சென்னைப் பல்கலைக்கழகம்
University of Madras

Part-I

பொதுத் தமிழ் - பாடத்திட்டம்

General Tamil - Syllabus

4 பருவங்கள் (நான்காம் பருவம்)

(B.A., B.Sc., B.Com., BCA., BBA)

2023-24

பொதுத்தமிழ் -4

தமிழும் அறிவியலும்

இரண்டாம் ஆண்டு – நான்காம் பருவம்

Course Code	Course Name	category	L	T	P	S	Credits	Ins.Hrs	CIA	External	Total
200L4AU	பொதுத்தமிழ் -4 தமிழும் அறிவியலும்	Supportive	Y	-	-	-	3	6	25	75	100

Learning Objectives

- தாய்மொழி வழியாக அறிவியல் பற்றிய சிந்தனைகளை வளர்த்தல்.
- அறிவியல் கலைச் சொல்லாக்கம் பற்றிப் பயிற்றுவித்தல்.
- மாணவர்களுக்கு அறிவியல் பார்வையை ஏற்படுத்துதல்.
- தமிழில் அறிவியல் படைப்பிலக்கியங்களை உருவாக்கத் தூண்டுதல்
- தமிழ் இலக்கியம் சார்ந்த போட்டித் தேர்வுகளுக்கு ஏற்ப கற்பித்தல் நடைமுறைகளை மேற்கொள்ளுதல்

Expected Course Outcomes

On the Sucessful completion of the Course, Students will be able to

இப்பாடத்தைக் கற்பதால் பின்வரும் பயன்களை மாணவர் அடைவர்

CO 1	தாய்மொழி வழியாக அறிவியல் பற்றிச் சிந்திக்கும் திறன் பெற்றிருப்பர்.	K4
CO 2	அறிவியல் கலைச் சொல்லாக்கம் பற்றிய விதிகள், நுணுக்கங்களைத் தெரிந்திருப்பர்.	K5, K6
CO 3	அறிவியல் தமிழ் வளர்ச்சியில் மொழிபெயர்ப்பின் பங்கு குறித்து அறிந்திருப்பர்.	K3
CO 4	மொழியறிவோடு சிந்தனைத்திறனைப் பெறுவர்	K3
CO 5	மொழிப்பயிற்சிக்குத் தேவையான இலக்கணங்களைக் கற்பர்.	K2

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

அலகு-1 தமிழரின் அறிவியல் சிந்தனைகள்

- அறிவியலும் மனித வாழ்வும்
- ஐந்திணைப் பகுப்பும் சூழலியலும்
- தொழில்நுட்ப மேலாண்மை
- நீர் நில மேலாண்மை

அலகு-2 பழந்தமிழ் இலக்கியங்களில் அறிவியல் சிந்தனைகள்

1. நிலவியல்
2. உலோகவியல்
3. வானவியல்
4. உயிரியல்
5. உளவியல்

அலகு-3	இடைக்கால இலக்கியங்களில் அறிவியல் சிந்தனைகள்

1. காப்பியங்களில் அறிவியல்
2. சிற்றிலக்கியங்களில் அறிவியல்
3. உரைநூல்களில் அறிவியல்

அலகு-4	இணையத் தமிழ்

1. இணையத் தமிழ் பயன்பாடு - அறிமுகம்
2. இணையத்தமிழ்க் கல்விக்கழகம்
3. இணைய நூலகம்
4. செயற்கை நுண்ணறிவியல்
5. தமிழ்நாட்டு அறிவியல் ஆளுமைகள்

அலகு-5	கடிதம் எழுதுதலும் கட்டுரை எழுதுதலும்

- உறவு முறைக் கடிதப் பயிற்சி
- அலுவலகக் கடிதப் பயிற்சி
- விண்ணப்பப் படிவம் எழுதும் பயிற்சி
- தன் விவரப் படிவம் எழுதும் பயிற்சி
- கருத்து விளக்கக் கட்டுரைகள் எழுதும் பயிற்சி
- பத்திரிகைகளுக்குக் கட்டுரை எழுதும் பயிற்சி

Text books

- அறிவியல் தமிழ் இன்றைய நிலை - இராதா செல்லப்பன், உலகத் தமிழாராய்ச்சி நிறுவனம், சென்னை.
- மணவை முஸ்தபா, தமிழில் அறிவியல் படைப்பிலக்கியம், மணவை பப்ளிகேஷன், சென்னை.
- கலைச்சொல்லாக்கம் - மங்கை, ரங்கராசபுரம், சென்னை .

