

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR



FACULTY LOG BOOK

Department : English

Faculty Name : S. Seevi tha

Class : III - B.A English

Title of the Paper : English Language Teaching

Subject Code : 16ACCEN15

Semester : VI

Academic Year 2022 2023

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR

TIME TABLE

Hour DO	I	II	III	IV	V
I					ELT
II			ELT		
III				ELT	
IV	ELT				
V		ELT			
VI				ELT	

S. Senthil
Faculty

M. MOUSU
15/12/22
HOD

M. S. N.
Principal

Syllabus

Unit : I Place of English in India

Place of English in India - Issues involved in the Teaching of English - English as Foreign Language, Second Language, and English for Specific purposes.

Unit : II Approaches and Methods

Approaches and Methods - Grammar Translation Method and Audio-lingual Method - Communicative Approach - Nature Approach - Content-based Instruction - Task-based Language Teaching.

Unit : III Teaching of Prose, Poetry, Drama, Grammar, Composition.

Teaching of Prose, Poetry, Drama, Grammar, Composition - Teaching LSRW skills.

Unit : IV Testing

Testing - Types of Tests - Characteristics of a Good Test - Preparation of Model Exercises and Questions.

Unit : V

Uses of Audio-Visual aids, Television and Language Lab in Teaching English

Objectives :

1. To educate students in both the artistry and Utility of the English Language through the
2. Study of Literature and other contemporary forms of Culture.
3. To make students aware of the students
4. Communicative skills, and to develop among them an ability to effectively communicate
5. In English, both in written and spoken models.

Outcomes :

1. Identify literary techniques and creative uses of language in literary texts.
2. Adapt their texts to particular audiences and purposes.
3. Articulate a thesis and present evidence to support it.
4. Find, evaluate, and use appropriate bibliographic materials in their texts.
- 5.

Inference :

The Advanced topic is not prescribed in the given syllabus so we additionally inserted Additional Module for the Advancement of Learning.

LESSON PLAN & EXECUTION - UNIT - I

Class & Semester : III B.A 2 VI Semester
 Name of the Subject : English Language Teaching
 Name of Faculty member : S. Jeetha.

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	15.12.22	Syllabus given / Introduction ELT	15.12.22	Black Board	
2	16.12.22	Place of English in India	16.12.22	Black Board	
3	17.12.22	Indian Education Commission	17.12.22	Black Board	
4	19.12.22	National Education Policy	19.12.22	PPT	
5	20.12.22	Kothari Commission	20.12.22	PPT	
6	21.12.22	Foreign Language, Second Language	21.12.22	Black Board	LEONE
7	22.12.22	English for specific purposes	22.12.22	Black Board	
8	23.12.22	Issues involved in the Teaching of English	23.12.22	Black Board	
9	24.12.22	English for special purposes	24.12.22	Flash card	
10	26.12.22	Second Language	26.12.22	Chart	University Room
11	27.12.22	NEP Explanation	27.12.22	P.P.T	
12	28.12.22	English Language purposes	28.12.22	Black Board	
13	29.12.22	Revision.	29.12.22	Black Board	
14	30.12.22	Revision	30.12.22	Black Board	
15					

Textbooks:

1. D.V. Jindal Pabinder Syal : An Introduction to
2. Linguistics and Synchronic Approaches.

Reference:

1. J.A Bright & G.P. Mc George : Teaching English as a
2. Second Language, Longman publisher Ghosh, Sastri, Das.

M. Gowda
Academic Representative

S. Jeetha
Subject In Charge

M. Muthu
2/1/23
HOD

M. Muthu
2/1/23
Principal

LESSON PLAN & EXECUTION - UNIT -II

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	2.01.23	Approaches and Methods	2.01.23	Black Board	
2	3.01.23	Grammar Translation Method	3.01.23	Black Board	
3	4.01.23	Audio-Lingual Method.	4.01.23	Black Board	
4	05.01.23	Communicative Approach	5.01.23	PPT	
5	06.01.23	Natural Approach	6.01.23	Black Board	
6	07.01.23	Content based Instruction	7.01.23	chart	Pongal Celebrations
7	09.01.23	Task based Instruction	9.01.23	PPT	
8	10.01.23	Task based Language Teaching	10.01.23	PPT	
9	11.01.23	Nature based Language	11.01.23	Black Board	
10	12.01.23	Revision	12.01.23	Black Board	
11	13.01.23	Revision / Test.	13.01.23	Black Board	
12	18.01.23	Seminar / Oral Test	18.01.23	chart	
13	19.01.23	Seminar / Oral Test	19.01.23	Black Board	
14					
15					

Textbooks:

- Bright, John A., G.P. McGregor. Approaches and Methods in Language Teaching: As a Second Language Longmans 1970.

Reference:

- Vasan guides
- Nagrain Series.

S.P.S. 13/1/23
Academic Representative

S. Senthil 13.01.23
Subject In Charge

M. Mohan 19/1/23
HOD

Meg
K
Principal

LESSON PLAN & EXECUTION - UNIT - III

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	20.1.23	Teaching of Prose	20.1.23	Black Board	
2	21.1.23	Teaching of Poetry	21.1.23	Black Board	
3	23.1.23	Teaching of drama	23.1.23	flash card	
4	24.1.23	Teaching of grammar	24.1.23	chart	
5	25.1.23	Teaching of Composition	25.1.23	Chart	
6	27.1.23	Teaching of LRSW Skills.	27.1.23	Black Board	
7	28.1.23	Merits of ELT	28.1.23	chart	
8	30.1.23	Uses of grammar	30.1.23	PPT	
9	01.02.23	Explanation Verbs	01.02.23	PPT	
10	02.02.23	Be form Verbs	02.02.23	Black Board	
11	03.02.23	Oral Discussion	04.02.23	Black Board	Leave
12	04.02.23	Oral Discussion	04.02.23	Black Board	
13	06.2.23	Seminar conducted	06.02.23	Flash card	
14	7.2.23	Written test	7.2.23	Blackboard	
15					

Textbooks:

1. Bright John A. G. P. McGregor, Approaches and
2. Methods in Language.

Reference:

1. Vasari guide
2. Narain. Serious

P. Lakshminayagi
Academic Representative

S. Senthil
Subject In Charge

H. Murali
8/2/23
HOD


Principal

LESSON PLAN & EXECUTION – UNIT -IV

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	8.2.23	Metaphysical Introduction	8.2.23	Black Board	
2	9.2.23	Author note	13.2.23	Black Board	Tow
3	10.2.23	Testing, Types of Tests.	13.2.23	Flash card	Tow
4	13.2.23	Characteristics of a goal Test	16.2.23	Black Board	
5	14.2.23	Types of Test	16.2.23	Chart	OD
6	16.2.23	Preparation of Model Exercises	17.2.23	PPT	
7	17.2.23	Preparation of Model Questions	17.2.23	PPT	
8	18.2.23	Evaluation.	18.2.23	Chart	
9	20.2.23	LSRW Explanation	20.2.23	PPT	
10	21.2.23	Activity Based Learning	21.2.23	PPT	
11	22.2.23	Seminar Conducted	23.2.23	Black Board	Leave.
12	23.2.23	Seminar Conducted.	23.2.23	Black Board	
13	24.2.23	Oral Test	24.2.23	PPT	
14					
15					

Textbooks:

1. Description and analysis. Cambridge UP. 1986
- 2.

Reference:

1. Vasan guides
- 2.

P. B...
27/2/23
Academic Representative

S. S...
Subject In Charge

M. M...
23/2/23
HOD

M...
Principal

LESSON PLAN & EXECUTION - UNIT - V

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	25.2.23	Use of Audio - Visual aids	25.2.23	B.B	
2	27.2.23	Television in Teaching English	27.2.23	BB	
3	28.2.23	Language Lab Teaching English	28.2.23	PPT	
4	1.3.23	Audio-Lingual Method	1.3.23	BB	
5	2.3.23	Video-Lingual Method	2.3.23	BB	
6	3.3.23	Grammar Translation Method	4.3.23	Smart Class	
7	6.3.23	Communicative Method	6.3.23	PPT	
8	7.3.23	Task based ELT	7.3.23	B.B	
9	9.3.23	ELT VS LSRW	9.3.23	BB	
10	10.3.23	Revision	10.3.23	chart	
11	11.3.23	Revision	11.3.23	Flash cards	
12	14.3.23	Test	14.3.23	BB	
13					
14					
15					

Textbooks:

1. Description and Analysis. Cambridge. U.P. 1986
- 2.

Reference:

1. Vasan guides
- 2.

S. Thirumala
25/3/23
Academic Representative

S. Senthil
25/3
Subject In Charge

M. Mohan
25/3/23
HOD

M. S. Senthil
25/3
Principal

STUDENTS PARTICULARS

S.No.	Roll No./ Reg. No.	Name of the Student	Category of the Student		
			A	B	C
1	CB20A143878	S. Anandhi			
2	CB20A143879	A. Bharathi			
3	CB20A143880	S. Bharathi			
4	CB20A143882	M. Mokila			
5	CB20A143884	M. Gowriya			
6	CB20A143885	N. Jeyanthi			
7	CB20A143888	R. Mukila			
8	CB20A143890	R. Nivethidha			
9	CB20A143891	R. Poo Varasi			
10	CB20A143892	J.M. Swetha Kaethuoi			
11	CB20A143895	S. Tharuja			
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CONTINUOUS INTERNAL ASSESSMENT I RESULT ANALYSIS

1. Date of the test / examination : 01.2.23
2. Total no. of Students : 11
3. No. of Students Appeared : 09
4. No. of Students Passed : 09
5. No. of Students failed : NIL
6. Pass Percentage : 100 %.

RESULT ANALYSIS

Passing minimum : 45

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students		3	1	2	3
(After Retest) No. of Students					

Me

S. Senthil
Subject In Charge

M. M. S. S.
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA I

Reason for Failure :

—

Corrective Action Proposed :

—

Recommendations & Remarks :

—

Coaching Details :

—

Subject In Charge

Class In charge

HoD

CONTINUOUS INTERNAL ASSESSMENT II RESULT ANALYSIS

1. Date of the test / examination : 01. 03 . 2023
2. Total no. of Students : 11
3. No. of Students Appeared : 10
4. No. of Students Passed : 09
5. No. of Students failed : 01
6. Pass Percentage : 90 %

RESULT ANALYSIS

Passing minimum : 40

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students 10	1	1	1	2	4
(After Retest) No. of Students		1			

S. Senthil
27/3/23
Subject In Charge

M. Mohan
27/3/23
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA II

Reason for Failure :

she can't able to understand the concept.

Corrective Action Proposed :

we conducted Remedial classes for slow learners.

Recommendations & Remarks :

Her performance was not well so we trained them for University Exam. and Model Exam.

Coaching Details :

- i) Test conducted.
- ii) Important questions revision.




Subject In Charge


Class In charge

M. MOBY
2/1/23
HoD

MODEL EXAM RESULT ANALYSIS

1. Date of the test / examination : 27.3.23
2. Name of the Examination : Model Examination
3. Total no. of Students : 11
4. No. of Students Appeared : 11
5. No. of Students Passed : 11
6. No. of Students failed : -
7. Pass Percentage : 100 %.

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students		2	6	1	2
(After Retest) No. of Students					

S. Jeevan
Subject In Charge

HOD

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR



FACULTY LOG BOOK

Department : Mathematics

Faculty Name : A. Dharani

Class : I - B.sc chemistry.

Title of the Paper : ODE, PDE, Laplace Transforms.
And Vector Analysis.

Subject Code : 22SCACMM2C

Semester : II

Academic Year 2022 - 2023

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR

TIME TABLE

Hour DO	I	II	III	IV	V
I		I-Bisc che			
II					
III					
IV					
V				I-Bisc che	I-Bisc che
VI				I-Bisc che	

A. Dhany
Faculty

18/12/22
HOD

MRS LKS
Principal

Syllabus

UNIT – I: Ordinary Differential Equation of first order but of higher degree — Equations solvable for x solvable for Clairaut's form (simple cases only) — Linear equations with constant coefficients — Finding Particular integrals in the cases of e^{ax} , $\sin(kx)$, $\cos(kx)$ (where k is a constant), x^n where n is a positive integer, and $e^{ax} f(x)$ where f(x) is any function of x-(only problems in all the above —No proof needed for any formula).

UNIT – II: Formation of Partial differential equations by eliminating constants and by elimination of arbitrary functions — definition of general, particular & complete solutions — Singular integral (geometrical meaning not required) — Solutions of first order equations in the standard forms- $f(p, q) = 0$, $f(x, p, q) = 0$, $f(y, p, q) = 0$, $f(z, p, q) = 0$, $f(x, p) = f(y, q)$, $z = xp + yq + f(p, q)$ - Lagrange's method of solving $Pp + Qq = R$, where P, Q, R are functions of x, y, z — (Geometrical Meaning is not needed)- (only problems in all the above — No proof needed for any formula).

UNIT – III: Laplace Transform — Definition — $L(e^{at})$, $L(\cos(at))$, $L(\sin(at))$, $L(t^n)$, where n is a positive integer. Basic theorems in Laplace Transforms (formula only)- $L[e^{at} \cos bt]$, $L[e^{at} \sin bt]$, $L[e^{at} f(t)]$ — $L[f(t)]$, $L[fi(t)]$, $L[f''(t)]$

UNIT – IV: Inverse Laplace Transforms related to the above standard forms-Solving Second Order ODE with constant coefficients using Laplace Transforms.

UNIT – V: Gradient of a vector — directional derivative — unit normal vector tangent plane — Divergence-Curl — solenoidal & irrotational vectors — Double operators Properties connecting grad., div., and curl of a vector

UNIT – VI CURRENT CONTOURS (For Continuous Internal Assessment Only):
Introduction to Linear Systems of Differential Equations

Course Objectives and Outcomes

Objectives :

1. To learn the basic concepts of differential equations and types of ODE
2. To know the first and higher order differential equations and types of PDE
3. To understand the Laplace transforms.
4. To learn the inverse Laplace transforms.
5. To know the gradient of vectors.

Outcomes :

1. The students learnt the basic concepts of differential equations and types of ODE
2. The students knew the first and higher order differential equations and types of PDE
3. They can understand the Laplace transforms.
4. The students learnt the inverse Laplace transforms
5. The students knew the gradient of vectors.

Inference :

Advanced topics are included in the syllabus. But also we innovatively included activity based learning to broaden the subject knowledge.

LESSON PLAN & EXECUTION - UNIT - I

Class & Semester : I- B.sc. chemistry & II
 Name of the Subject : ODE, PDE, Laplace Transforms And Vector Analysis.
 Name of Faculty member : A. Phareni

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	15.12.22	Ordinary Differential Equation of first order but of higher degree	15.12.22	Black Board	
2	27.12.22	Equations solvable for x	27.12.22	Black Board	
3	28.12.22	Equations solvable for y/dx.	3.1.23	Black Board	
4	29.12.22	clairaut's form (simple cases only)	4.1.23	Black Board	
5	5.1.23	Linear Equations with constant Co-efficients.	5.1.23	Black Board	
6	10.1.23	Finding Particular Integrals in the cases of e^{kx} , $\sin(kx)$, $\cos(kx)$	10.1.23	Black Board	
7	11.1.23	x^k where k is an positive integer	12.1.23	Black Board	CL
8	12.1.23	$e^{kx} f(x)$ where f(x) is any function of x.	20.1.23	BB	
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12					
13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Narayanan & T. K. Manicavachagom Pillay Differential Equation and its Applications, S. Viswanatham Publishers, 2015 (U-I, II, III, IV)
2. M. L. Kanna, Differential calculus, Saiprakashbharth and co, Maerit, 2004 (U-V)

K. Hanif
Academic Representative

A. Phareni
Subject In Charge

[Signature]
HOD

[Signature]
Principal

LESSON PLAN & EXECUTION - UNIT -II

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	20.1.23	Formation of Differential equations by eliminating constant	21.1.23	Black Board	
2	21.1.23	definition of general particular and complete solutions.	23.1.23	Black Board	
3	23.1.23	Singular Integral.	28.1.23	Black Board	
4	28.1.23	Solutions of first order equations in the standard form.	4.2.23	Black Board	
5	30.1.23	$f(p, q) = 0$, $f(x, p, q) = 0$, $f(y, p, q) = 0$.	6.2.23	Black Board	
6	31.1.23	$f(z, p, q) = 0$, $f(x, p) = f_1(p)$, $f_2(q)$. $Z = xp + yq + f_1(p) + f_2(q)$	6.2.23	Black Board	
7	4.2.23	Lagrange's method of solving $Pp + Qq = R$.	7.2.23	Black Board	
8	6.2.23	Lagrange's method of solving $Pp + Qq = R$ where P, Q, R are functions.	13.2.23	Black Board	
9					
10					
11					
12					
13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Narayanan, Differential Equations, S. Viswarathampublishers, 1996.
2. M. L. Khanna, Differential Calculus, Jain Prakashan and Co, Meerut


Academic Representative


Subject In Charge


HOD


Principal

LESSON PLAN & EXECUTION - UNIT -III

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	7.2.23	Laplace Transform	14.2.23	BB	
2	11.2.23	Definition - $L(e^{at})$	18.2.23	BB	TV
3	13.2.23	$L\{\cos(at)\}$, $L\{\sin(at)\}$	18.2.23	BB	BBP 25/2/23
4	14.2.23	$L\{t^n\}$, where n is a positive integer	20.2.23	BB	
5	18.2.23	Basic theorems on Laplace transform.	21.2.23	BB	
6	20.2.23	$L\{e^{-st}\cos bt\}$, $L\{e^{-st}\sin bt\}$	21.2.23	BB	
7	21.2.23	$L\{e^{-st}f(t)\}$, $L\{f(t)\}$.	25.2.23	BB	
8	25.2.23	$L\{f'(t)\}$, $L\{f''(t)\}$.	27.2.23	BB	
9					
10					
11					
12					
13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Narayanan, Differential Equations, S. Viswanatham publishers, 1996.
2. M. L. Khanna, Differential Calculus, Jai Prakash Nath and Co, Meerut - 2004.


