Anitha Seth, B.L.Juneja, Oxford.	faces, and exception	handling
24	Arrays: Introduction, Declaration and Initialization of		
25	Arrays, Storage of Array in Computer Memory		
(929.11)			Lecture
26	Arrays, Storage of Array in Computer Memory Accessing Elements of Arrays, Operations on Array		interspersed with
592.9 (III	Arrays, Storage of Array in Computer Memory Accessing Elements of Arrays, Operations on Array Elements Assigning Array to Another Array, Dynamic Change of		interspersed
26	Arrays, Storage of Array in Computer Memory Accessing Elements of Arrays, Operations on Array Elements Assigning Array to Another Array, Dynamic Change of Array Size	From: 13.03.2023	interspersed with
26 27	Arrays, Storage of Array in Computer Memory Accessing Elements of Arrays, Operations on Array Elements Assigning Array to Another Array, Dynamic Change of Array Size Sorting of Arrays, Search for Values in Arrays Class Arrays, Two-dimensional Arrays, Arrays of	From: 13.03.2023	interspersed with
26 27 28	Arrays, Storage of Array in Computer Memory Accessing Elements of Arrays, Operations on Array Elements Assigning Array to Another Array, Dynamic Change of Array Size Sorting of Arrays, Search for Values in Arrays Class Arrays, Two-dimensional Arrays, Arrays of Varying Lengths	1.5177440.5345365EEE.51	interspersed with
26 27 28 29	Arrays, Storage of Array in Computer Memory Accessing Elements of Arrays, Operations on Array Elements Assigning Array to Another Array, Dynamic Change of Array Size Sorting of Arrays, Search for Values in Arrays Class Arrays, Two-dimensional Arrays, Arrays of Varying Lengths Three-dimensional Arrays, Arrays as Vectors Inheritance: Introduction, Process of Inheritance, Types	1.5177440.5345365EEE.51	interspersed with

UNIT 4: Packages and Java Library, Exception Handling:

TUTORIAL CLASS

32

33

CO 3 :Apply Object Oriented Constructs such as Inheritance, interfaces, and exception handling

TB: JAVA one step ahead, Anitha Seth, B.L.Juneja, Oxford.

Constructor Method and Inheritance, Method

Abstract Classes, Interfaces and Inheritance

Overriding, Dynamic Method Dispatch

45	Tutorial class ing Handling in Java, Multithreaded Programming, Jav		
44	Nested try and catch Blocks, Rethrowing Exception, Throws Clause	From: 01.04.2023 To: 15.04.2023	Lecture interspersed with discussions
43	try-with-resources, Catching Subclass Exception, Custom Exceptions		
42	Multiple Catch Clauses, Class Throwable, Unchecked Exceptions, Checked Exceptions		
41	Keywords throws and throw, try, catch, and finally Blocks		
40	Temporal Adjusters Class, Temporal Adjusters Class. Exception Handling: Introduction, Hierarchy of Standard Exception Classes		
39	Time Package, Class Instant (java.time.Instant), Formatting for Date/Time in Java		
38	Java util Classes and Interfaces, Formatter Class, Random Class		
37	class Math, Wrapper Classes, Auto-boxing and Autounboxing		
36	Path and Class Path, Access Control, Packages in Java SE, Java lang Package and its Classes, Class Object, Enumeration		
35	Packages and Java Library: Introduction, Defining Package, Importing Packages and Classes into Programs		

UNIT 5: String Handling in Java, Multithreaded Programming, Java Database Connectivity: CO 4: Construct applications using multithreading and I/O

TB: JAVA one ste	p ahead, Anitha Seth,	B.L.Juneja, Oxford.
------------------	-----------------------	---------------------

46	String Handling in Java: Introduction, Interface Char Sequence, Class String	racters from Strings Strings, Methods for  ags, Data Conversion  tring Builder, g: Introduction, Need for  g for Multi-core in Thread- Creation of station, Deadlock and d Communication - Stopping of Threads. : Introduction ang MySQL and MySQL ent Setup e Connections g JDBC Application,	Lecture interspersed with discussions
47	Methods for Extracting Characters from Strings		
48	Methods for Comparison of Strings, Methods for Modifying Strings		
49	Methods for Searching Strings, Data Conversion and Miscellaneous Methods		
50	Class String Buffer, Class String Builder, Multithreaded Programming: Introduction, Need for Multiple Threads		
51	Multithreaded Programming for Multi-core Processor, Thread Class, Main Thread- Creation of New Threads, Thread States		
52	Thread Priority-Synchronization, Deadlock and Race Situations, Inter-thread Communication - Suspending, Resuming, and Stopping of Threads.		
53	Java Database Connectivity: Introduction		
54	JDBC Architecture, Installing MySQL and MySQL Connector/JDBC Environment Setup		
55	Establishing JDBC Database Connections		
56	ResultSet Interface, Creating JDBC Application,		
57	JDBC Batch Processing, JDBC Transaction Management		
58	Tutorial class		

Signal Control Resulty