Reference Books

1.தமிழர் வேளாண்மை மரபுகள் - இல).செ.கந்தசாமி

- 2. சங்க இலக்கியத்தில் வேளாண் சமுதாயம், பெ.மாதையன், நியூ செஞ்சுரி புக் ஹவுஸ்

3. தமிழில் அறிவியல் இதழ்கள்சாமுவேல்- ரா.பார்வேந்தன் ஃபிஷ்கிரீன் பதிப்பகம், கோவை

4. அறிவியல் தமிழ் - பதிப்பாசிரியர் இராதா செல்லப்பன்,பாரதிதாசன் பல்கலைக்கழகம், திருச்சிராப்பள்ளி.

5. இணையத் தமிழ் வரலாறு, மு.பொன்னவைக்கோ, பாரதிதாசன் பல்கலைக்கழகம்

6. இணையத் தமிழ், சந்திரிகா சுப்பிரமணியம் - சந்திரோதயம் பதிப்பகம்

7. இணையமும் இனிய தமிழும் - துரை. மணியரசன், இசை பதிப்பகம்

8. கணினித் தமிழ், இல. சுந்தரம் - விகடன் பிரசுரம்

9. மாண்புமிகு மண், பாமயன், வம்சி புக்ஸ்

10. தமிழ் இலக்கியத்தில் அறிவியல் சிந்தனைகள் வானதி பதிப்பகம், சென்னை

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

Web Sources

- https://www.chennailibrary.com/
- https://www.sirukathaigal.com
- https://www.tamilvirtualuniversity.org
- https://www.noolulagam.com
- https://www.katuraitamilblogspot.com

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2
CLO1	3	2	3	3	3	2	2	2	3	2	3	2
CLO2	3	3	2	2	2	3	2	3	3	2	2	2
CLO3	3	2	3	3	2	2	2	3	2	3	3	2
CLO4		3	3	2	2	2	3	2	3	2	3	3
CLO5	3	3	2	2	2	3	3	2	2	2	3	3

1.

Strong -3,Medium-2,Low-

UNIVERSITY OF MADRAS

FOUNDATION COURSE: ENGLISH

SYLLABUS WITH EFFECT FROM 2023-2024

SECOND YEAR - SEMESTER IV

PAPER II –GENERAL ENGLISH

Subject Code	Category	L	T	P	S	Credits	Inst. Hours	Marks		
								CIA	External	Total
200L4ZU	Part II	Y	Y	-	-	3	6	25	75	100

Learning Objectives	
LO1	To help learners imbibe goal-setting attitude.
LO2	To enable them to understand the value of integrity.
LO3	To help them deal with emotions.
LO4	To teach the learners to frame sentences using tenses.
LO5	To enhance reporting skills.

Unit No.	Unit Title & Text	No. of Periods for the Unit
I	**GOAL SETTING (UNICEF)** **Life Story** 1.1 From Chinese Cinderella – Adeline Yen Mah 1.2 Why I Write - George Orwell **Short Essay** 1.3 On Personal Mastery – Robin Sharma 1.4 On the Love of Life – William Hazlitt	20
II	**INTEGRITY** **Short Story** 2.1The Taxi Driver – K.S. Duggal 2.2 Kabuliwala - Rabindranath Tagore 2.3 A Retrieved Reformation – O Henry **Extract from a play** 2.4 The Quality of Mercy (Trial Scene from the Merchant of Venice - Shakespeare)	20
III	**COPING WITH EMOTIONS** **Poem** 3.1 Pride – Dahlia Ravikovitch 3.2 Phenomenal Woman – Maya Angelou **Reader's Theatre** 3.3 The Giant's Wife A Tall Tale of Ireland – William Carleton 3.4 The Princess and the God : A Tale of Ancient India	20

IV	**Language Competency Sentences** 4.1 Simple Sentences 4.2 Compound Sentences 4.3 Complex Sentences **Direct and Indirect Speech**	15
V	**Report Writing** 5.1 Narrative Report 5.2 Newspaper Report **Drafting Speeches** 5.3 Welcome Address 5.4 Vote of Thanks	15