Academic Representative


Subject In Charge


HOD


Principal

LESSON PLAN & EXECUTION - UNIT -IV

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	27.2.23	Introduction	28.2.23	BB	
2	28.2.23	Conditions of Inverse Laplace transforms.	7.3.23	BB	
3	4.3.23	Inverse Laplace transforms	11.3.23	BB	CTA Exam
4	6.3.23	related to the above standard forms	13.3.23	BB	CTA
5	7.3.23	Solving second order ODE	14.3.23	BB	
6	11.3.23	ODE with constant Co-efficient.	18.3.23	BB	
7	13.3.23	Using Laplace transforms	20.3.23	BB	
8	14.3.23	basic theorems in inverse Laplace transform	21.3.23	BB.	
9					
10					
11					
12					
13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Narayanan, Differential Equations, S. Viswanatham publishers, 1996.
2. M. L. Khanna, Differential Calculus, Jai Prakash Nath and Co. Muscatil.


Academic Representative


Subject In Charge


HOD


Principal

LESSON PLAN & EXECUTION - UNIT - V

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	27.3.23	Gradient of a Vector	28.3.23	PPT	...
2	28.3.23	Directional Derivative	29.3.23	PPT	
3	29.3.23	Unit Normal Vector	29.3.23	PPT	
4	3.4.23	Unit Normal Vector (continued)	3.4.23	PPT	
5	3.4.23	Tangent plane	3.4.23	PPT	
6	5.4.23	Divergence, (curl)	5.4.23	PPT	
7	6.4.23	Solenoidal & Irrotational Vectors	5.4.23	PPT	
8	6.4.23	Double Operator's properties (connecting grad, div, and curl) of Vectors	6.4.23	PPT	
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12					
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14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Nayanar Differential Equations, S. Viswanatham publishers, 1996
2. M. L. Khanna Differential Calculus, Jainprakashan and Co - Meerut 2004.


Academic Representative


Subject In Charge


HOD


Principal

STUDENTS PARTICULARS

S.No.	Roll No./ Reg. No.	Name of the Student	Category of the Student		
			A	B	C
1	CB22S 609841	FURHANA NOWFA .K	✓		
2	CB22S 609842	HABIBAA .K	✓		
3	CB22S 609843	INDHUMATHI .P		✓	
4	CB22S 609844	KANTKA .P		✓	
5	CB22S 609845	MALINI .P	✓		
6	CB22S 609846	MANORANJANI .P		✓	
7	CB22S 609847	PRIYADHARSHINI .S			✓
8	CB22S 609848	SANTHIYA .P			✓
9	CB22S 609849	SANTHOSHINI .V		✓	
10	CB22S 609850	SHARMILA .V			✓
11	CB22S 609851	SUVITHRA .S		✓	
12	CB22S 609852	VIGNASHWARI .G			✓
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CONTINUOUS INTERNAL ASSESSMENT I RESULT ANALYSIS

1. Date of the test / examination : 1, 2, 23 of DDE, PDE, Laplace transform and vector analysis.
2. Total no. of Students : 12
3. No. of Students Appeared : 10
4. No. of Students Passed : 7
5. No. of Students failed : 3
6. Pass Percentage : 70%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	2	4	1	1	2
(After Retest) No. of Students					


 Subject In Charge


 HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA I

Reason for Failure :

The student misunderstood the questions and they got confused in their steps

Corrective Action Proposed :

slip test conducted for failure students to improve their internal marks


Recommendations & Remarks :

We coached them for university ranks.

Coaching Details :





- * Important questions given
- * Conducted the slip test
- * previous years questions given.


Subject In Charge


Class In charge


HoD

REMEDIAL CLASS ATTENDANCE FOR CIA I

S.NO	Roll.No / Reg.Number	Name of the Student	Feb. DATE			
			2	3	4	5
1	CB22S 609843	P. Indhumathi	x	x	x	x
2	CB22S 609846	P. Manoranjani	x	x	x	x
3	CB22S 609848	P. Santhiya	x	x	x	x
4	CB22S 609810	V. Sharmila	x	x	x	x
5	CB22S 609811	S. Suvithra	x	x	x	x
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Faculty Signature						

CONTINUOUS INTERNAL ASSESSMENT II RESULT ANALYSIS

1. Date of the test / examination : 3 / 3 / 23
2. Total no. of Students : 12
3. No. of Students Appeared : 10
4. No. of Students Passed : 7
5. No. of Students failed : 3
6. Pass Percentage : 70%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	3	1	3	3	
(After Retest) No. of Students					

de

A. Dhari
23/3/23
Subject In Charge

HOD
23/3/23
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA II

Reason for Failure :

The student misunderstood the questions and they got confused in their steps.

Corrective Action Proposed :

Slip test conducted for failure students to improve their internal marks.

Recommendations & Remarks :

We coached them for university rank.

Coaching Details :

- * Important questions given
- * Conducted the slip test
- * previous year questions given.

A. Dhanraj
5/3/23
Subject In Charge

V. Chandu
26/3/20
Class In Charge

5/3/23
HoD

MODEL EXAM RESULT ANALYSIS

1. Date of the test / examination : 30.3.23.
2. Name of the Examination : Model Exam
3. Total no. of Students : 12
4. No. of Students Appeared : 12
5. No. of Students Passed : 6
6. No. of Students failed : 6
7. Pass Percentage : 50%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	6	1	1	1	3
(After Retest) No. of Students					

A. Dhari
Subject In Charge

9/4/23
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR MODEL EXAM

Reason for Failure :

The student misunderstood the questions and they got confused in their steps.

Corrective Action Proposed :

Slip test conducted for failure students.

Recommendations & Remarks :

We coached them for university Exams.

Coaching Details :



- * Important Questions given
- * Conducted the slip test
- * previous year Question given.

A. Shrivastava
Subject In Charge

M. Shrivastava
Class In charge

P. Shrivastava
HoD

REMEDIAL CLASS ATTENDANCE FOR MODEL

S.NO	Reg.No / Reg.Number	Name of the Student	DATE			
			2	4	5	6
1	CB22S 609843	P. Indhumathi	x	x	x	x
2	CB22S 609846	P. Manojanani	x	x	x	x
3	CB22S 609847	S. Priyadharshini	x	x	x	x
4	CB22S 609848	P. Santhiya	x	x	x	x
5	CB22S 609849	V. Santhasini	x	x	x	x
6	CB22S 609850	V. Sharmila	x	x	x	x
7	CB22S 609851	S. Suvithra	x	x	x	x
8	CB22S 609852	G. Vigneshwari	x	x	x	x
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Faculty Signature						

UNIVERSITY EXAMINATION RESULT ANALYSIS

DATE OF THE EXAMINATION : 9.6.23.

YEAR	No. of Students Appeared	No. of Students Passed	No. of Students Failed	% of Pass	% of Failure	Higher Mark	Faculty Handled	Department
Previous Year	11	11	-	100%	-	98	S. Gousalya	Mathematics
Current Year	12	12	-	100%	-	94	A. Dharm -ni	Mathematics

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	-	-	-	-	12
(After Arrear Exams) No. of Students					

A. Dharm
13/9/23
Subject In Charge

S. Gousalya
Class In charge

S. Gousalya
HoD

M. S. Kulkarni
Principal

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR



FACULTY LOG BOOK

Department : Mathematics

Faculty Name : A. Dharani

Class : I - B.sc chemistry.

Title of the Paper : ODE, PDE, Laplace Transforms.
And Vector Analysis.

Subject Code : 22SCACMM2C

Semester : II

Academic Year 2022 - 2023

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR

TIME TABLE

Hour DO	I	II	III	IV	V
I		I-Bisc che			
II					
III					
IV					
V				I-Bisc che	I-Bisc che
VI				I-Bisc che	

A. Dhany
Faculty

18/12/22
HOD

MGS
LGS
Principal

Syllabus

UNIT – I: Ordinary Differential Equation of first order but of higher degree — Equations solvable for x solvable for Clairaut's form (simple cases only) — Linear equations with constant coefficients — Finding Particular integrals in the cases of e^{ax} , $\sin(kx)$, $\cos(kx)$ (where k is a constant), x^n where n is a positive integer, and $e^{ax} f(x)$ where f(x) is any function of x-(only problems in all the above —No proof needed for any formula).

UNIT – II: Formation of Partial differential equations by eliminating constants and by elimination of arbitrary functions — definition of general, particular & complete solutions — Singular integral (geometrical meaning not required) — Solutions of first order equations in the standard forms- $f(p, q) = 0$, $f(x, p, q) = 0$, $f(y, p, q) = 0$, $f(z, p, q) = 0$, $f(x, p) = f(y, q)$, $z = xp + yq + f(p, q)$ - Lagrange's method of solving $Pp + Qq = R$, where P, Q, R are functions of x, y, z — (Geometrical Meaning is not needed)- (only problems in all the above — No proof needed for any formula).

UNIT – III: Laplace Transform — Definition — $L(e^{at})$, $L(\cos(at))$, $L(\sin(at))$, $L(t^n)$, where n is a positive integer. Basic theorems in Laplace Transforms (formula only)- $L[e^{at} \cos bt]$, $L[e^{at} \sin bt]$, $L[e^{at} f(t)]$ — $L[f(t)]$, $L[fi(t)]$, $L[f''(t)]$

UNIT – IV: Inverse Laplace Transforms related to the above standard forms-Solving Second Order ODE with constant coefficients using Laplace Transforms.

UNIT – V: Gradient of a vector — directional derivative — unit normal vector tangent plane — Divergence-Curl — solenoidal & irrotational vectors — Double operators Properties connecting grad., div., and curl of a vector

UNIT – VI CURRENT CONTOURS (For Continuous Internal Assessment Only):
Introduction to Linear Systems of Differential Equations

Course Objectives and Outcomes

Objectives :

1. To learn the basic concepts of differential equations and types of ODE
2. To know the first and higher order differential equations and types of PDE
3. To understand the Laplace transforms.
4. To learn the inverse Laplace transforms.
5. To know the gradient of vectors.

Outcomes :

1. The students learnt the basic concepts of differential equations and types of ODE
2. The students knew the first and higher order differential equations and types of PDE
3. They can understand the Laplace transforms.
4. The students learnt the inverse Laplace transforms
5. The students knew the gradient of vectors.

Inference :

Advanced topics are included in the syllabus. But also we innovatively included activity based learning to broaden the subject knowledge.

LESSON PLAN & EXECUTION - UNIT - I

Class & Semester : I- B.sc. chemistry & II
 Name of the Subject : ODE, PDE, Laplace Transforms And Vector Analysis.
 Name of Faculty member : A. Phareni

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	15.12.22	Ordinary Differential Equation of first order but of higher degree	15.12.22	Black Board	
2	27.12.22	Equations solvable for x	27.12.22	Black Board	
3	28.12.22	Equations solvable for y/dx.	3.1.23	Black Board	
4	29.12.22	clairaut's form (simple cases only)	4.1.23	Black Board	
5	5.1.23	Linear Equations with constant Co-efficients.	5.1.23	Black Board	
6	10.1.23	Finding Particular Integrals in the cases of e^{kx} , $\sin(kx)$, $\cos(kx)$	10.1.23	Black Board	
7	11.1.23	x^k where k is an positive integer	12.1.23	Black Board	CL
8	12.1.23	$e^{kx} f(x)$ where f(x) is any function of x.	20.1.23	BB	
9					
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11					
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13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Narayanan & T. K. Manicavachagom Pillay Differential Equation and its Applications, S. Viswanatham Publishers, 2015 (U-I, II, III, IV)
2. M. L. Kanna, Differential calculus, Saiprakashbharth and co, Maerit, 2004 (U-V)

K. Hanif
Academic Representative

A. Phareni
Subject In Charge

[Signature]
HOD

[Signature]
Principal

LESSON PLAN & EXECUTION - UNIT -II

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	20.1.23	Formation of Differential equations by eliminating constant	21.1.23	Black Board	
2	21.1.23	definition of general particular and complete solutions.	23.1.23	Black Board	
3	23.1.23	Singular Integral.	28.1.23	Black Board	
4	28.1.23	Solutions of first order equations in the standard form.	4.2.23	Black Board	
5	30.1.23	$f(p, q) = 0$, $f(x, p, q) = 0$, $f(y, p, q) = 0$.	6.2.23	Black Board	
6	31.1.23	$f(z, p, q) = 0$, $f(x, p) = f_1(p)$, $f_2(q)$. $Z = xp + yq + f_1(p) + f_2(q)$	6.2.23	Black Board	
7	4.2.23	Lagrange's method of solving $Pp + Qq = R$.	7.2.23	Black Board	
8	6.2.23	Lagrange's method of solving $Pp + Qq = R$ where P, Q, R are functions.	13.2.23	Black Board	
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15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Narayanan, Differential Equations, S. Viswarathampublishers, 1996.
2. M. L. Khanna, Differential Calculus, Jain prakashinath and co, mumbai


Academic Representative


Subject In Charge


HOD


Principal

LESSON PLAN & EXECUTION - UNIT -III

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	7.2.23	Laplace Transform	14.2.23	BB	
2	11.2.23	Definition - $L(e^{at})$	18.2.23	BB	TV
3	13.2.23	$L\{\cos(at)\}$, $L\{\sin(at)\}$	18.2.23	BB	BBP 25/2/23
4	14.2.23	$L\{t^n\}$, where n is a positive integer	20.2.23	BB	
5	18.2.23	Basic theorems on Laplace transform.	21.2.23	BB	
6	20.2.23	$L\{e^{-st}\cos bt\}$, $L\{e^{-st}\sin bt\}$	21.2.23	BB	
7	21.2.23	$L\{e^{-st}f(t)\}$, $L\{f(t)\}$.	25.2.23	BB	
8	25.2.23	$L\{f'(t)\}$, $L\{f''(t)\}$.	27.2.23	BB	
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14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Narayanan, Differential Equations, S. Viswanatham publishers, 1996.
2. M. L. Khanna, Differential Calculus, Jai Prakash Nath and Co, Meerut - 2004.


Academic Representative


Subject In Charge


HOD


Principal

LESSON PLAN & EXECUTION - UNIT -IV

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	27.2.23	Introduction	28.2.23	BB	
2	28.2.23	Conditions of Inverse Laplace transforms.	7.3.23	BB	
3	4.3.23	Inverse Laplace transforms	11.3.23	BB	CTA Exam
4	6.3.23	related to the above standard forms	13.3.23	BB	CTA
5	7.3.23	Solving second order ODE	14.3.23	BB	
6	11.3.23	ODE with constant Co-efficient.	18.3.23	BB	
7	13.3.23	Using Laplace transforms	20.3.23	BB	
8	14.3.23	basic theorems in inverse Laplace transform	21.3.23	BB.	
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Textbooks:

- 1.
- 2.

Reference:

1. S. Narayanan, Differential Equations, S. Viswanatham publishers, 1996.
2. M. L. Khanna, Differential Calculus, Jainprakashan and Co. mumbai.


Academic Representative


Subject In Charge


HOD


Principal

LESSON PLAN & EXECUTION - UNIT - V

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	27.3.23	Gradient of a Vector	28.3.23	PPT	
2	28.3.23	Directional Derivative	29.3.23	PPT	
3	29.3.23	Unit Normal Vector	29.3.23	PPT	
4	3.4.23	Unit Normal Vector (continued)	3.4.23	PPT	
5	3.4.23	Tangent plane	3.4.23	PPT	
6	5.4.23	Divergence, (curl)	5.4.23	PPT	
7	6.4.23	Solenoidal & Irrotational Vectors	5.4.23	PPT	
8	6.4.23	Double Operator's properties (connecting grad, div, and curl) of Vectors	6.4.23	PPT	
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15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Nayanar Differential Equations, S. Viswanatham publishers, 1996
2. M. L. Khanna Differential Calculus, Jainprakashan and Co - Meerut 2004.


Academic Representative


Subject In Charge


HOD


Principal

STUDENTS PARTICULARS

S.No.	Roll No./ Reg. No.	Name of the Student	Category of the Student		
			A	B	C
1	CB22S 609841	FURHANA NOWFA .K	✓		
2	CB22S 609842	HABIBAA .K	✓		
3	CB22S 609843	INDHUMATHI .P		✓	
4	CB22S 609844	KANTIKA .P		✓	
5	CB22S 609845	MALINI .P	✓		
6	CB22S 609846	MANORANJANI .P		✓	
7	CB22S 609847	PRIYADHARSHINI .S			✓
8	CB22S 609848	SANTHIYA .P			✓
9	CB22S 609849	SANTHOSHINI .V		✓	
10	CB22S 609850	SHARMILA .V			✓
11	CB22S 609851	SUVITHRA .S		✓	
12	CB22S 609852	VIGNASHWARI .G			✓
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CONTINUOUS INTERNAL ASSESSMENT I RESULT ANALYSIS

1. Date of the test / examination : 1, 2, 23 of DDE, PDE, Laplace transform and vector analysis.
2. Total no. of Students : 12
3. No. of Students Appeared : 10
4. No. of Students Passed : 7
5. No. of Students failed : 3
6. Pass Percentage : 70%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	2	4	1	1	2
(After Retest) No. of Students					


 Subject In Charge


 HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA I

Reason for Failure :

The student misunderstood the questions and they got confused in their steps

Corrective Action Proposed :

slip test conducted for failure students to improve their internal marks


Recommendations & Remarks :

We coached them for university ranks.

Coaching Details :





- * Important questions given
- * Conducted the slip test
- * previous year questions given.


Subject In Charge


Class In charge


HoD

REMEDIAL CLASS ATTENDANCE FOR CIA I

S.NO	Roll.No / Reg.Number	Name of the Student	Feb. DATE			
			2	3	4	5
1	CB22S 609843	P. Indhumathi	x	x	x	x
2	CB22S 609846	P. Manoranjani	x	x	x	x
3	CB22S 609848	P. Santhiya	x	x	x	x
4	CB22S 609850	V. Sharmila	x	x	x	x
5	CB22S 609851	S. Suvithra	x	x	x	x
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Faculty Signature						

CONTINUOUS INTERNAL ASSESSMENT II RESULT ANALYSIS

1. Date of the test / examination : 3 / 3 / 23
2. Total no. of Students : 12
3. No. of Students Appeared : 10
4. No. of Students Passed : 7
5. No. of Students failed : 3
6. Pass Percentage : 70%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	3	1	3	3	
(After Retest) No. of Students					

de

A. Dhari
23/3/23
Subject In Charge

H. H. H.
23/3/23
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA II

Reason for Failure :

The student misunderstood the questions and they got confused in their steps.

Corrective Action Proposed :

Slip test conducted for failure students to improve their internal marks.

Recommendations & Remarks :

We coached them for university rank.

Coaching Details :

- * Important questions given
- * Conducted the slip test
- * previous year questions given.

A. Dhanraj
5/3/23
Subject In Charge

V. Chandu
26/3/20
Class In Charge

5/3/23
HoD

MODEL EXAM RESULT ANALYSIS

1. Date of the test / examination : 30.3.23.
2. Name of the Examination : Model Exam
3. Total no. of Students : 12
4. No. of Students Appeared : 12
5. No. of Students Passed : 6
6. No. of Students failed : 6
7. Pass Percentage : 50%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	6	1	1	1	3
(After Retest) No. of Students					

A. Dhari
Subject In Charge

9/4/23
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR MODEL EXAM

Reason for Failure :

The student misunderstood the questions and they got confused in their steps.

Corrective Action Proposed :

Slip test conducted for failure students.

Recommendations & Remarks :

We coached them for university Exams.

Coaching Details :






- * Important Questions given
- * Conducted the slip test
- * previous year Question given.

A. Shrivastava
Subject In Charge

M. Shrivastava
Class In charge

P. Shrivastava
HoD

REMEDIAL CLASS ATTENDANCE FOR MODEL

S.NO	Reg.No / Reg.Number	Name of the Student	DATE			
			2	4	5	6
1	CB225 609843	P. Indhumathi	x	x	x	x
2	CB225 609846	P. Manojanani	x	x	x	x
3	CB225 609847	S. Priyadharsini	x	x	x	x
4	CB225 609848	P. Santhiya	x	x	x	x
5	CB225 609849	V. Santhasini	x	x	x	x
6	CB225 609850	V. Sharmila	x	x	x	x
7	CB225 609851	S. Suvithra	x	x	x	x
8	CB225 609852	G. Vigneshwari	x	x	x	x
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Faculty Signature						

UNIVERSITY EXAMINATION RESULT ANALYSIS

DATE OF THE EXAMINATION : 9.6.23.

YEAR	No. of Students Appeared	No. of Students Passed	No. of Students Failed	% of Pass	% of Failure	Higher Mark	Faculty Handled	Department
Previous Year	11	11	-	100%	-	98	S. Gousalya	Mathematics
Current Year	12	12	-	100%	-	94	A. Dharm -ni	Mathematics

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	-	-	-	-	12
(After Arrear Exams) No. of Students					


 A. Dharm
 13/9/23
 Subject In Charge


 Class In charge


 HoD


 Principal

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR



FACULTY LOG BOOK

Department : Mathematics

Faculty Name : A. Dharani

Class : I - B.sc chemistry.

Title of the Paper : ODE, PDE, Laplace Transforms.
And Vector Analysis.

Subject Code : 22SCACMM2C

Semester : II

Academic Year 2022 - 2023

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR

TIME TABLE

Hour DO	I	II	III	IV	V
I		I-Bisc che			
II					
III					
IV					
V				I-Bisc che	I-Bisc che
VI				I-Bisc che	

A. Dhany
Faculty

18/12/22
HOD

MGS
LGS
Principal

Syllabus

UNIT – I: Ordinary Differential Equation of first order but of higher degree — Equations solvable for x solvable for Clairaut's form (simple cases only) — Linear equations with constant coefficients — Finding Particular integrals in the cases of e^{ax} , $\sin(kx)$, $\cos(kx)$ (where k is a constant), x^n where k is a positive integer, and $e^{ax} f(x)$ where $f(x)$ is any function of x -(only problems in all the above — No proof needed for any formula).

UNIT – II: Formation of Partial differential equations by eliminating constants and by elimination of arbitrary functions — definition of general, particular & complete solutions — Singular integral (geometrical meaning not required) — Solutions of first order equations in the standard forms- $f(p, q) = 0$, $f(x, p, q) = 0$, $f(y, p, q) = 0$, $f(z, p, q) = 0$, $f(x, p) = f(y, q)$, $z = xp + yq + f(p, q)$ - Lagrange's method of solving $Pp + Qq = R$, where P, Q, R are functions of x, y, z — (Geometrical Meaning is not needed)- (only problems in all the above — No proof needed for any formula).

UNIT – III: Laplace Transform — Definition — $L(e^{at})$, $L(\cos(at))$, $L(\sin(at))$, $L(t^n)$, where n is a positive integer. Basic theorems in Laplace Transforms (formula only)- $L[e^{at} \cos bt]$, $L[e^{at} \sin bt]$, $L[e^{at} f(t)]$ — $L[f(t)]$, $L[fi(t)]$, $L[f''(t)]$

UNIT – IV: Inverse Laplace Transforms related to the above standard forms-Solving Second Order ODE with constant coefficients using Laplace Transforms.

UNIT – V: Gradient of a vector — directional derivative — unit normal vector tangent plane — Divergence-Curl — solenoidal & irrotational vectors — Double operators Properties connecting grad., div., and curl of a vector

UNIT – VI CURRENT CONTOURS (For Continuous Internal Assessment Only):
Introduction to Linear Systems of Differential Equations

Course Objectives and Outcomes

Objectives :

1. To learn the basic concepts of differential equations and types of ODE
2. To know the first and higher order differential equations and types of PDE
3. To understand the Laplace transforms.
4. To learn the inverse Laplace transforms.
5. To know the gradient of vectors.

Outcomes :

1. The students learnt the basic concepts of differential equations and types of ODE
2. The students knew the first and higher order differential equations and types of PDE
3. They can understand the Laplace transforms.
4. The students learnt the inverse Laplace transforms
5. The students knew the gradient of vectors.

Inference :

Advanced topics are included in the syllabus. But also we innovatively included activity based learning to broaden the subject knowledge.

LESSON PLAN & EXECUTION - UNIT - I

Class & Semester : I- B.sc. chemistry & II
 Name of the Subject : ODE, PDE, Laplace Transforms And Vector Analysis.
 Name of Faculty member : A. Phareni

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	15.12.22	Ordinary Differential Equation of first order but of higher degree	15.12.22	Black Board	
2	27.12.22	Equations solvable for x	27.12.22	Black Board	
3	28.12.22	Equations solvable for dy/dx.	3.1.23	Black Board	
4	29.12.22	clairaut's form (simple cases only)	4.1.23	Black Board	
5	5.1.23	Linear Equations with constant Co-efficients.	5.1.23	Black Board	
6	10.1.23	Finding Particular Integrals in the cases of e^{kx} , $\sin(kx)$, $\cos(kx)$	10.1.23	Black Board	
7	11.1.23	x^k where k is an positive integer	12.1.23	Black Board	CL
8	12.1.23	$e^{kx} f(x)$ where f(x) is any function of x.	20.1.23	BB	
9					
10					
11					
12					
13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Narayanan & T.K. Manicavachagom Pillay Differential Equation and its Applications, S. Viswanatham Publishers, 2015 (U-I, II, III, IV)
2. M.L. Kanna, Differential calculus, Saiprakashbharth and co, Maerit, 2004 (U-V)

K. Hanf
Academic Representative

A. Phareni
Subject In Charge

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HOD

[Signature]
Principal

LESSON PLAN & EXECUTION - UNIT -II

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	20.1.23	Formation of Differential equations by eliminating constant	21.1.23	Black Board	
2	21.1.23	definition of general particular and complete solutions.	23.1.23	Black Board	
3	23.1.23	Singular Integral.	28.1.23	Black Board	
4	28.1.23	Solutions of first order equations in the standard form.	4.2.23	Black Board	
5	30.1.23	$f(p, q) = 0$, $f(x, p, q) = 0$, $f(y, p, q) = 0$.	6.2.23	Black Board	
6	31.1.23	$f(z, p, q) = 0$, $f(x, p) = f_1(p)$, $f_2(q)$. $Z = xp + yq + f_1(p) + f_2(q)$	6.2.23	Black Board	
7	4.2.23	Lagrange's method of solving $Pp + Qq = R$.	7.2.23	Black Board	
8	6.2.23	Lagrange's method of solving $Pp + Qq = R$ where P, Q, R are functions.	13.2.23	Black Board	
9					
10					
11					
12					
13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Narayanan, Differential Equations, S. Viswarathampublishers, 1996.
2. M. L. Khanna, Differential Calculus, Jain Prakashan and Co, Meerut


Academic Representative


Subject In Charge


HOD


Principal

LESSON PLAN & EXECUTION - UNIT - III

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	7.2.23	Laplace Transform	14.2.23	BB	
2	11.2.23	Definition - $L(e^{at})$	18.2.23	BB	TV
3	13.2.23	$L\{\cos(at)\}$, $L\{\sin(at)\}$	18.2.23	BB	BBP 25/2/23
4	14.2.23	$L\{t^n\}$, where n is a positive integer	20.2.23	BB	
5	18.2.23	Basic theorems on Laplace transform.	21.2.23	BB	
6	20.2.23	$L\{e^{-st}\cos bt\}$, $L\{e^{-st}\sin bt\}$	21.2.23	BB	
7	21.2.23	$L\{e^{-st}f(t)\}$, $L\{f(t)\}$.	25.2.23	BB	
8	25.2.23	$L\{f'(t)\}$, $L\{f''(t)\}$.	27.2.23	BB	
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12					
13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Narayanan, Differential Equations, S. Viswanatham publishers, 1996.
2. M. L. Khanna, Differential Calculus, Jai Prakash Nath and Co, Meerut - 2004.


Academic Representative


Subject In Charge


HOD


Principal

LESSON PLAN & EXECUTION - UNIT -IV

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	27.2.23	Introduction	28.2.23	BB	
2	28.2.23	Conditions of Inverse Laplace transforms.	7.3.23	BB	
3	4.3.23	Inverse Laplace transforms	11.3.23	BB	CTA Exam
4	6.3.23	related to the above standard forms	13.3.23	BB	CTA
5	7.3.23	Solving second order ODE	14.3.23	BB	
6	11.3.23	ODE with constant Co-efficient.	18.3.23	BB	
7	13.3.23	Using Laplace transforms	20.3.23	BB	
8	14.3.23	basic theorems in inverse Laplace transform	21.3.23	BB.	
9					
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14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Narayanan, Differential Equations, S. Viswanatham publishers, 1996.
2. M. L. Khanna, Differential Calculus, Jainprakashan and Co. mumbai.


Academic Representative


Subject In Charge


HOD


Principal

LESSON PLAN & EXECUTION - UNIT - V

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	27.3.23	Gradient of a Vector	28.3.23	PPT	
2	28.3.23	Directional Derivative	29.3.23	PPT	
3	29.3.23	Unit Normal Vector	29.3.23	PPT	
4	3.4.23	Unit Normal Vector (continued)	3.4.23	PPT	
5	3.4.23	Tangent plane	3.4.23	PPT	
6	5.4.23	Divergence, (curl)	5.4.23	PPT	
7	6.4.23	Solenoidal & Irrotational Vectors	5.4.23	PPT	
8	6.4.23	Double Operator's properties (connecting grad, div, and curl) of Vectors	6.4.23	PPT	
9					
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13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. S. Nayanar Differential Equations, S. Viswanatham publishers, 1996
2. M. L. Khanna Differential Calculus, Jainprakashan and Co - Meerut 2004.


Academic Representative


Subject In Charge


HOD


Principal

STUDENTS PARTICULARS

S.No.	Roll No./ Reg. No.	Name of the Student	Category of the Student		
			A	B	C
1	CB22S 609841	FURHANA NOWFA .K	✓		
2	CB22S 609842	HABIBAA .K	✓		
3	CB22S 609843	INDHUMATHI .P		✓	
4	CB22S 609844	KANTKA .P		✓	
5	CB22S 609845	MALINI .P	✓		
6	CB22S 609846	MANORANJANI .P		✓	
7	CB22S 609847	PRIYADHARSHINI .S			✓
8	CB22S 609848	SANTHIYA .P			✓
9	CB22S 609849	SANTHOSHINI .V		✓	
10	CB22S 609850	SHARMILA .V			✓
11	CB22S 609851	SUVITHRA .S		✓	
12	CB22S 609852	VIGNASHWARI .G			✓
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CONTINUOUS INTERNAL ASSESSMENT I RESULT ANALYSIS

1. Date of the test / examination : 1, 2, 23 of DDE, PDE, Laplace transform and vector analysis.
2. Total no. of Students : 12
3. No. of Students Appeared : 10
4. No. of Students Passed : 7
5. No. of Students failed : 3
6. Pass Percentage : 70%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	2	4	1	1	2
(After Retest) No. of Students					


 Subject In Charge


 HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA I

Reason for Failure :

The student misunderstood the questions and they got confused in their steps

Corrective Action Proposed :

slip test conducted for failure students to improve their internal marks


Recommendations & Remarks :

We coached them for university ranks.

Coaching Details :





- * Important questions given
- * Conducted the slip test
- * previous year questions given.


Subject In Charge


Class In charge


HoD

REMEDIAL CLASS ATTENDANCE FOR CIA I

S.NO	Roll.No / Reg.Number	Name of the Student	Feb. DATE			
			2	3	4	5
1	CB22S 609843	P. Indhumathi	x	x	x	x
2	CB22S 609846	P. Manoranjani	x	x	x	x
3	CB22S 609848	P. Santhiya	x	x	x	x
4	CB22S 609850	V. Sharmila	x	x	x	x
5	CB22S 609851	S. Suvithra	x	x	x	x
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Faculty Signature						

CONTINUOUS INTERNAL ASSESSMENT II RESULT ANALYSIS

1. Date of the test / examination : 3 / 3 / 23
2. Total no. of Students : 12
3. No. of Students Appeared : 10
4. No. of Students Passed : 7
5. No. of Students failed : 3
6. Pass Percentage : 70%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	3	1	3	3	
(After Retest) No. of Students					

de

A. Dhari
23/3/23
Subject In Charge

HOD
23/3/23
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA II

Reason for Failure :

The student misunderstood the questions and they got confused in their steps.

Corrective Action Proposed :

Slip test conducted for failure students to improve their internal marks.

Recommendations & Remarks :

We coached them for university rank.

Coaching Details :

- * Important questions given
- * Conducted the slip test
- * previous year questions given.

A. Dhanraj
5/3/23
Subject In Charge

V. Chandu
26/3/20
Class In Charge

5/3/23
HoD

MODEL EXAM RESULT ANALYSIS

1. Date of the test / examination : 30.3.23.
2. Name of the Examination : Model Exam
3. Total no. of Students : 12
4. No. of Students Appeared : 12
5. No. of Students Passed : 6
6. No. of Students failed : 6
7. Pass Percentage : 50%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	6	1	1	1	3
(After Retest) No. of Students					

A. Phay
Subject In Charge

9/4/23
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR MODEL EXAM

Reason for Failure :

The student misunderstood the questions and they got confused in their steps.

Corrective Action Proposed :

Slip test conducted for failure students.

Recommendations & Remarks :

We coached them for university Exams.

Coaching Details :



- * Important Questions given
- * Conducted the slip test
- * previous year Question given.

A. Shrivastava
Subject In Charge

M. Shrivastava
Class In charge

P. Shrivastava
HoD

REMEDIAL CLASS ATTENDANCE FOR MODEL

S.NO	Reg.No / Reg.Number	Name of the Student	DATE			
			2	4	5	6
1	CB22S 609843	P. Indhumathi	x	x	x	x
2	CB22S 609846	P. Manojanani	x	x	x	x
3	CB22S 609847	S. Priyadharshini	x	x	x	x
4	CB22S 609848	P. Santhiya	x	x	x	x
5	CB22S 609849	V. Santhasini	x	x	x	x
6	CB22S 609850	V. Sharmila	x	x	x	x
7	CB22S 609851	S. Suvithra	x	x	x	x
8	CB22S 609852	G. Vigneshwari	x	x	x	x
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Faculty Signature						

UNIVERSITY EXAMINATION RESULT ANALYSIS

DATE OF THE EXAMINATION : 9.6.23.