Course Outcomes

Course Outcomes	On completion of this course, students will	
CO1	Determine their goals	PO1,PO7
CO2	Identify the value of integrity.	PO1,PO2,PO10
CO3	Deal with emotions.	PO4,PO6,PO9
CO4	Frame grammatically correct sentences	PO4,PO5,PO6
CO5	Write cohesive reports.	PO3,PO8

Text Books (Latest Editions)

1	Oxford Practice Grammar , John Eastwood, Oxford University Press
2	Cambridge Grammar of English , Ronald Carter and Michael McCarthy
3.	George Orwell Essays, Penguin Classics

Web Resources	
1	http:/www.gradesaver.com/George-orwell-essays/study/summary
2	O' Henry. A Retrieved Reformation. https://americanenglish.state.gov/files/ae/resource_files/a-retrieved-reformation.pdf
3	Maya Angelou. Phenomenal Woman. https://www.poetryfoundation.org/poems/48985/phenomenal-woman
4	The Quality of Mercy, https://poemana1ysis.com
5	https://www'.oxfordscho1ar1yeditions.coin/disp1ay/10.1093/actrade/9780199235742.book.1/actrade-9780199235742-div1-106- William Hazilitt

Mapping with Programme Outcomes:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	2	3	2
CO2	2	3	3	3	2	3	3	2	2	2
CO3	3	3	3	2	3	3	3	2	3	2
CO4	3	3	3	3	3	3	3	2	2	2
CO5	3	2	3	3	3	3	3	2	2	3

3 – Strong, 2 – Medium , 1 – Low

Mapping with Programme Specific Outcomes:

CO /PO	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3
CO2	3	3	3	3
CO3	3	3	3	3
CO4	3	3	3	3
CO5	3	3	3	3
Weightage	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0

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SYLLABUS WITH EFFECT FROM 2023-2024

Subject Code	Subject Name	Category	L	T	P	O	Credits	Inst. Hours	Marks		
									CIA	External	Total
250C4A	**Business Environment**	Core	Y	-	-	-	5	4	25	75	100

Course Objectives	
CLO1	To impart knowledge on the concept of business environment & its significance
CLO2	To know the political environmental factors and its impact on business.
CLO3	To know the Economic environmental factors and its impact on business
CLO4	To throw light on importance of the types of Social Organization.
CLO5	To create awareness of industrial-technological advancements.

UNIT	Details	No. of Hours	Course Objectives
I	The concept of Business Environment: its nature and significance A brief overview of political, cultural, legal, economic, and social environments and their impact on business and strategic decisions	12	CLO1
II	Political Environment: Functions of state, economic roles of government, government and legal environment. The constitutional environment, rationale and extent of state intervention	12	CLO2
III	Economic Environment: Business Cycles (Inflation, Deflation), Macroeconomic Parameters Like GDP, Growth Rate, Population, Urbanization, National Income, and Per Capita Income, and Their Impact on Business Decisions Five-year planning; establishment of NITI Aayog (National Institution for Transforming India); 1991 New Economic Policy; business liberalization, privatization, and globalization	12	CLO3
IV	Social environment; cultural heritage; social attitudes; castes and communities Joint family systems; linguistic and religious groups; types of social organisation	12	CLO4
V	Technology environment – Industry 4.0-Meaning-Features- basic Applications and Uses- Blockchain, AI, AR, Cloud, IOT, IIOT, Big Data and Analytics	12	CLO5
	Total	**60**	