YEAR	No. of Students Appeared	No. of Students Passed	No. of Students Failed	% of Pass	% of Failure	Higher Mark	Faculty Handled	Department
Previous Year	11	11	-	100%	-	98	S. Gousalya	Mathematics
Current Year	12	12	-	100%	-	94	A. Dharm -ni	Mathematics

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	-	-	-	-	12
(After Arrear Exams) No. of Students					

A. Dharm
13/9/23
Subject In Charge

S. Gousalya
Class In charge

S. Gousalya
HoD

M. S. Kulkarni
Principal

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR



FACULTY LOG BOOK

Department : Mathematics

Faculty Name : S. Gowsalya

Class : ii - B.Sc

Title of the Paper : vector calculus and Fourier series

Subject Code : 16SECCMM7

Semester : 1y

Academic Year 2022 2023

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR

TIME TABLE

Hour DO	I	II	III	IV	V
I				II-B.Sc	
II			II-B.Sc		
III			II-B.Sc		
IV					II-B.Sc
V					
VI					

Aranya S
Faculty

14/12/22
HOD

M.S.
Principal

Syllabus

UNIT I:

Vector differentiation – velocity & acceleration – Vector & scalar fields – Gradient of a vector – Directional derivative – divergence & curl of a vector solinoidal & irrotational vectors – Laplacian double operator – simple problems

UNIT II:

Vector integration – Tangential line integral – Conservative force field – scalar potential Work done by a force – Normal surface integral – Volume integral – simple problems.

UNIT III:

Gauss Divergence Theorem – Stoke's Theorem – Green's Theorem – Simple problems & Verification of the theorems for simple problems.

UNIT IV:

Fourier series- definition - Fourier Series expansion of periodic functions with Period 2π and period $2a$ – Use of odd & even functions in Fourier Series.

UNIT V:

Half-range Fourier Series – definition- Development in Cosine series & in Sine series Change of interval – Combination of series

Course Objectives and Outcomes

Objectives :

1. To study about the students for vector differentiation.
2. To enlighten the students in integration.
3. To enlighten the students for Stokes, Gauss and Green's theorems and problems.
4. To study about this chapter for Fourier series and its functions.
5. To study about the Half range Fourier series.

Outcomes :

1. Students were studied about vector differentiation.
2. They were understood the concepts in integration and able to solve the problems.
3. The students were able to solve the problems ^{based} in theorems.
4. They understood the concepts of Fourier series and able to solve the problems.
5. Students were understand the concepts of Half range Fourier series.

Inference :

Advanced topics are not included in this syllabus. So we include the Activity based learning to increase the students knowledge.

LESSON PLAN & EXECUTION - UNIT - I

Class & Semester : II - B.Sc & IV
 Name of the Subject : vector calculus and Fourier series.
 Name of Faculty member : S. Gurusalya.

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	15.12.22	Introduction - vector differentiation.	15.12.22	Black board	
2	16.12.22	velocity and acceleration.	16.12.22	Black board	
3	17.12.22	vector and scalar fields.	17.12.22	black board	
4	19.12.22	Gradient of a vector.	19.12.22	black board	
5	22.12.22	Directional derivative.	22.12.22	Black board	
6	23.12.22	divergence and curl of a vector	23.12.22	Black board	
7	26.12.22	solenoidal and irrotational vectors	26.12.22	Black board	
8	27.12.22	Laplacian double operator.	27.12.22	black board	
9	28.12.22	simple problems.	30.12.22	Black board	
10	31.12.22	(vector) continue / Functions of Functions in	2.1.22	Black board	
11					
12					
13					
14					
15					

Textbooks:

1. M.L. Khanna, vector calculus, Jai Prakash Nath and Co., 8th Edn, 1986
- 2.

Reference:

1. P. Duraipandian and Lakshmi Durairandian, vector Analysis, Emerald publishers, 1986.
- 2.

B. Anusha
Academic Representative

Gurusalya S
Subject In Charge

S. T. S.
HOD

M. S. S.
Principal

LESSON PLAN & EXECUTION - UNIT - II

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remark
1	2.1.23	Introduction	2.1.23	Black board	
2	5.1.23	vector Integration	5.1.23	Black board	
3	6.1.23	Tangential line integral	6.1.23	Black board	
4	7.1.23	tangential line integral - continue	9.1.23	Black board	pongal celebrator
5	9.1.23	conservative force field	12.1.23	Black board	
6	12.1.23	Scalar potential	13.1.23	Black board	13.1.23
7	13.1.23	Scalar Potential - continue	18.1.23	Black board	
8	18.1.23	work done by a force	19.1.23	Black board	
9	19.1.23	Normal surface integral	23.1.23	Black board	
10	23.1.23	volume integral - simple problems	24.1.23	Black board	
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14					
15					

Textbooks:

1. M. L. Khanna, vector calculus, Jai Prakash Nath and Co,
2. 8th Edition, 1986.

Reference:

1. P. Dwai Pandian and Lakshmi Dwai Pandian, vector analysis,
2. Emerald publishers (1986).

B. Anusha

Academic Representative

Anusha S.
27/1/23

Subject In Charge

J. J. J.
27/1/23

HOD

M. S.
20/2

Principal

LESSON PLAN & EXECUTION - UNIT - III

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	24.1.23	Introduction	24.1.23	Black board	
2	25.1.23	Gauss divergence theorem	27.1.23	Black board	
3	27.1.23	Gauss divergence - problems	2.2.23	Black board	
4	2.2.23	Stokes theorem.	3.2.23	Black board.	
5	3.2.23	Stokes theorem - problems.	7.2.23	BB	
6	7.2.23	Stokes theorem - problems.	8.2.23	BB	
7	8.2.23	Green's theorem.	14.2.23	BB	
8	9.2.23	Green's theorem - problems.	15.2.23	BB	Industrial visit
9	10.2.23	Green's theorem - problems.	16.2.23	BB	Industrial visit
10	14.2.23	Revision.	17.2.23	BB	
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14					
15					

Textbooks:

- M.L. Khanna, vector calculus, jai prakash nath and co,
- 8th Edition, 1986.

Reference:

- P. Dasi pandian and Lakshmi Dussipandiyar, vector analysis,
- Emerald publishers (1986).

B. Anusha
Academic Representative

Anusha
Subject In Charge

B. T. 22
HOD

M. S.
Principal

LESSON PLAN & EXECUTION - UNIT -IV

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	15.2.23	Introduction	21.2.23	BB	
2	16.2.23	Fourier series	22.2.23	BB	
3	17.2.23	Fourier series - Definitions	23.2.23	BB	
4	21.2.23	Fourier series expansion	24.2.23	BB	
5	22.2.23	Periodic functions	28.2.23	BB	
6	23.2.23	Periodic functions with period 2π	9.3.23	BB	
7	24.2.23	Periodic functions with period $2a$	10.3.23	BB	
8	28.2.23	odd functions - Fourier series	14.3.23	BB	
9	1.3.23	Even functions - Fourier series	15.3.23	BB	Cl
10	8.3.23	Solve problems	16.3.23	BB	work on day
11					
12					
13					
14					
15					

Textbooks:

1. M.L. Khanna, Vector calculus, Jai Prakash Nath and Co,
2. 8th Edition, 1986.

Reference:

1. P. Duxaipandian and Lakshmi Duxaipandian, vector analysis.
2. Emelard publishers (1986).

B. Anisha.
Academic Representative

Chandya S
16/3/23
Subject In Charge

16/3/23
HOD

16/3/23
28/3
Principal

LESSON PLAN & EXECUTION - UNIT - V

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	9.3.23	Introduction	17.3.23	BB	
2	10.2.23	Half range Fourier series	21.3.23	BB	BB
3	14.3.23	Converse problems	24.3.23	BB	
4	15.3.23	Applications - simple problems	25.3.23	BB	
5	16.3.23	periodic functions	26.3.23	BB	
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Textbooks:

1. M.L. Khanna, vector calculus, Jai Prakash Nath and co.
2. 8th edition, 1986.

Reference:

1. P. Durai Pandiyan and Lakshmi Durai Pandiyan, vector analysis
2. Emardand publishers (1986).

B. Anusha
Academic Representative

Amulya. S
28/03/23
Subject In Charge

B. S. S. S
HOD

M. S. S.
26/3
Principal

STUDENTS PARTICULARS

S.No.	Roll No./ Reg. No.	Name of the Student	Category of the Student		
			A	B	C
1	CB21S381543	M. Afiya parveen			
2	CB21S381544	B. Anusha			
3	CB21S381545	T. Boomathi			
4	CB21S381546	M. Kanimozhi			
5	CB21S381547	S. Madhivadhani			
6	CB21S381548	R. Mohana			
7	CB21S381549	S. Nithiya			
8	CB21S381550	A. Nishalini			
9	CB21S381551	L. Sindhuja			
10	CB20C37772D	S. Archana			
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CONTINUOUS INTERNAL ASSESSMENT I RESULT ANALYSIS

1. Date of the test / examination : 30.1.2023 / CIA-I
2. Total no. of Students : 10
3. No. of Students Appeared : 09
4. No. of Students Passed : 06
5. No. of Students failed : 03
6. Pass Percentage : 67 %

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	03	-		03	03
(After Retest) No. of Students	-	-	02	01	

Aravind S.
3.2.23
Subject In Charge

A/T
2/23
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA I

Reason for Failure :

The students were does not understand the concepts of the subject.

Corrective Action Proposed :

Retest were conducted the failure students.

Recommendations & Remarks :

Three students were failed the examinations.
retest were conducted the failure students.

Coaching Details :

- * Slip test conducted
- * Important questions were given.
- * Revise the particular topics.

Handwritten signature
20/11

Handwritten signature
3/12/23
Subject In Charge

Handwritten signature
3/12/23
Class In charge

Handwritten signature
3/12/23
H88

CONTINUOUS INTERNAL ASSESSMENT II RESULT ANALYSIS

1. Date of the test / examination : 04.03.2023
2. Total no. of Students : 10
3. No. of Students Appeared : 07
4. No. of Students Passed : 07
5. No. of Students failed : Nil
6. Pass Percentage : 100%.

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	—	—	02	—	05
(After Retest) No. of Students	—	—	—	—	—

Co-ordinator
25/3/23
Subject In Charge

25/3/23
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA II

Reason for Failure

Corrective Action Proposed :

Recommendations & Remarks :

All the students were passed the examination. So given the extra coaching to the students for increasing their marks.

Coaching Details :

- * Revision to the subject.
- * slip test conducted.
- * Important questions were given.

Arulys
Subject In Charge

Arulys
Class In charge

13/28
HOD

MODEL EXAM RESULT ANALYSIS

1. Date of the test / examination : 05.4.2023
2. Name of the Examination : Model examination
3. Total no. of Students : 10
4. No. of Students Appeared : 08
5. No. of Students Passed : 06
6. No. of Students failed : 02
7. Pass Percentage : 75%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	02	-	02	04	-
(After Retest) No. of Students	-	-	-	-	-

Amulya S.

Subject In Charge

P. K. S.

HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR MODEL EXAM

Reason for Failure :

Students does not study well and also they cannot understand the questions.

Corrective Action Proposed :

Slip test conducted.

Recommendations & Remarks :

Two students were failed in the examination.
A set test were conducted to the students.

Coaching Details :

- * Previous questions were given
- * Revise the difficult topics
- * Important questions were given.

Amulya's
Subject In Charge

Amulya's
Class In charge

P
HoD

REMEDIAL CLASS ATTENDANCE FOR MODEL

S.NO	Reg.No / Reg.Number	Name of the Student	APRIL				DATE			
			5	6	7	8				
1	CB213381548	B. Mohana	x	a	x	a				
2	CB213381549	S. Nethiya	a	x	x	a				
3	CB203377130	S. Archana	x	a	a	x				
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29										
30										

Faculty Signature



UNIVERSITY EXAMINATION RESULT ANALYSIS

DATE OF THE EXAMINATION : 29.05.2023

YEAR	No. of Students Appeared	No. of Students Passed	No. of Students Failed	% of Pass	% of Failure	Higher Mark	Faculty Handled	Department
Previous Year	14	14	Nil	100%	Nil	97	M. Keerthana	Mathematics
Current Year	10	09	Nil	100%	Nil	92	S. Gowalya	Mathematics

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	Nil	Nil	01	03	05
(After Arrear Exams) No. of Students	-	-	-	-	-

Arunjay
Subject In Charge

Arunjay
Class In charge

P. Pratik
HoD

M. Keerthana
Principal

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR



FACULTY LOG BOOK

Department : Mathematics

Faculty Name : M. Vijayalakshmi

Class : III - B.Sc

Title of the Paper : Astronomy

Subject Code : 16SM BEMM3:1

Semester : VI

Academic Year 2022 - 2023

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR

TIME TABLE

Hour DO	I	II	III	IV	V
I		II - B.sc			
II				II - B.sc	
III			II - B.sc		II - B.sc
IV			II - B.sc		
V					II - B.sc
VI	II - B.sc				

M. my

Faculty

15/2/23

HOD

8/3

Principal

Syllabus

UNIT I :

Relevant properties of sphere and formulae in spherical trigonometry (no proof, no problems) -
Celestial sphere and diurnal motion -Celestial coordinates-sidereal time.

UNIT II:

Morning and evening stars -circumpolar stars- diagram of the celestial sphere -zones of earth -
perpetual day-dip of horizon-twilight.

UNIT III:

Refraction - laws of refraction -tangent formula-Cassini's formula - horizontal refraction- geocentric
parallax -horizontal parallax.

UNIT IV:

Kepler's laws - verification of 1st and 2nd laws in the case of earth - Anomalies -Kepler's equation -
Seasons -causes -kinds of years.

UNIT V:

Moon-sidereal and synodic months - elongation - phase of moon - eclipses-umbra and penumbra -
lunar and solar eclipses - ecliptic limits - maximum and minimum number of eclipses near a node
and in a year - Saros.

Course Objectives and Outcomes

Objectives :

1. To understand the Concepts of Celestial sphere.
2. To learn about morning and evening stars
3. To understand Refraction
4. To study about Kepler's law
5. To know about Umbra and penumbra

Outcomes :

1. The students understood the function of Celestial sphere
2. They learnt about morning and evening stars.
3. The students understood Refraction
4. They studied Kepler's law
5. They know about Umbra and Penumbra

Inference :

Advanced topics are not obtained in the syllabus. So we included additional module to broaden in the subject knowledge

LESSON PLAN & EXECUTION - UNIT - I

Class & Semester : B.Sc X IV
 Name of the Subject : Astronomy
 Name of Faculty member : M. Vijayalakshmi

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1.	15.12.22	Introduction	15.12.22	BB	
2	16.12.22	Celestial sphere	16.12.22	BB	
3	17.12.22	Azimuth, altitude	17.12.22	BB	
4	20.12.22	Diurnal motion, Diurnal path	20.12.22	BB	
5	21.12.22	Celestial sphere theorems	21.12.22	BB	
6	22.12.22	Celestial sphere theorems continue	22.12.22	BB	
7	23.12.22	Celestial Co-ordinates	23.12.22	BB	
8	24.12.22	Celestial Co-ordinates Continue	24.12.22	BB	
9	27.12.22	Celestial Co-ordinates Continue	27.12.22	BB	
10	28.12.22	Sidereal time	28.12.22	BB	
11	29.12.22	Sidereal time Continue	29.12.22	BB	
12	30.12.22	Sidereal time Continue	30.12.22	BB	
13					
14					
15					


Textbooks:

1. Kumaravel S and Sushila Kumaravel, Astronomy, 8th Edition, SKV publication, 2004

Reference:

1. G.V. Ramachandran, Text Book of Astronomy, Mission Press, Palayam Kottai, 1965.


 Academic Representative


 Subject In Charge


 HOD


 Principal

LESSON PLAN & EXECUTION - UNIT -II

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	31.12.22	Introduction - stars	31.12.22	BB	
2	3.1.23	Morning and evening stars	3.1.23	BB	
3	4.1.23	Morning and evening stars continue	4.1.23	BB	
4	5.1.23	Circumpolar stars	5.1.23	BB	
5	6.1.23	Circumpolar stars continue	6.1.23	BB	
6	7.1.23	Diagram of a celestial sphere	7.1.23	BB	
7	9.1.23	Zones of earth	9.1.23	BB	
8	10.1.23	Zones of earth continue	10.1.23	BB	
9	11.1.23	Perpetual day	12.1.23	BB	LP
10	12.1.23	Perpetual day continue	13.1.23	BB	
11	13.1.23	Dip of Horizon	18.1.23	BB	
12	18.1.23	Twilight	19.1.23	BB	
13					
14					
15					

Textbooks:

1. Kumaravel S and Sushela Kumaravel, Astronomy, 8th edition SKV Publications, 2004
- 2.

Reference:

1. G.V. Ramchandran, Text book of Astronomy, Mission Press Palayamkottai 1965.
- 2.


Academic Representative


Subject In Charge


HOD


Principal

LESSON PLAN & EXECUTION - UNIT - III

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	20.1.23	Introduction - Refraction	20.1.23	BB	
2	21.1.23	Refraction Continue	21.1.23	BB	
3	23.1.23	Laws of Refraction	23.1.23	BB	
4	24.1.23	Laws of Refraction Continue	24.1.23	BB	
5	25.1.23	Tangent formulas	25.1.23	BB	
6	25.1.23	Cassini's formula	25.1.23	BB	
7	27.1.23	Cassini's formula refraction	27.1.23	BB	
8	28.1.23	Horizontal refraction	28.1.23	BB	
9	2.2.23	geocentric parallax	2.2.23	BB	
10	2.2.23	geocentric parallax continue	2.2.23	BB	
11	3.2.23	Horizontal parallax	3.2.23	BB	
12	4.2.23	Horizontal Parallax	4.2.23	BB	
13					
14					
15					

Textbooks:

1. Kumaravel S and Susheela Kumaravel, Astronomy, 8th edition SKV Publications, 2004.
- 2.

Reference:

1. G.V. Ramachandran, Text Book of Astronomy, mission press Palayamkottai 1965-
- 2.


Academic Representative


Subject In Charge


HOD


Principal

LESSON PLAN & EXECUTION - UNIT -IV

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	8.2.23	Introduction	8.2.23	BB	
2	9.2.23	Kepler's law	13.2.23	BB	I.V
3	10.2.23	Kepler's law continued	14.2.23	BB	I.V
4	11.2.23	Verification of 1st and 2nd laws in the case of earth	15.2.23	BB	I.V
5	13.2.23	Verification of 1st and 2nd laws in the case of earth continued	16.2.23	BB	
6	14.2.23	Anomalies	17.2.23	BB	
7	15.2.23	Anomalies continue	20.2.23	BB	
8	16.2.23	Kepler's equation	21.2.23	BB	
9	17.2.23	Kepler's equation continue	22.2.23	BB	
10	18.2.23	Seasons	23.2.23		CL
11	20.2.23	Seasons continue	23.2.23		
12	21.2.23	Causes	25.2.23		
13	22.2.23				
14					
15					

Textbooks:

1. Kumaravel S and Suseela Kumavel, Astronomy, 8th edition
2. SKV publication 2004.

Reference:

1. G. V. Ramachandran, Text Book of Astronomy, Mission press
2. Palayamkottai. 1965.


Academic Representative


Subject In Charge


HOD


Principal

LESSON PLAN & EXECUTION - UNIT -V

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	22.2.23	Introduction - Moon	25.2.23		
2	23.2.23	sidereal and synodic months	27.2.23		
3	24.2.23	Flongation	28.2.23		CL
4	25.2.23	phase of moon - eclipses	1.3.23		
5	27.2.23	Umbra and penumbra	2.3.23		
6	28.2.23	lunar and solar eclipse	3.3.23		
7	1.3.23	ecliptic limits.	4.3.23		
8	2.3.23	ecliptic limits continue	6.3.23		
9	3.3.23	maximum and minimum number of eclipses near a node	7.3.23		
10	4.3.23	Maximum and minimum number of eclipses near a node	11.3.23		
11	6.3.23	Saras	13.3.23		
12	7.3.23	Baras.	14.3.23		
13					
14					
15					

Textbooks:

1. Kumaravel.S and Suseela Kumaravel, Astronomy 8th edition
2. skv publication 2004.

Reference:

1. G.V. Ramachandran Text Book of Astronomy Book of Astronomy
2. Mission press palayankottai 1965.

P. Deepika.
Academic Representative

Mwf 21/3/23
Subject In Charge

Pt 1/3/23
HOD


Principal

STUDENTS PARTICULARS

S.No.	Roll No./ Reg. No.	Name of the Student	Category of the Student		
			A	B	C
1	CB20S377716	V. ABIRAMI			✓
2	CB20S377717	A. ATHISAYA		✓	
3	CB20S377718	P. DEEPIKA			✓
4	CB20S377719	V. KAMALINI	✓		
5	CB20S377720	P. KANIMOZHI	✓		
6	CB20S377721	S. MALARVIZHI		✓	
7	CB20S377722	R. NITHYA			✓
8	CB20S377723	R. RISHIKA	✓		
9	CB20S377724	V. SARUMATHI	✓		
10	CB20S377725	J. SEETHALAKSHMI			✓
11	CB20S377726	R. SELVAMANI	✓		
12	CB20S377727	M. SOUNDARYA			✓
13	CB20S377728	V. SWETHA	✓		
14	CB20S377729	S. YAZHINI	✓		
15		S. MOMSHA		✓	
16					
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CONTINUOUS INTERNAL ASSESSMENT I RESULT ANALYSIS

1. Date of the test / examination : 1. 2. 23
2. Total no. of Students : 15
3. No. of Students Appeared : 15
4. No. of Students Passed : 13
5. No. of Students failed : 2
6. Pass Percentage : 86%.

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	2	3	2	2	6
(After Retest) No. of Students					

M. ...
5.2.23

Subject In Charge

...
2/22
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA I

Reason for Failure :

The students misunderstood the questions and they get confused in their steps.

Corrective Action Proposed :

Retest conducted for failure student to improve their internal marks.

Recommendations & Remarks :

We coached them for university exam.

Coaching Details :

- * slip test conducted
- * important questions given
- * previous year question given

M. M. Suresh
Subject In Charge

S. Reddy
10/12/23
Class In charge

10/12/23
HoD

CONTINUOUS INTERNAL ASSESSMENT II RESULT ANALYSIS

1. Date of the test / examination : 2.3.23
2. Total no. of Students : 15
3. No. of Students Appeared : 14
4. No. of Students Passed : 11
5. No. of Students failed : 3
6. Pass Percentage : 79%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class	II Class	I Class	Distinction
		40 - 49.9 %	50 - 59.9 %	60 - 74.9 %	Above 75 %
No. of Students	1	6	1	2	4
(After Retest) No. of Students					

M. mt 5/2/23

Subject In Charge

5/3/23

HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA II

Reason for Failure :

The students misunderstood the questions and they get confused in their steps

Corrective Action Proposed :

Retest conducted for failure students to improve their internal marks.

Recommendations & Remarks :

We coached them for university exam

Coaching Details :

- * slip test conducted
- * important questions given
- * previous questions given

M. V. S. 5/3/23
Subject In Charge

For M. V. S. 5/3/23
Class In charge

5/3/23
HoD

MODEL EXAM RESULT ANALYSIS

1. Date of the test / examination : 29.3.23
2. Name of the Examination : Model Exam
3. Total no. of Students : 15
4. No. of Students Appeared : 15
5. No. of Students Passed : 5
6. No. of Students failed : 10
7. Pass Percentage : 33%.

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students 15	10	1	1	2	1
(After Retest) No. of Students					



M. ... 30.3.23

Subject In Charge


30/3/23
HOD

**CORRECTIVE AND PREVENTIVE ACTION RECORD FOR
MODEL EXAM**

Reason for Failure :

The students misunderstood the
steps of theorems

Corrective Action Proposed :

Retest conduct for failure
student to improve their internal
marks.

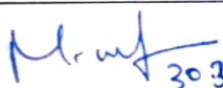
Recommendations & Remarks :


We coached them for university
exam.

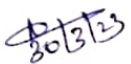
Coaching Details :

slip test conducted
important questions given
previous questions given








30.3.23
Subject In Charge

For 
30.11.23
Class In charge


30.3.23
HoD

REMEDIAL CLASS ATTENDANCE FOR MODEL

S.NO	Reg.No / Reg.Number	Name of the Student	APRIL DATE			
			10	11	12	13
1	CB20S37716	V. ABIRAMI	X	a	X	X
2	CB20S37717	A. ATHISAYA	X	X	X	X
3	CB20S37718	P. DEEPIKA	X	X	a	X
4	CB20S37721	S. MALARVIZHI	a	X	X	X
5	CB20S37722	R. NITHYA	X	X	X	X
6	CB20S37725	J. SEETHALAKSAMI	X	X	X	X
7	CB20S37727	M. SOUNDARYA	X	a	X	X
8	CB20S37728	V. SWETHA	X	X	X	X
9	CB20S37729	S. YAZHINI	X	X	X	X
10	CB16S358936	S. MONISHA	X	X	X	X
11						
12						
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18						
19						
20						
21						
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29						
30						
Faculty Signature			   			

UNIVERSITY EXAMINATION RESULT ANALYSIS

DATE OF THE EXAMINATION : 27.05.2023

YEAR	No. of Students Appeared	No. of Students Passed	No. of Students Failed	% of Pass	% of Failure	Higher Mark	Faculty Handled	Department
Previous Year	07	07	nil	100%	nil	90	Mr. Vijayalakshy	Mathematics
Current Year	15	15	nil	100%	nil	79	Mr. Vijayalakshy	Mathematics

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students					
(After Arrear Exams) No. of Students					

M. ...
Subject In Charge

Per. ...
Class In charge

...
HOD

...
Principal

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR



FACULTY LOG BOOK

Department : Mathematics.

Faculty Name : S. Kalavani

Class : I - B.Sc (CS) & BCA

Title of the Paper : Operation Research

Subject Code : 22SACMA3

Semester : II

17
19
20
22
30

Academic Year 2022 - 2023

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR

TIME TABLE

Hour DO	I	II	III	IV	V
I					
II				I - B.Sc (CS) & BCA	I - B.Sc (CS) & BCA
III	I - B.Sc (CS) & BCA				
IV		I - B.Sc (CS) & BCA			
V					
VI					

S. Kalip
5/12/22

Faculty

[Signature]
5/12/22

HOD

[Signature]
5/12/22

Principal

Syllabus

OPERATIONS RESEARCH

UNIT – I:

Operations Research: Introduction - Basics of OR – OR & decision making – Role of Computers in OR - Linear programming formulations & graphical solution of two variables – Canonical & standard forms of LPP

UNIT – II:

Simplex Method: Simplex Method for $<$, $=$, $>$ constraints – Charne's method of penalties– Two phase Simplex method.

UNIT – III:

Transportation problem: Transportation algorithm –Degeneracy algorithm – Degeneracy in Transportation Problem, Unbalanced transportation problem- Assignment algorithm –Unbalanced Assignment problem.

UNIT – IV:

Sequencing problem: Processing of n jobs through two machines – Processing of n jobs through 3 machines – processing of two jobs through m machines.

UNIT – V:

Networks: Network – Fulkerson's rule - measure of activity – PERT computation – CPM computation - Resource scheduling.

UNIT – VI CURRENT CONTOURS (For Continuous Internal Assessment Only):

Integer and Dynamic programming.

Course Objectives and Outcomes

Objectives :

1. To Learn the basic concepts about Linear programming problems.
2. To Learn the Simplex Method problems.
3. To Learn the Transportation problems.
4. To Learn the Sequencing problems.
5. To Learn the Networks problems & Integer and Dynamic programming.

Outcomes :

1. Students know the basic concepts about Linear programming problems.
2. They learnt the Simplex Method problems.
3. They learnt the transportation problems.
4. They learnt the Sequencing problems.
5. They learnt the Networks problems & Integer and Dynamic programming.

Inference :

Advanced topics are included in the Syllabus but also we innovatively included activity based learning to broaden the subject knowledge.

LESSON PLAN & EXECUTION - UNIT - I

Class & Semester : I - B&C (CS) & BCA & II
 Name of the Subject : Operations Research
 Name of Faculty member : S. Jalani

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	16.12.22	Introduction	16.12.22	Black Board	
2	16.12.22	Basics of OR	16.12.22	Black Board	
3	23.12.22	OR & decision Making	23.12.22	Black Board	
4	23.12.22	Role of Computers in OR	23.12.22	Black Board	
5	24.12.22	Linear programming formulations	24.12.22	Black Board	
6	26.12.22	graphical solutions of two variables	26.12.22	Black Board	
7	30.12.22	Canonical & standard form of LP	31.12.22	Black Board	} university Exam
8	30.12.22	Canonical & standard form of LP	31.12.22	Black Board	
9					
10					
11					
12					
13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. Manmohan & Gupta, Operations Research, Sultan chand publishers, New Delhi.
2. prem kumar Gupta and D.S. Hira, Operations Research: An Introduction.

(CC) R. Vishal (BCA) N. Sathya
 Academic Representative

S. Jalani
 31/12/22
 Subject In Charge

HOD

Principal

LESSON PLAN & EXECUTION - UNIT -II

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	31.12.22	Simplex Method	2.01.23	Black Board	
2	2.01.23	Simplex Method for $\leq, =, \geq$	3.01.23	Black Board	
3	3.01.23	Simplex Method for $\leq, =, \geq$ Constraints	6.01.23	Black Board	
4	6.01.23	Simplex Method (continued)	6.01.23	Black Board	
5	6.01.23	Charnes's Method of penalties	6.01.23	Black Board	
6	7.01.23	Charnes's Method of penalties	9.01.23	Black Board	forgot celebration
7	9.01.23	Two phase Simplex Method	13.01.23	Black Board	
8	18.01.23	Two phase simplex Method	18.01.23	Black Board	✓
9					
10					
11					
12					
13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. Hanmohan & Gupta, Operations Research, Sultan Chand Publishers, New Delhi.
2. Prem Kumar Gupta and D.S Hira, Operations Research: Introduction.

(BCA) N. Sathya (CS) Vishali R.
Academic Representative

S. Kalani
18/1/23
Subject In Charge

18/1/23
HOD

18/1/23
8/03
Principal

LESSON PLAN & EXECUTION - UNIT -III


	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	18.1.23	Transportation algorithm	19.1.23	BB	
2	19.1.23	Degeneracy algorithm	19.1.23	BB	
3	24.1.23	Degeneracy in transportation problem	24.1.23	BB	
4	24.1.23	unbalanced transportation problem	24.1.23	BB	
5	25.1.23	unbalanced transportation problem (Continue)	25.1.23	BB	
6	27.1.23	Assignment algorithm	27.1.23	BB	
7	8.2.23	unbalanced assignment problem	8.2.23	BB	} CL
8	8.2.23	unbalanced assignment problem (continued)	15.2.23	BB	
9					
10					
11					
12					
13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. Manmohan & Gupta, Operations Research, Sultanchand publishers, New Delhi
2. prem kumar, Gupta and DS #ira operation Research. An Introduction.

(C.S)  Academic Representative
B

 Subject In Charge

 HOD

 Principal

LESSON PLAN & EXECUTION - UNIT -IV

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1		Processing of n jobs			
	9.2.23	through two machines	10.2.23	BB	Industrial Visit
2	10.2.23	Processing of n jobs through two machines (Continued)	17.2.23	BB	
3	15.2.23	Processing of n jobs through three machines	20.2.23	BB	
4	15.2.23	Processing of n jobs through three machines (Continued)	22.2.23	BB	
5	16.2.23	Processing of n jobs through three machines (Continued)	23.2.23	BB	
6	17.2.23	Processing of two jobs through m machines.	24.2.23	BB	
7	22.2.23	Processing of two jobs through m machines (Continued)	9.3.23	BB	
8	22.2.23	Processing of two jobs through m machines (Continued)	10.3.23	BB	
9					
10					
11					
12					
13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. Manojkumar & Gupta Operation Research, Sultan Chaudhary Publishers, New Delhi,
2. Prem Kuma Gupta and D.S Hira, Operation Research An Introduction

S. Kalraj
Academic Representative

S. Kalraj
10/3/23
Subject In Charge

P. S. Lakshmi
HOD

M. S. Lakshmi
Principal

LESSON PLAN & EXECUTION - UNIT -V

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	9.3.23	Fulkerson's rule	13.3.23	BB	
2	10.3.23	Measure of activity	16.3.23	BB	16/3/23
3	13.3.23	PERT Computation	30.3.23	BB	
4	16.3.23	CPM computation	1.4.23	BB	
5	30.3.23	Resource Scheduling	T.4.23	BB	
6	1.4.23	CPM Computation(Continued)	T.4.23	BB	
7	7.4.23	Integer programming	8.4.23	BB	
8	T.4.23	Dynamic programming	9.4.23	BB	
9					
10					
11					
12					
13					
14					
15					

Textbooks:

- 1.
- 2.

Reference:

1. Manmohan & Gupta Operation Research, Sultan chand Publishers, New Delhi.
2. Prem Kumar Gupta and D.S Hira, Operation Research An Introduction.

D. Raj Suthi
Academic Representative

S. Jais
9/4/23
Subject In Charge

D. Jais
HOD

MAC
9/4
Principal

STUDENTS PARTICULARS

S.No.	Roll No./ Reg. No.	Name of the Student	Category of the Student		
			A	B	C
1	CB228605991	R. Atchaya			
2	CB228605992	B. Deepika			
3	CB228605994	M. Kowsalya			
4	CB228605995	K. Malathi			
5	CB208605997	A. M. Kala			
6	CB208605996	S. Moona Rashini			
7	CB208605998	S. Nisha			
8	CB208606000	S. Priyanka			
9	CB28606001	N. Sathya			
10	CB28606002	S. Shobika			
11	CB208605999	M. Preethi			
12					
13	228612046	R. Bravadhaxani ^a			
14	228612047	T. Harini			
15	228612048	B. Harshini priya			
16	228612049	P. Jansi Rani			
17	228612050	M. Kaviya			
18	228612051	R. Madhubala			
19	228612052	R. Nugeswari			
20	228612053	S. Nandhini			
21	228612054	K.S. Praveena			
22	228612055	R. Sivasanjani			
23	228612057	V. Swathi			
24	228612058	R. Vinitha			
25	228612059	R. Vishali			
26	228612060	M. Yavvasri			
27					
28					
29					
30					

CONTINUOUS INTERNAL ASSESSMENT I RESULT ANALYSIS

1. Date of the test / examination : 31.1.2023 AN
2. Total no. of Students : 25
3. No. of Students Appeared : 24
4. No. of Students Passed : 5
5. No. of Students failed : 19
6. Pass Percentage : 20%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	20	1	1	2	1
(After Retest) No. of Students					


 8/2/23
Subject In Charge


 8/2/23
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA I

Reason for Failure :

The students misunderstood the questions and they got confused in their steps.