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Course Outcomes		
Course Outcomes	On completion of this course, students will;	
CO1	To understand the concepts of Business Environment.	PO1,PO2
CO2	To apply knowledge in the business and strategic decisions.	PO1, PO2,PO3
CO3	To analyze the importance of business in various social groups.	PO2,PO4, PO5,PO6, PO8
CO4	To evaluate the types of economic environment and its impact on business.	PO3,PO4, PO5, PO6
CO5	To construct and assess the environment for real-time business	PO1,PO2,PO3, PO8
Reading List		
1.	Sankaran.S (Reprint 2016) Business Environment, Margham Publishing House, hid Revised Edition	
2.	Gupta C B (Reprint 2018) ,Business Environment, Sultan Chand & Sons. Eleventh Revised Edition	
3.	K.Ashwathappa, (Reprint 2016) Essentials of Business Environment, Himalaya Publishing House, 6th Edition, India	
4.	Joshi Rosy KapoorSangam, Business Environment, Kalyani Publishers, Ludhiana	
References Books		
1.	Business Environment : A Test/Reference Book With Case Studies Ebook : Prakash , N R Mohan	
2.	Business Environment Ruchi Goyal Publisher: Neel kanth Publishers Pvt. Ltd.2019	
3.	Business Environment, Fourth Edition, By Pearson	
4.	Business Environment Indian And Global Perspective 3Rd Edition by AHMED, FAISAL ALAM, M. ABSAR, PHI Learning	
Web Resources		
1.	https://www.toppr.com/guides/commercial-knowledge/business-environment/ macro-political-legal-social-environment/	
2.	https://www.healthknowledge.org.uk/public-health-textbook/organisation-management/5b-understanding-ofs/assessing-impact-external-influences	
3.	Francis Cherunilam, 2002, Business environment, Himalaya Publishing House, 11th Revised Edition, India.	
4.	https://pestleanalysis.com/political-factors-affecting-business/	
5.	https://www.taxmann.com/bookstore/bookshop/bookfiles/businessandcommercialknowledgechapter2.pdf	

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SYLLABUS WITH EFFECT FROM 2023-2024

Methods of Evaluation		
Internal Evaluation	Continuous Internal Assessment Test	25 Marks
	Assignments	
	Seminars	
	Attendance and Class Participation	
External Evaluation	End Semester Examination	75 Marks
	Total	100 Marks
Methods of Assessment		
Recall (K1)	Simple definitions, MCQ, Recall steps, Concept definitions	
Understand/ Comprehend (K2)	MCQ, True/False, Short essays, Concept explanations, Short summary or overview	
Application (K3)	Suggest idea/concept with examples, Suggest formulae, Solve problems, Observe, Explain	
Analyze (K4)	Problem-solving questions, Finish a procedure in many steps, Differentiate between various ideas, Map knowledge	
Evaluate (K5)	Longer essay/ Evaluation essay, Critique or justify with pros and cons	
Create (K6)	Check knowledge in specific or offbeat situations, Discussion, Debating or Presentations	

Mapping with program outcomes

	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**
CO 1	S	S	M	S	S	M	M	S
CO 2	S	S	M	S	S	M	M	S
CO 3	S	S	M	S	S	M	M	S
CO 4	S	S	M	S	S	M	M	S
CO 5	S	S	M	S	S	M	M	S

S-Strong M-Medium L-Low

CO-PO Mapping (Course Articulation Matrix)
Level of Correlation between PSO's and CO's

	PSO 1	**PSO 2**	**PSO 3**	**PSO 4**	**PSO 5**
CO 1	3	3	3	3	3
CO 2	3	3	2	3	3
CO 3	3	3	3	3	3
CO 4	2	3	3	3	3
CO 5	3	3	3	3	3
Weightage	14	15	14	15	15
Weighted percentage of Course Contribution to Pos	2.8	3.0	2.8	3	3.0

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Subject Code	Subject Name	Category	L	T	P	O	Credits	Inst. Hours	Marks		
									CIA	External	Total
250C4B	**BUSINESS REGULATORY FRAME WORK**	Core	Y	-	-	-	5	5	25	75	100

Course Objectives	
CLO1	Explain Indian Contracts Act
CLO2	Understand Sales of goods act& contract of agency
CLO3	Understand Indian Companies Act 1956
CLO4	Understand Consumer Protection Act – RTI
CLO5	Understand Cyber law

UNIT	**Details**	**No. of Hours**	**Learning Objectives**
I	Brief outline of Indian Contracts Act - Special contracts Act	15	CLO1
II	Sale of goods Act - Contract of Agency	15	CLO2
III	Brief outline of Indian Companies Act 1956.- kinds-formation-MOA-AOA- Prospectus- Appointment of Directors- Duties-Meeting- Resoultions-Winding up	15	CLO3
IV	Consumer Protection Act – RTI	15	CLO4
V	Brief outline of Cyber laws – IT Act 2000 & 2008	15	CLO5
		75	

Course Outcomes		
Course Outcomes	On Completion of the course the students will	**Program Outcomes**
CO1	Explain Indian Contracts Act	PO1,PO3,PO6,PO8
CO2	Understand Sales of goods act and Contract of Agency	PO1,PO2,PO3,PO4, PO5,PO8
CO3	Understand Indian Companies Act 1956	PO3,PO4,PO6,PO8
CO4	Understand Consumer Protection Act – RTI	PO1,PO2,PO3,PO6, PO7,PO8
CO5	Understand Cyber law	PO1,PO3,PO6,PO7, PO8

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Reading List	
1	Tulsian.P.C Business Law (2018) Third Edition, McGraw Hill Publications
2	Pillai R S N, Bhagavati, Business Law, Third Edition, Sultan Chand
3	N D Kapoor(2019), Elements of Merchantile Law, Sultan Chand & Sons
4	Constitutional Law – Dr. M.R. Sreenivasan&Ananda Krishna Deshkulkarni
5	Business Law (Commercial Law) – Dr. M.R. Sreenivasan
References Books	
1	Business Regulatory Framework, Sahitya Bhawan Publications Revised, 2022.
2	Business Regulatory Framework, Garg K.C., Sareen V.K., Sharma Mukesh, 2013
3	Business Regulatory Framework Pearson Education India, 2011
4	Bare Acts- RTI, Consumer Protection Act
5	Business Regulatory Framework , **Dr. Pawan Kumar Oberoi, Global Academic Publishers & Distributors, 2015**
Web Resources	
1	https://www.gkpad.com/sachin/06-22/bcom-Business-Regulatory-Framework -l.html
2	http://www.simplynotes.in/e-notes/mcomb-com/business-regulatory-framework/
3	https://www.studocu.com/in/course/mahatma-gandhi-university/business-regularly-framework/51661
4	International Journal of Law (lawjournals.org)
5	https://www.himpub.com/BookDetail.aspx?BookId=1936&NB=&Book_TitleM=%20Business%20Regulatory%20Framework

Methods of Evaluation		
Internal Evaluation	Continuous Internal Assessment Test	25 Marks
	Assignments	
	Seminars	
	Attendance and Class Participation	
External Evaluation	End Semester Examination	75 Marks
	Total	100 Marks
Methods of Assessment		
Recall (K1)	Simple definitions, MCQ, Recall steps, Concept definitions	
Understand/ Comprehend (K2)	MCQ, True/False, Short essays, Concept explanations, Short summary or overview	
Application (K3)	Suggest idea/concept with examples, Suggest formulae, Solve problems, Observe, Explain	
Analyze (K4)	Problem-solving questions, Finish a procedure in many steps, Differentiate between various ideas, Map knowledge	
Evaluate (K5)	Longer essay/ Evaluation essay, Critique or justify with pros and cons	
Create (K6)	Check knowledge in specific or offbeat situations, Discussion, Debating or Presentations	

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Mapping with program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	S	M	M	M	S	S	L	S
CO 2	S	M	M	M	S	S	L	S
CO 3	S	M	M	M	S	S	L	S
CO 4	S	M	M	M	S	S	L	S
CO 5	S	M	M	M	S	S	L	S

S-Strong M-Medium L-Low

CO-PO Mapping with Programme Specific Outcomes (Course Articulation Matrix): Level of Correlation between PSO's and CO's

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO 1	3	3	2	3	3
CO 2	3	3	3	3	3
CO 3	3	3	2	3	3
CO 4	3	3	3	3	3
CO 5	3	3	3	3	3
Weightage	15	15	13	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	2.6	3.0	3.0

UNIVERSITY OF MADRAS

B.B.A. DEGREE PROGRAMME IN BUSINESS ADMINISTRATION

SYLLABUS WITH EFFECT FROM 2023-2024

Subject Code	Subject Name	Category	L	T	P	O	Credits	Inst. Hours	Marks		
									CIA	External	Total
250E4A	**Operations Research**	Generic Elective	Y	-	-	-	3	4	25	75	100

Learning Objectives	
CLO1	Introduction to Operations Research definition and concept Essential features of LPP.
CLO2	Formulation of Transportation problem and finding an initial basic feasible solution.
CLO3	Expressing Assignment problem, Hungarian method- Minimization and Maximization case and Sequencing Problem.
CLO4	Analyse Network models and constructing network- critical path, various floats.
CLO5	Analyse Game Theory and Decision Theory