Corrective Action Proposed :

Retest conducted for failure student to improve their internal marks.

Recommendations & Remarks :

we coached them for university ranks.

Coaching Details :

- * slip test conducted
- * Important questions given
- * previous year questions given

S. Raj
8/2/23
Subject In Charge

S. Ramya
Class In charge

8/2/23
HoD

CONTINUOUS INTERNAL ASSESSMENT II RESULT ANALYSIS

1. Date of the test / examination : 03.03.2023
2. Total no. of Students : 24
3. No. of Students Appeared : 23
4. No. of Students Passed : 16
5. No. of Students failed : 7
6. Pass Percentage : 66.67.

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	5	2	8	6	2
(After Retest) No. of Students					

S. Rad. f
16/3/23

Subject In Charge

P. S. f
16/3/23
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA II

Reason for Failure :

The students Misunderstood the questions and they got Confused in their steps.

Corrective Action Proposed :

Retest conducted for failure students to improve their internal Marks.

Recommendations & Remarks :

we coached them for university exams.

Coaching Details :

* slip test Conducted.

* Important questions given

* Previous year questions given.



S. Radhika
16/3/23
Subject In Charge

S. Ramya
Class In charge


HOD

MODEL EXAM RESULT ANALYSIS

1. Date of the test / examination : 03. 04. 2023
2. Name of the Examination : Model Examination
3. Total no. of Students : 25
4. No. of Students Appeared : 23
5. No. of Students Passed : 05
6. No. of Students failed : 18
7. Pass Percentage : 20%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	15	03	-	-	-
(After Retest) No. of Students					

S. Rao
06/04/23
Subject In Charge

P. V. S. Rao
06/04/23
HOD

**CORRECTIVE AND PREVENTIVE ACTION RECORD FOR
MODEL EXAM**

Reason for Failure :

The students misunderstood the questions and they got confused in their steps.

Corrective Action Proposed :

Retest conducted for failure students to improve their internal marks.

Recommendations & Remarks :

we coached them for university exams.

Coaching Details :

* Slip test conducted.



* Important question given.

* previous year question given

S. Radhika
06/09/23
Subject In Charge

S. Ramya.
Class In charge

06/09/23
HoD

UNIVERSITY EXAMINATION RESULT ANALYSIS

DATE OF THE EXAMINATION :

YEAR	No. of Students Appeared	No. of Students Passed	No. of Students Failed	% of Pass	% of Failure	Higher Mark	Faculty Handled	Department
Previous Year								
Current Year	21	21	nil	100%	nil.	84	S. K. Srinivas	Mathematics

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	-	-	06	11	04
(After Arrear Exams) No. of Students	-	-	-	-	-

P. S. Srinivas
Subject In Charge

F. S. Karthi
Class In charge

S. K. Srinivas
HoD

M. S. Srinivas
Principal

AR008

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR



FACULTY LOG BOOK

Department : MICRO BIOLOGY

Faculty Name : DR. M. VINOOTH

Class : III B.Sc MICROBIOLOGY

Title of the Paper : MICROBIAL BIOTECHNOLOGY
AND BIOETHICS

Subject Code : 163MBEMB3

Semester : VI

Academic Year 2022 - 2023

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR

TIME TABLE

Hour	I	II	III	IV	V
PO					III B.Sc Microbial Biotech
I					
II			III B.Sc Microbial Biotech		
III					III B.Sc Microbial Biotech
IV					III B.Sc Microbial Biotech
V					
VI				III B.Sc Microbial Biotech.	

M. Venkatesh
Faculty

D. J. Jeyaraj
HOD

V. S. Srinivasan
Principal

Syllabus

MICROBIAL BIOTECHNOLOGY AND BIOETHICS

UNIT I

Biotechnology: Definition - Milestones in History - Scope of microbial biotechnology and its applications - Microbial production of pharmaceuticals - antibiotics, hormones (Insulin), enzymes (streptokinase), recombinant vaccines (Hepatitis B vaccine) - Edible vaccine, Monoclonal antibodies

UNIT II

Microbial production of biofertilizers - (Rhizobia, Azospirillum, Frankia and VAM). Microbial production of bio-pesticides (Bacillus thuringiensis). Microbial production of bioplastics. Microorganisms in bioremediation: Degradation of xenobiotics.

UNIT III

Single cell protein (algae and yeast). Microalgal technology - Industrial cultivation methods of Spirulina - biotechnological potentials of Spirulina as: food and feed - Fuel production from microalgae - pharmaceutically valuable compounds from microalgae. Commercial production of bio-ethanol and bio-diesel using lignocellulosic waste.

UNIT IV

Genetic engineering of plants: Ti plasmid vectors and gene transfer in plants - Development of insect, virus and herbicide resistant plants. Transgenic animals: methods of creating transgenic mice and sheep. Human gene therapy - in vivo and ex vivo gene therapy.

UNIT V

Intellectual Property Rights (IPR) - different types of IPRs - Principles of Bioethics (IB) - Definition of Ethics and Bioethics. - Ethics committee - Brief account on risks and ethics of modern biotechnology - Ethical concerns in human gene therapy - Ethical limits of animal use. Ethical issues at the beginning of life (abortion) - Ethical issues at the end of life (withholding and withdrawing medical treatment and euthanasia)

REFERENCES

1. Desmond ST Nicholl. An Introduction to Genetic Engineering, 2nd edition, Cambridge university press, 2002.
2. Erica Grace. Biotechnology unzipped-promises and realities. Joseph Henry press, Washington, 1997.
3. Glick BR, and Pasternak JJ. Molecular Biotechnology, ASM press, Washington DC, 2001.
4. Glick BR, Pasternak JJ and Patten CL. Molecular Biotechnology 4th edition, ASM Press, 2010.
5. Satyanarayana U. Biotechnology. Books and Allied Pvt. Ltd. 2012.
6. Dubey RC. A textbook of Biotechnology. S. Chand and Company Ltd, 2013.
7. Ramawat KG and Shaily Goyal. Comprehensive Biotechnology. S. Chand and Company Ltd. 4th edition, 2009.
8. Rema LP, 2006. Applied Biotechnology. MJP Publishers, Chennai 2006.
9. Mukesh Pasupuleti. Molecular Biotechnology. MJP Publishers, Chennai 2006.
10. Helen Kreuzer and Adrienne Massey. Recombinant DNA and Biotechnology, American Society for Microbiology, Washington, 1996.
11. Old RW and Primrose SB. Principles of Gene Manipulation, 4th edition, Blackwell Scientific Publications, London, 1994.
12. Prave P, Paust V, Sitting W and Sukatasch D. Fundamentals of Biotechnology. VCH verlagsgesellschaft - mbH, Weinheim, 2000.
13. Trevan MD, Boffley S, Coulding KH and Stanbury P. Biotechnology - The basic principles - Tata McGraw Hill edition, 1990.
14. Watson JD, Gilman M, Witkowski J, Zoller M. Recombinant DNA - 2nd edition, Scientific American Books, 1992.

Unit-VI Additional Module

PCR, biofertilizers, biofuel
recombinant bioinoculant for sustainable agriculture

Course Objectives and Outcomes

Objectives :

1. To learn knowledge Definition and Scope of microbial biotechnology & production of Pharmaceuticals.
2. Students to gain knowledge the biofertilizers bio-pesticides and bioremediation.
3. Students study about the single cell Protein and microalgal technology.
4. Students to know about the Genetic engineering of Plants.
5. Students learnt about the IPR, IB, human gene therapy.

Outcomes :

1. TO learnt knowledge Definition and Scope of microbial biotechnology & production of Pharmaceuticals.
2. Students to gained knowledge the biofertilizers bio-pesticides and bioremediation.
3. Students studied about the single cell Protein and microalgal technology.
4. Students know about the Genetic Engineering of Plants.
5. Students learnt about the IPR, IB, human gene therapy.

Inference :

Students obtained pharmaceuticals biopesticides, microalgal technology, Genetic engineering and Human gene therapy.

LESSON PLAN & EXECUTION - UNIT - I

Class & Semester : III B.Sc MICROBIOLOGY & VIth SEMESTER
 Name of the Subject : MICROBIAL BIOTECHNOLOGY & BIOETHICS
 Name of Faculty member : DR. M. VINOTHA.

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	15/12/22	Syllabus was given & Introduction to the subject	15/12/22	Black Board.	
2	16/12/22	Definition, Milestones in history	16/12/22	Black Board.	
3	19/12/22	Scope of Microbial biotechnology and application.	19/12/22	Black Board	
4	21/12/22	Microbial Production of Pharmaceuticals.	21/12/22	Black Board	
5	22/12/22	Antibiotics	22/12/22	Black Board	
6	23/12/22	Hormones (Insulin)	23/12/22	Black Board	Verified 23/12/22
7	24/12/22	enzymes (Streptokinase)	24/12/22	PPT	
8	26/12/22	Recombinant Vaccines	26/12/22	PPT	
9	28/12/22	Edible Vaccine	28/12/22	PPT	
10	29/12/22	Monoclonal antibodies	29/12/22	PPT	
11	30/12/22	Refection	31/12/22	oral	
12	31/12/22	Test	31/12/22	written Test	Verified 31/12/22
13					
14					
15					

Textbooks:

1. Sathyanarayana U. Biotechnology . 2012
2. Desmond ST Nicholl. Introduction to Genetic Engineering

Reference:

1. Travan MD et al . 1990.
2. Bilazeri AN and Mikaido . Microbial Biotechnology 2007.

A. Diji
Academic Representative

M. Vintha
Subject In Charge

P. [Signature]
HOD

[Signature]
Principal

LESSON PLAN & EXECUTION - UNIT - II

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	02/01/23	Microbial Production - Rhizobia	02/01/23	Blackboard	
2	04/01/23	Aspergillum	04/01/23	Black Board	
3	05/01/23	Frankia	05/01/23	Black Board	
4	06/01/23	VAM	06/01/23	Black Board	visited
5	07/01/23	Microbial production bio-pesticides	07/01/23	PPT	
6	09/01/23	Bacillus thuringiensis	09/01/23	Black Board	
7	11/01/23	Microbial production, bioplastics	11/01/23	Black Board	
8	12/01/23	Microorganisms in bioremediation	13/01/23	Black Board	
9	12/01/23	Degradation of xenobiotics	13/01/23	Black Board	visited
10	18/01/23	Reversion	18/01/23	oral	
11	19/01/23	Test	19/01/23	written test	
12					
13					
14					
15					

Textbooks:

1. J. Rice Grass. Biotechnology unrivipped - Promises and Reality 1997
2. Glick BR & Pasternak. Molecular Biotechnology 2001.

Reference:

1. Dubey PL. A text book of Biotechnology 2012
2. Ram J P Applied Biotechnology 2006.

A. Singh
Academic Representative

M. V. Jindal
Subject In Charge

D. Singh
HOD

M. Singh
Principal

LESSON PLAN & EXECUTION - UNIT - III

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	21/01/23	Introduction to the topic Single cell Protein	21/01/23	Black board	
2	23/01/23	Algal and yeast	23/01/23	Black board	
3	24/01/23	Microalgal technology	24/01/23	Black board	
4	25/01/23	Industrial cultivation Methods. Spirulina.	25/01/23	Black board	
5	27/01/23	biotechnological Potentials of Spirulina sp.	27/01/23	PPT	
6	30/01/23	food and feed	30/01/23	PPT	
7	31/01/23	dual production from microalgae	31/01/23	PPT	
8	01/02/23	Pharmaceutically Value Compound microalgae	02/02/23	PPT	
9	02/02/23	Commercial Production of bio-ethanol	02/02/23	Black board	
10	03/02/23	bio-diesel	03/02/23	Black board	
11	06/02/23	using lignocellulosic waste	06/02/23	Black board	
12	07/02/23	Reaction	07/02/23	oral	
13					
14					
15					

Textbooks:

1. Rema J.P. 2006. Applied Biotechnology
2. Mukesh Pexupleti 2006. Molecular Biotechnology.

Reference:

1. Willey J.M et.al. 2014
2. Gupta P.K. 2009. Elements of Biotechnology

A. Dhye
Academic Representative

M. Vinita
Subject In Charge

P. Jha
HOD 11/2/23

[Signature]
Principal

LESSON PLAN & EXECUTION - UNIT -IV

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	08/02/23	Genetic engineering Introduction	08/02/23	Black board	
2	09/02/23	Tf plasmid vectors	13/02/23	Black board	
3	10/02/23	Gene transfer in plants	14/02/23	Black board	
4	13/02/23	Development of insect	14/02/23	Black board	
5	14/02/23	Virus resistant plants	15/02/23	Black board	
6	15/02/23	herbicide resistant plants	15/02/23	Black board	
7	16/02/23	Transgenic animals Method.	16/02/23	Black board	Verified
8	17/02/23	transgenic mice	17/02/23	Black board	Verified
9	20/02/23	transgenic sheep	20/02/23	Black board	
10	21/02/23	In vivo gene therapy	21/02/23	Black board.	
11	22/02/23	Ex vivo gene therapy	29/02/23	Black board	
12	23/02/23	Reversion	23/02/23	Black board	
13	24/02/23	Reversion.	24/02/23	Black board	Verified
14					Verified
15					

Textbooks:

1. Trevan MD et.al The basic Principles. biotechnology 1990
- 2.

Reference:

1. Nancy S Jeter et.al. Bioethics, an Introduction
2. the history, methods & practice. 2nd edition 1985.

A. Shij
Academic Representative

M. Vitha
Subject In Charge

P. S. S. S. S.
HOD

M. S.
Principal

LESSON PLAN & EXECUTION - UNIT - V

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	27/02/23	Introduction to IPR Intellectual Property Rights	27/2/23	Black board	
2	28/02/23	different types of IPR	28/2/23	Black board	
3	01/03/23	principles of bioethics 1B	1/3/23	Black board	
4	02/03/23	definition of ethics & bioethics.	2/3/23	Black board	Verified 10/4/23
5	03/03/23	Ethics committee risks and ethics of modern biotechnology	3/03/23	Black board	
6	06/03/23	Ethical concerns in human gene therapy	6/03/23	Black board	
7	07/03/23	Ethical limits of animal use	06/03/23	Black board	
8	08/03/23	Ethical issues beginning of life	10/03/23	Black board	
9	09/03/23	Ethical issues at the end of life	11/03/23	Black board	
10	10/03/23	Model question paper relection	12/03/23	Black board	
11	13/03/23	university question Test	12/03/23	Written	
12	14/03/23	Relection	12/03/23	oral.	Verified P. 11/4/23
13					
14					
15					

Textbooks:

1. Prave P et al Fundamentals of biotechnology 2000.

2.

Reference:

1. Rema LP Applied biotechnology 2006.

2.

A. Dhij
Academic Representative

M. Vultu
Subject In Charge

R. R. R.
HOD 11/4/23

M. R.
Principal 12/4

STUDENTS PARTICULARS

S.No.	Roll No./ Reg. No.	Name of the Student	Category of the Student		
			A	B	C
1	CB203411394	A. Arokiyaadhana priya			
2	CB203411395	P. Bhuvaneshwari			
3	CB203411396	B. Deepalakshmi			
4	CB203411398	R. Dhyanani			
5	CB203411399	A. Dhayishini			
6	CB203411400	S. Hemalatha			
7	CB203411401	V. Janani			
8	CB203411402	N. Jeewitha			
9	CB203411403	R. Kalaiselvi			
10	CB203411404	D. Kanya Vizhi			
11	CB203411405	R. Kengadevi			
12	CB203411406	K. Kumutha			
13	CB203411407	R. Lakshmi			
14	CB203411408	G. Malathi			
15	CB203411411	P. Priyadhashini			
16	CB203411412	R. Ramya			
17	CB203411413	R. Rathiya			
18	CB203411414	T.M. Rithicka			
19	CB203411415	M. Rashini			
20	CB203411416	P. Saranya			
21	CB203411417	N. Sowmiya			
22	CB203411418	R. Srimathi			
23	CB203411419	B. Subashri			
24	CB203411422	A. Swetha			
25	CB203411423	V. Swetha			
26	CB203411424	R. Thangadeepika			
27	CB203411425	J. Vaishnavi			
28					
29					
30					

TEST PERFORMANCE							Assignments (5)	Seminar (5)	Attendance (5)	Internal Marks (25)
CIA - I	Retest	CIA - II	Retest	Model	CIA 1 (5)	CIA 2 (5)				
60		75		56						23
68		71		59						23
58		65		48						23
60		78		49						20
78		86		67						24
60		75		54						24
83		85		68						24
45		55		47						22
60		a	45	57						22
35		44		27						22
a		75		51						23
83		90		71						24
83		90		69						24
65		69		57						23
a	58	80		53						24
88		89		67						24
63		72		48						24
45		68		40						23
a	53	65		47						23
75		81		60						24
75		75		53						23
63		53		49						20
80		89		61						24
61		75		53						23
60		79		51						20
a		56		47						20
86		92		68						24

MAL

R. P. K.
25/3/23

R. P. K.
21/4/23

CONTINUOUS INTERNAL ASSESSMENT I RESULT ANALYSIS

1. Date of the test / examination : 30/01/2023
2. Total no. of Students : 27
3. No. of Students Appeared : 23
4. No. of Students Passed : 22
5. No. of Students failed : 1
6. Pass Percentage : 96%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	1	1	1	11	8
(After Retest)					
No. of Students					

[Signature]
Subject In Charge

[Signature]
HOB

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA I

Reason for Failure:

Students can't attend the questions

Corrective Action Proposed:

Unit wise two marks question were given

Recommendations & Remarks:

Test conducted for unit wise questions,
and explain

Coaching Details:

Two mark question. Unit 1 & 2 test
conducted.