UNIT	**Details**	**No. of Hours**	**Learning Objectives**
I	Linear Programming problem -Concept and scope of OR, general mathematical model of LPP, steps of L.P model formulation, Graphical method of the solution of LPP- simple problems.	12	CLO1
II	Transportation problem- Basic definitions, formulation of transportation problem as LPP, finding an initial basic feasible solution- North -west corner rule, row minima method, column minima method, least cost entry method-Vogel's approximation method to find the optimal solution.	12	CLO2
III	Assignment problem-Hungarian method- Minimization and Maximization case, unbalanced assignment problem. Sequencing Problem-Processing n jobs on 2 machines, processing n jobs on 3 machines, processing n jobs on m machines.	12	CLO3
IV	Network models-PERT and CPM — difference between PERT and CPM- constructing network- critical path, various floats, three-time estimates for PERT	12	CLO4
V	Game Theory- Maximin-Minmax criterion, Saddle point, Dominance property, Graphical method for solving 2xn and mx2 game. Decision Theory –statement of Baye'stheorem application - decision trees.	12	CLO5
		60	

UNIVERSITY OF MADRAS

B.B.A. DEGREE PROGRAMME IN BUSINESS ADMINISTRATION

SYLLABUS WITH EFFECT FROM 2023-2024

Course Outcomes		
Course Outcomes	On Completion of the course the students will	**Program Outcomes**
CO1	Analyse Linear Programming	PO1,PO2,PO6
CO2	Analyse Transportation problem	PO1,PO2,PO6
CO3	Analyse Assignment problem	PO1,PO2,PO6
CO4	Analyse Network models	PO1,PO2,PO6
CO5	Analyse Game Theory and Decision Theory	PO1,PO2,PO6
Reading List		
1.	Operational Research | Research.com	
2.	Operations Research | PubsOnLine (informs.org)	
3.	Prabandhan : Journal of Management	
4.	International Journal of Operations research	
5.	DR H. Premraj, Elements of Operation Research, Margham publications, Chennai, 2019	
References Books		
1.	P.R. Vittal& V. Malini, Operative Research – Margham Publications – Chennai – 17.	
2.	P.K. Gupta& Man Mohan, Problems in Operations Research – Sultan Chand & sons – New Delhi	
3.	V.K. Kapoor, Introduction to operational Research – Sultan Chand & sons – New Delhi	
4.	Hamdy A Taha, Operation Research – An Introduction prentice Hall of India- New Delhi	
5.	P. Gupta, N. Aruna Rani, M. Haritha (2018), Operations Research and Quantitative Techniques, First edition, Himalaya Publishing House.	
Web Resources		
1	chromeextension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.rccmindore.com/wp-content/uploads/2021/04/Operations-Research.pdf	
2	chromeextension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.bbau.ac.in/dept/UIET/EMER601%20Operation%20Research%20Queuing%20theory.pdf	
3	https://www.onlinemathlearning.com › linear-programming-example	
4	https://www.kellogg.northwestern.edu › weber › Notes_6_Decision_trees	
5	www.pondiuni.edu.in › sites › default › files	
Methods of Evaluation		
Internal Evaluation	Continuous Internal Assessment Test	25 Marks
	Assignments	
	Seminars	
	Attendance and Class Participation	
External Evaluation	End Semester Examination	75 Marks
	Total	100 Marks

Methods of Assessment	
Recall (K1)	Simple definitions, MCQ, Recall steps, Concept definitions
Understand/ Comprehend (K2)	MCQ, True/False, Short essays, Concept explanations, Short summary or overview
Application (K3)	Suggest idea/concept with examples, Suggest formulae, Solve problems, Observe, Explain
Analyze (K4)	Problem-solving questions, Finish a procedure in many steps, Differentiate between various ideas, Map knowledge
Evaluate (K5)	Longer essay/ Evaluation essay, Critique or justify with pros and cons
Create (K6)	Check knowledge in specific or offbeat situations, Discussion, Debating or Presentations

Mapping with program outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	S	S	M	M	M	S	M	S
CO2	S	S	M	M	S	S	M	S
CO3	S	S	M	M	S	S	M	S
CO4	S	S	M	M	M	S	M	S
CO5	S	S	M	M	M	S	M	S

CO-PO Mapping (Course Articulation Matrix)

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to PO's	3.0	3.0	3.0	3.0	3.0