100

M. V. S. S. S.
Subject In Charge

M. V. S. S. S.
Class In charge

~~2-1~~
100

REMEDIAL CLASS ATTENDANCE FOR CIA I

S.NO	Roll.No / Reg.Number	Name of the Student	DATE			
			3/2	6/2	7/2	8/2
1	CB2094111102	N. Jeevitha	X	X	X	X
2	CB2094111104	D. Kayalvizhi	X	X	X	X
3	CB2094111104	T. M. Rithicka	X	X	X	X
4						
5						
6						
7						
8						
9						
10						
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12						
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29						
30						
Faculty Signature			(4/2)	(4/2)	(4/2)	(4/2)

CONTINUOUS INTERNAL ASSESSMENT II RESULT ANALYSIS

1. Date of the test / examination : 03/03/2023
2. Total no. of Students : 27
3. No. of Students Appeared : 26
4. No. of Students Passed : 25
5. No. of Students failed : 1
6. Pass Percentage : 96%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	-	1	3	6	16
(After Retest) No. of Students		1	3	6	16

M. V. *Vitha*
Subject In Charge

R. R. R.
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA II

Reason for Failure :

Students did not write the test.

Corrective Action Proposed :

Topics were explained in detail
Test was conducted.

Recommendations & Remarks :

Students studied in detail referring
many books.

Coaching Details :

=> Topics was explained individually.

=> Test was conducted in 2 Marks.

=> Seminars were conducted in detail.

ML
28/4

M. Vithu
Subject In Charge

M. Vithu
Class In charge

R. S. S.
HoD

MODEL EXAM RESULT ANALYSIS

1. Date of the test / examination : 29/03/2023
2. Name of the Examination : MODEL EXAMINATION
3. Total no. of Students : 27
4. No. of Students Appeared : 27
5. No. of Students Passed : 25
6. No. of Students failed : 2
7. Pass Percentage : 92.59

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	1	8	10	8	—
(After Retest) No. of Students					

M. V. S. S.
Subject In Charge

R. S. S.
22/4/23
HOD

**CORRECTIVE AND PREVENTIVE ACTION RECORD FOR
MODEL EXAM**

Reason for Failure :

Students can't attend the all questions.

Corrective Action Proposed :

Unit wise question were given

Recommendations & Remarks :

Test conducted for unit wise questions
and explain

Coaching Details :

- ⇒ Two mark question - Unit 1, 2, 3 & 4 test conducted.
- ⇒ University question explained.



M. Vaitha
Subject In Charge




M. Vaitha
Class In charge


HoD

REMEDIAL CLASS ATTENDANCE FOR MODEL

S.NO	Reg.No / Reg.Number	Name of the Student	DATE		
			3/4	5/4	6/4
1	CB203411396	B. Deepalakshmi	x	x	x
2	CB203411398	R. Dharmani	x	x	x
3	CB203411404	D. Kalyanithi	x	x	x
4	CB203411414	T.M. Rithicka	x	x	x
5	CB203411424	R. Thangadeepika	x	x	x
6					
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Faculty Signature

UNIVERSITY EXAMINATION RESULT ANALYSIS

DATE OF THE EXAMINATION :

YEAR	No. of Students Appeared	No. of Students Passed	No. of Students Failed	% of Pass	% of Failure	Higher Mark	Faculty Handled	Department
Previous Year	17	17	-	100%	-	84	B. B. Bhat S. Ramya	Microbiology
Current Year	27	27	-	100%	-	85	M. Vinodha	Microbiology

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	-	-	4	11	12
(After Arrear Exams) No. of Students					


Subject In Charge


Class In charge


HoD


Principal

**CORRECTIVE AND PREVENTIVE ACTION RECORD FOR
UNIVERSITY EXAM**

Reason for Failure :

Corrective Action Proposed :

Recommendations & Remarks :

Test conducted for 3 years questions
2 marks.

Explain the important questions.

Coaching Details :

University questions paper test
conducted 5 and 10 marks.


Subject In Charge


Class In charge


HoD

COACHING CLASS FOR ADVANCED LEARNERS

S.NO	Roll.No / Reg.Number	Name of the Student	DATE					
			3/1	5/1	6/1			
1	CB203411 A01	V. Janani	X	X	X			
2	CB203411 H06	K. Kumutha	X	X	X			
3	CB203411 H07	R. Lakshmi	X	X	X			
4	CB203411 H19	B. Subashri	X	X	X			
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30								
Faculty Signature			(1)	(2)	(3)			

AR008

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR



FACULTY LOG BOOK

Department : MICRO BIOLOGY

Faculty Name : DR. M. VINOOTH

Class : III B.Sc MICROBIOLOGY

Title of the Paper : MICROBIAL BIOTECHNOLOGY
AND BIOETHICS

Subject Code : 163MBEMB3

Semester : VI

Academic Year 2022-2023

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR

TIME TABLE

Hour	I	II	III	IV	V
PO					III B.Sc Microbial Biotech
I					
II			III B.Sc Microbial Biotech		
III					III B.Sc Microbial Biotech
IV					III B.Sc Microbial Biotech
V					
VI				III B.Sc Microbial Biotech.	

M. Venkatesh
Faculty

D. J. Jeyaraj
HOD

V. S. Srinivasan
Principal

Syllabus

MICROBIAL BIOTECHNOLOGY AND BIOETHICS

UNIT I

Biotechnology: Definition - Milestones in History - Scope of microbial biotechnology and its applications - Microbial production of pharmaceuticals - antibiotics, hormones (Insulin), enzymes (streptokinase), recombinant vaccines (Hepatitis B vaccine) - Edible vaccine, Monoclonal antibodies

UNIT II

Microbial production of biofertilizers - (Rhizobia, Azospirillum, Frankia and VAM). Microbial production of bio-pesticides (Bacillus thuringiensis). Microbial production of bioplastics. Microorganisms in bioremediation: Degradation of xenobiotics.

UNIT III

Single cell protein (algae and yeast). Microalgal technology - Industrial cultivation methods of Spirulina - biotechnological potentials of Spirulina as: food and feed - Fuel production from microalgae - pharmaceutically valuable compounds from microalgae. Commercial production of bio-ethanol and bio-diesel using lignocellulosic waste.

UNIT IV

Genetic engineering of plants: Ti plasmid vectors and gene transfer in plants - Development of insect, virus and herbicide resistant plants. Transgenic animals: methods of creating transgenic mice and sheep. Human gene therapy - in vivo and ex vivo gene therapy.

UNIT V

Intellectual Property Rights (IPR) - different types of IPRs - Principles of Bioethics (IB) - Definition of Ethics and Bioethics. - Ethics committee - Brief account on risks and ethics of modern biotechnology - Ethical concerns in human gene therapy - Ethical limits of animal use. Ethical issues at the beginning of life (abortion) - Ethical issues at the end of life (withholding and withdrawing medical treatment and euthanasia)

REFERENCES

1. Desmond ST Nicholl. An Introduction to Genetic Engineering, 2nd edition, Cambridge university press, 2002.
2. Eric Grace. Biotechnology unzipped-promises and realities. Joseph Henry press, Washington, 1997.
3. Glick BR, and Pasternak JJ. Molecular Biotechnology, ASM press, Washington DC, 2001.
4. Glick BR, Pasternak JJ and Patten CL. Molecular Biotechnology 4th edition, ASM Press, 2010.
5. Satyanarayana U. Biotechnology. Books and Allied Pvt. Ltd. 2012.
6. Dubey RC. A textbook of Biotechnology. S. Chand and Company Ltd, 2013.
7. Ramawat KG and Shaily Goyal. Comprehensive Biotechnology. S. Chand and Company Ltd. 4th edition, 2009.
8. Rema LP, 2006. Applied Biotechnology. MJP Publishers, Chennai 2006.
9. Mukesh Pasupuleti. Molecular Biotechnology. MJP Publishers, Chennai 2006.
10. Helen Kreuzer and Adrienne Massey. Recombinant DNA and Biotechnology, American Society for Microbiology, Washington, 1996.
11. Old RW and Primrose SB. Principles of Gene Manipulation, 4th edition, Blackwell Scientific Publications, London, 1994.
12. Prave P, Paust V, Sitting W and Sukatasch D. Fundamentals of Biotechnology. VCH verlagsgesellschaft - mbH, Weinheim, 2000.
13. Trevan MD, Boffley S, Coulding KH and Stanbury P. Biotechnology - The basic principles - Tata McGraw Hill edition, 1990.
14. Watson JD, Gilman M, Witkowski J, Zoller M. Recombinant DNA - 2nd edition, Scientific American Books, 1992.

Unit-VI Additional Module

POPR, biofertilizers, biofuel
recombinant bioinoculant for sustainable agriculture

Course Objectives and Outcomes

Objectives :

1. To learn knowledge Definition and Scope of microbial biotechnology & production of Pharmaceuticals.
2. Students to gain knowledge the biofertilizers bio-pesticides and bioremediation.
3. Students study about the single cell protein and microalgal technology.
4. Students to know about the Genetic engineering of plants.
5. Students learnt about the IPR, IB, human gene therapy.

Outcomes :

1. TO learnt knowledge Definition and Scope of microbial biotechnology & production of Pharmaceuticals.
2. Students to gained knowledge the biofertilizers bio-pesticides and bioremediation.
3. Students studied about the single cell protein and microalgal technology.
4. Students know about the Genetic Engineering of plants.
5. Students learnt about the IPR, IB, human gene therapy.

Inference :

Students obtained pharmaceuticals biopesticides, microalgal technology, Genetic engineering and Human gene therapy.

LESSON PLAN & EXECUTION - UNIT - I

Class & Semester : III B.Sc MICROBIOLOGY & VIth SEMESTER
 Name of the Subject : MICROBIAL BIOTECHNOLOGY & BIOETHICS
 Name of Faculty member : DR. M. VINOTHA.

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	15/12/22	Syllabus was given & Introduction to the subject	15/12/22	Black Board.	
2	16/12/22	Definition, Milestones in history	16/12/22	Black Board.	
3	19/12/22	Scope of Microbial biotechnology and application.	19/12/22	Black Board	
4	21/12/22	Microbial Production of Pharmaceuticals.	21/12/22	Black Board	
5	22/12/22	Antibiotics	22/12/22	Black Board	
6	23/12/22	Hormones (Insulin)	23/12/22	Black Board	Verified 23/12/22
7	24/12/22	enzymes (Streptokinase)	24/12/22	PPT	
8	26/12/22	Recombinant Vaccines	26/12/22	PPT	
9	28/12/22	Edible Vaccine	28/12/22	PPT	
10	29/12/22	Monoclonal antibodies	29/12/22	PPT	
11	30/12/22	Refection	31/12/22	oral	
12	31/12/22	Test	31/12/22	written Test	Verified 31/12/22
13					
14					
15					

Textbooks:

1. Sathyanarayana U. Biotechnology . 2012
2. Desmond ST Nicholl. Introduction to Genetic Engineering

Reference:

1. Travan MD et al . 1990.
2. Bilazeri AN and Mikaido . Microbial Biotechnology 2007.

A. Diji
Academic Representative

M. Vintha
Subject In Charge

P. [Signature]
HOD

[Signature]
6/1/23
Principal

LESSON PLAN & EXECUTION - UNIT - II

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	02/01/23	Microbial Production - Rhizobia	02/01/23	Blackboard	
2	04/01/23	Aspergillum	04/01/23	Black Board	
3	05/01/23	Frankia	05/01/23	Black Board	
4	06/01/23	VAM	06/01/23	Black Board	visited
5	07/01/23	Microbial production bio-pesticides	07/01/23	PPT	
6	09/01/23	Bacillus thuringiensis	09/01/23	Black Board	
7	11/01/23	Microbial production, bioplastics	11/01/23	Black Board	
8	12/01/23	Microorganisms in bioremediation	13/01/23	Black Board	
9	12/01/23	Degradation of xenobiotics	13/01/23	Black Board	visited
10	18/01/23	Reversion	18/01/23	oral	
11	19/01/23	Test	19/01/23	written test	
12					
13					
14					
15					

Textbooks:

1. F. Tice Grass. Biotechnology unrivipped - Promises and realities 1997
2. Glick BR & Pasternak. Molecular Biotechnology 2001.

Reference:

1. Dubey PL. A text book of Biotechnology 2012
2. Ramo J P Applied Biotechnology 2006.

A. Das
Academic Representative

M. V. Jitendra
Subject In Charge

D. S. Jitendra
HOD

M. S. Jitendra
Principal

LESSON PLAN & EXECUTION - UNIT - III

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	21/01/23	Introduction to the topic Single cell Protein	21/01/23	Black board	
2	23/01/23	Algae and yeast	23/01/23	Black board	
3	24/01/23	Microalgal technology	24/01/23	Black board	
4	25/01/23	Industrial cultivation Methods. Spirulina.	25/01/23	Black board	
5	27/01/23	biotechnological Potentials of Spirulina sp.	27/01/23	PPT	
6	30/01/23	food and feed	30/01/23	PPT	
7	31/01/23	dual production from microalgae	31/01/23	PPT	
8	01/02/23	Pharmaceutically Value Compound microalgae	02/02/23	PPT	
9	02/02/23	Commercial Production of bio-ethanol	02/02/23	Black board	
10	03/02/23	bio-diesel	03/02/23	Black board	
11	06/02/23	using lignocellulosic waste	06/02/23	Black board	
12	07/02/23	Reaction	07/02/23	oral	
13					
14					
15					

Textbooks:

1. Rema J.P. 2006. Applied Biotechnology
2. Mukesh Pexupleti 2006. Molecular Biotechnology.

Reference:

1. Willey J.M et.al. 2014
2. Gupta P.K. 2009. Elements of Biotechnology

A. Dhye
Academic Representative

M. Vinita
Subject In Charge

P. Jha
HOD 11/2/23

[Signature]
Principal

LESSON PLAN & EXECUTION - UNIT -IV

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	08/02/23	Genetic engineering Introduction	08/02/23	Black board	
2	09/02/23	Tf plasmid vectors	13/02/23	Black board	
3	10/02/23	Gene transfer in plants	14/02/23	Black board	
4	13/02/23	Development of insect	14/02/23	Black board	
5	14/02/23	Virus resistant plants	15/02/23	Black board	
6	15/02/23	herbicide resistant plants	15/02/23	Black board	
7	16/02/23	Transgenic animals Method.	16/02/23	Black board	Verified
8	17/02/23	transgenic mice	17/02/23	Black board	Verified
9	20/02/23	transgenic sheep	20/02/23	Black board	Verified
10	21/02/23	In vivo gene therapy	21/02/23	Black board.	
11	22/02/23	Ex vivo gene therapy	29/02/23	Black board	
12	23/02/23	Reversion	23/02/23	Black board	
13	24/02/23	Reversion.	24/02/23	Black board	Verified
14					Verified
15					

Textbooks:

1. Trevan MD et.al The basic Principles. biotechnology 1990
- 2.

Reference:

1. Nancy S Jeter et.al. Bioethics, an Introduction
2. the history, methods & practice. 2nd edition 1985.

A. Shij
Academic Representative

M. Vitha
Subject In Charge

R. S. S. / 2/23
HOD

M. S. S. / 2/23
Principal

LESSON PLAN & EXECUTION - UNIT - V

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	27/02/23	Introduction to IPR Intellectual Property Rights	27/2/23	Black board	
2	28/02/23	different types of IPR	28/2/23	Black board	
3	01/03/23	principles of bioethics IB	1/3/23	Black board	
4	02/03/23	definition of ethics & bioethics.	2/3/23	Black board	Verified 10/4/23
5	03/03/23	Ethics committee risks and ethics of modern biotechnology	3/03/23	Black board	
6	06/03/23	Ethical concerns in human gene therapy	6/03/23	Black board	
7	07/03/23	Ethical limits of animal use	06/03/23	Black board	
8	08/03/23	Ethical issues beginning of life	10/03/23	Black board	
9	09/03/23	Ethical issues at the end of life	11/03/23	Black board	
10	10/03/23	Model question paper relection	12/03/23	Black board	
11	13/03/23	university question Test	12/03/23	Written	
12	14/03/23	Relection	12/03/23	oral.	Verified P. 11/4/23
13					
14					
15					

Textbooks:

1. Prave P et al Fundamentals of biotechnology 2000.

2.

Reference:

1. Rema LP Applied biotechnology 2006.

2.

A. Dhij
Academic Representative

M. Vultu
Subject In Charge

R. R. R.
HOD 11/4/23

M. R.
Principal 12/4

STUDENTS PARTICULARS

S.No.	Roll No./ Reg. No.	Name of the Student	Category of the Student		
			A	B	C
1	CB203411394	A. Arokiyaadhana priya			
2	CB203411395	R. Bhuvaneshwari			
3	CB203411396	B. Deepalakshmi			
4	CB203411398	R. Dhyanani			
5	CB203411399	A. Dhayishini			
6	CB203411400	S. Hemalatha			
7	CB203411401	V. Janani			
8	CB203411402	N. Jeewitha			
9	CB203411403	R. Kalaiselvi			
10	CB203411404	D. Kanya Vizhi			
11	CB203411405	R. Kengadevi			
12	CB203411406	K. Kumutha			
13	CB203411407	R. Lakshmi			
14	CB203411408	G. Malathi			
15	CB203411411	R. Priyadhashini			
16	CB203411412	R. Ramya			
17	CB203411413	R. Rathiya			
18	CB203411414	T.M. Rithicka			
19	CB203411415	M. Rashini			
20	CB203411416	P. Saranya			
21	CB203411417	N. Sowmiya			
22	CB203411418	R. Srimathi			
23	CB203411419	B. Subashri			
24	CB203411422	A. Swetha			
25	CB203411423	V. Swetha			
26	CB203411424	R. Thangadeepika			
27	CB203411425	J. Vaishnavi			
28					
29					
30					

TEST PERFORMANCE							Assignments (5)	Seminar (5)	Attendance (5)	Internal Marks (25)
CIA - I	Retest	CIA - II	Retest	Model	CIA 1 (5)	CIA 2 (5)				
60		75		56						23
68		71		59						23
58		65		48						23
60		78		49						20
78		86		67						24
60		75		54						24
83		85		68						24
45		55		47						22
60		a	45	57						22
35		44		27						22
a		75		51						23
83		90		71						24
83		90		69						24
65		69		57						23
a	58	80		53						24
88		89		67						24
63		72		48						24
45		68		40						23
a	53	65		47						23
75		81		60						24
75		75		53						23
63		53		49						20
80		89		61						24
61		75		53						23
60		79		51						20
a		56		47						20
86		92		68						24

MAL

R. P. K.
25/3/23

R. P. K.
21/4/23

CONTINUOUS INTERNAL ASSESSMENT I RESULT ANALYSIS

1. Date of the test / examination : 30/01/2023
2. Total no. of Students : 27
3. No. of Students Appeared : 23
4. No. of Students Passed : 22
5. No. of Students failed : 1
6. Pass Percentage : 96%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	1	1	1	11	8
(After Retest)					
No. of Students					

[Signature]
Subject In Charge

[Signature]
HOB

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA I

Reason for Failure:

Students can't attend the questions

Corrective Action Proposed:

Unit wise two marks question were given

Recommendations & Remarks:

Test conducted for unit wise questions,
and explain

Coaching Details:

Two mark question. Unit 1 & 2 test
conducted.

100

M. V. S. S. S.
Subject In Charge

M. V. S. S. S.
Class In charge

~~2-1~~
100

REMEDIAL CLASS ATTENDANCE FOR CIA I

S.NO	Roll.No / Reg.Number	Name of the Student	DATE			
			3/2	6/2	7/2	8/2
1	CB2094111102	N. Jeevitha	X	X	X	X
2	CB2094111104	D. Kayalvizhi	X	X	X	X
3	CB2094111104	T. M. Rithicka	X	X	X	X
4						
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Faculty Signature


CONTINUOUS INTERNAL ASSESSMENT II RESULT ANALYSIS

1. Date of the test / examination : 03/03/2023
2. Total no. of Students : 27
3. No. of Students Appeared : 26
4. No. of Students Passed : 25
5. No. of Students failed : 1
6. Pass Percentage : 96%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	-	1	3	6	16
(After Retest) No. of Students		1	3	6	16

M. V. 
Subject In Charge


HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA II

Reason for Failure :

Students did not write the test.

Corrective Action Proposed :

Topics were explained in detail
Test was conducted.

Recommendations & Remarks :

Students studied in detail referring
many books.

Coaching Details :

=> Topics was explained individually.

=> Test was conducted in 2 Marks.

=> Seminars were conducted in detail.

ML
28/4

M. Vithu
Subject In Charge

M. Vithu
Class In charge

R. S. S.
HoD

MODEL EXAM RESULT ANALYSIS

1. Date of the test / examination : 29/03/2023
2. Name of the Examination : MODEL EXAMINATION
3. Total no. of Students : 27
4. No. of Students Appeared : 27
5. No. of Students Passed : 25
6. No. of Students failed : 2
7. Pass Percentage : 92.59

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	1	8	10	8	—
(After Retest) No. of Students					

M. V. S. S.
Subject In Charge

R. S. S.
22/4/23
HOD

**CORRECTIVE AND PREVENTIVE ACTION RECORD FOR
MODEL EXAM**

Reason for Failure :

Students can't attend the all questions.

Corrective Action Proposed :

Unit wise question were given

Recommendations & Remarks :

Test conducted for unit wise questions
and explain

Coaching Details :

- ⇒ Two mark question - Unit 1, 2, 3 & 4 test conducted.
- ⇒ University question explained.



M. Vaitha
Subject In Charge




M. Vaitha
Class In charge


HoD

REMEDIAL CLASS ATTENDANCE FOR MODEL

S.NO	Reg.No / Reg.Number	Name of the Student	DATE		
			3/4	5/4	6/4
1	CB203411396	B. Deepalakshmi	x	x	x
2	CB203411398	R. Dharmani	x	x	x
3	CB203411404	D. Kalyaniji	x	x	x
4	CB203411414	T.M. Rithicka	x	x	x
5	CB203411424	R. Thangadeepika	x	x	x
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Faculty Signature

UNIVERSITY EXAMINATION RESULT ANALYSIS

DATE OF THE EXAMINATION :

YEAR	No. of Students Appeared	No. of Students Passed	No. of Students Failed	% of Pass	% of Failure	Higher Mark	Faculty Handled	Department
Previous Year	17	17	-	100%	-	84	B. B. Bhat S. Ramya	Microbiology
Current Year	27	27	-	100%	-	85	M. Vinodha	Microbiology

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	-	-	4	11	12
(After Arrear Exams) No. of Students					


Subject In Charge


Class In charge


HoD


Principal

**CORRECTIVE AND PREVENTIVE ACTION RECORD FOR
UNIVERSITY EXAM**

Reason for Failure :

Corrective Action Proposed :

Recommendations & Remarks :

Test conducted for 3 years questions
2 marks.

Explain the important questions.

Coaching Details :

University questions paper test
conducted 5 and 10 marks.


Subject In Charge


Class In charge


HoD

COACHING CLASS FOR ADVANCED LEARNERS

S.NO	Roll.No / Reg.Number	Name of the Student	DATE					
			3/1	5/1	6/1			
1	CB203411 A01	V. Janani	X	X	X			
2	CB203411 H06	K. Kumutha	X	X	X			
3	CB203411 H07	R. Lakshmi	X	X	X			
4	CB203411 H19	B. Subashri	X	X	X			
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Faculty Signature			(1)	(1)	(1)			

AR008

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR



FACULTY LOG BOOK

Department : MICRO BIOLOGY

Faculty Name : DR. M. VINOOTH

Class : III B.Sc MICROBIOLOGY

Title of the Paper : MICROBIAL BIOTECHNOLOGY
AND BIOETHICS

Subject Code : 163MBEMB3

Semester : VI

Academic Year 2022 - 2023

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR

TIME TABLE

Hour	I	II	III	IV	V
PO					III B.Sc Microbial Biotech
I					
II			III B.Sc Microbial Biotech		
III					III B.Sc Microbial Biotech
IV					III B.Sc Microbial Biotech
V					
VI				III B.Sc Microbial Biotech.	

M. Venkatesh
Faculty

D. J. Jeyaraj
HOD

V. S. Srinivasan
Principal

Syllabus

MICROBIAL BIOTECHNOLOGY AND BIOETHICS

UNIT I

Biotechnology: Definition - Milestones in History - Scope of microbial biotechnology and its applications - Microbial production of pharmaceuticals - antibiotics, hormones (Insulin), enzymes (streptokinase), recombinant vaccines (Hepatitis B vaccine) - Edible vaccine, Monoclonal antibodies

UNIT II

Microbial production of biofertilizers - (Rhizobia, Azospirillum, Frankia and VAM). Microbial production of bio-pesticides (Bacillus thuringiensis). Microbial production of bioplastics. Microorganisms in bioremediation: Degradation of xenobiotics.

UNIT III

Single cell protein (algae and yeast). Microalgal technology - Industrial cultivation methods of Spirulina - biotechnological potentials of Spirulina as: food and feed - Fuel production from microalgae - pharmaceutically valuable compounds from microalgae. Commercial production of bio-ethanol and bio-diesel using lignocellulosic waste.

UNIT IV

Genetic engineering of plants: Ti plasmid vectors and gene transfer in plants - Development of insect, virus and herbicide resistant plants. Transgenic animals: methods of creating transgenic mice and sheep. Human gene therapy - in vivo and ex vivo gene therapy.

UNIT V

Intellectual Property Rights (IPR) - different types of IPRs - Principles of Bioethics (IB) - Definition of Ethics and Bioethics. - Ethics committee - Brief account on risks and ethics of modern biotechnology - Ethical concerns in human gene therapy - Ethical limits of animal use. Ethical issues at the beginning of life (abortion) - Ethical issues at the end of life (withholding and withdrawing medical treatment and euthanasia)

REFERENCES

1. Desmond ST Nicholl. An Introduction to Genetic Engineering, 2nd edition, Cambridge university press, 2002.
2. Erica Grace. Biotechnology unzipped-promises and realities. Joseph Henry press, Washington, 1997.
3. Glick BR, and Pasternak JJ. Molecular Biotechnology, ASM press, Washington DC, 2001.
4. Glick BR, Pasternak JJ and Patten CL. Molecular Biotechnology 4th edition, ASM Press, 2010.
5. Satyanarayana U. Biotechnology. Books and Allied Pvt. Ltd. 2012.
6. Dubey RC. A textbook of Biotechnology. S. Chand and Company Ltd, 2013.
7. Ramawat KG and Shaily Goyal. Comprehensive Biotechnology. S. Chand and Company Ltd. 4th edition, 2009.
8. Rema LP, 2006. Applied Biotechnology. MJP Publishers, Chennai 2006.
9. Mukesh Pasupuleti. Molecular Biotechnology. MJP Publishers, Chennai 2006.
10. Helen Kreuzer and Adrienne Massey. Recombinant DNA and Biotechnology, American Society for Microbiology, Washington, 1996.
11. Old RW and Primrose SB. Principles of Gene Manipulation, 4th edition, Blackwell Scientific Publications, London, 1994.
12. Prave P, Paust V, Sitting W and Sukatasch D. Fundamentals of Biotechnology. VCH verlagsgesellschaft - mbH, Weinheim, 2000.
13. Trevan MD, Boffley S, Coulding KH and Stanbury P. Biotechnology - The basic principles - Tata McGraw Hill edition, 1990.
14. Watson JD, Gilman M, Witkowski J, Zoller M. Recombinant DNA - 2nd edition, Scientific American Books, 1992.

Unit-VI Additional Module

POPR, biofertilizers, biodiesel
recombinant bioinoculant for sustainable agriculture

Course Objectives and Outcomes

Objectives :

1. To learn knowledge Definition and Scope of microbial biotechnology & production of Pharmaceuticals.
2. Students to gain knowledge the biofertilizers bio-pesticides and bioremediation.
3. Students study about the single cell protein and microalgal technology.
4. Students to know about the Genetic engineering of plants.
5. Students learnt about the IPR, IB, human gene therapy.

Outcomes :

1. TO learnt knowledge Definition and Scope of microbial biotechnology & production of Pharmaceuticals.
2. Students to gained knowledge the biofertilizers bio-pesticides and bioremediation.
3. Students studied about the single cell protein and microalgal technology.
4. Students know about the Genetic Engineering of plants.
5. Students learnt about the IPR, IB, human gene therapy.

Inference :

Students obtained pharmaceuticals biopesticides, microalgal technology, Genetic engineering and Human gene therapy.

LESSON PLAN & EXECUTION - UNIT - I

Class & Semester : III B.Sc MICROBIOLOGY & VIth SEMESTER
 Name of the Subject : MICROBIAL BIOTECHNOLOGY & BIOETHICS
 Name of Faculty member : DR. M. VINOTHA.

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	15/12/22	Syllabus was given & Introduction to the subject	15/12/22	Black Board.	
2	16/12/22	Definition, Milestones in history	16/12/22	Black Board.	
3	19/12/22	Scope of Microbial biotechnology and application.	19/12/22	Black Board	
4	21/12/22	Microbial Production of Pharmaceuticals.	21/12/22	Black Board	
5	22/12/22	Antibiotics	22/12/22	Black Board	
6	23/12/22	Hormones (Insulin)	23/12/22	Black Board	Verified 23/12/22
7	24/12/22	enzymes (Streptokinase)	24/12/22	PPT	
8	26/12/22	Recombinant Vaccines	26/12/22	PPT	
9	28/12/22	Edible Vaccine	28/12/22	PPT	
10	29/12/22	Monoclonal antibodies	29/12/22	PPT	
11	30/12/22	Refection	31/12/22	oral	
12	31/12/22	Test	31/12/22	written Test	Verified 31/12/22
13					
14					
15					

Textbooks:

1. Sathyanarayana U. Biotechnology . 2012
2. Desmond ST Nicholl. Introduction to Genetic Engineering

Reference:

1. Travan MD et al . 1990.
2. Bilazeri AN and Mikaido . Microbial Biotechnology 2007.

A. Sri
Academic Representative

M. Vintha
Subject In Charge

P. ...
HOD

...
Principal

LESSON PLAN & EXECUTION - UNIT - II

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	02/01/23	Microbial Production - Rhizobia	02/01/23	Blackboard	
2	04/01/23	Aspergillum	04/01/23	Black Board	
3	05/01/23	Frankia	05/01/23	Black Board	
4	06/01/23	VAM	06/01/23	Black Board	visited
5	07/01/23	Microbial production bio-pesticides	07/01/23	PPT	
6	09/01/23	Bacillus thuringiensis	09/01/23	Black Board	
7	11/01/23	Microbial production, bioplastics	11/01/23	Black Board	
8	12/01/23	Microorganisms in bioremediation	13/01/23	Black Board	
9	12/01/23	Degradation of xenobiotics	13/01/23	Black Board	visited
10	18/01/23	Reversion	18/01/23	oral	
11	19/01/23	Test	19/01/23	written test	
12					
13					
14					
15					

Textbooks:

1. J. Rice Grass. Biotechnology unrivipped - Promises and Reality 1997
2. Glick BR & Pasternak. Molecular Biotechnology 2001.

Reference:

1. Dubey PL. A text book of Biotechnology 2012
2. Ramo J P Applied Biotechnology 2006.

A. Das
Academic Representative

M. V. Jitendra
Subject In Charge

D. S. Jitendra
HOD

M. S. Jitendra
Principal

LESSON PLAN & EXECUTION - UNIT - III

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	21/01/23	Introduction to the topic Single cell Protein	21/01/23	Black board	
2	23/01/23	Algae and yeast	23/01/23	Black board	
3	24/01/23	Microalgal technology	24/01/23	Black board	
4	25/01/23	Industrial cultivation Methods. Spirulina.	25/01/23	Black board	
5	27/01/23	biotechnological Potentials of Spirulina sp.	27/01/23	PPT	
6	30/01/23	food and feed	30/01/23	PPT	
7	31/01/23	dual production from microalgae	31/01/23	PPT	
8	01/02/23	Pharmaceutically Value Compound microalgae	02/02/23	PPT	
9	02/02/23	Commercial Production of bio-ethanol	02/02/23	Black board	
10	03/02/23	bio-diesel	03/02/23	Black board	
11	06/02/23	using lignocellulosic waste	06/02/23	Black board	
12	07/02/23	Reaction	07/02/23	oral	
13					
14					
15					

Textbooks:

1. Rema J.P. 2006. Applied Biotechnology
2. Mukesh Pexupleti 2006. Molecular Biotechnology.

Reference:

1. Willey J.M et.al. 2014
2. Gupta P.K. 2009. Elements of Biotechnology

A. Dhye
Academic Representative

M. Vinita
Subject In Charge

P. Jha
HOD 11/2/23

[Signature]
Principal

LESSON PLAN & EXECUTION - UNIT -IV

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	08/02/23	Genetic engineering Introduction	08/02/23	Black board	
2	09/02/23	Tf plasmid vectors	13/02/23	Black board	
3	10/02/23	Gene transfer in plants	14/02/23	Black board	
4	13/02/23	Development of insect	14/02/23	Black board	
5	14/02/23	Virus resistant plants	15/02/23	Black board	
6	15/02/23	herbicide resistant plants	15/02/23	Black board	
7	16/02/23	Transgenic animals Method.	16/02/23	Black board	Verified
8	17/02/23	transgenic mice	17/02/23	Black board	Verified
9	20/02/23	transgenic sheep	20/02/23	Black board	
10	21/02/23	In vivo gene therapy	21/02/23	Black board.	
11	22/02/23	Ex vivo gene therapy	29/02/23	Black board	
12	23/02/23	Reversion	23/02/23	Black board	
13	24/02/23	Reversion.	24/02/23	Black board	Verified
14					Verified
15					

Textbooks:

1. Trevan MD et.al The basic Principles. biotechnology 1990
- 2.

Reference:

1. Nancy S Jeter et.al. Bioethics, an Introduction
2. the history, methods & practice. 2nd edition 1985.

A. Shij
Academic Representative

M. Vitha
Subject In Charge

P. S. S. S. S.
HOD

M. S.
Principal

LESSON PLAN & EXECUTION - UNIT - V

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	27/02/23	Introduction to IPR Intellectual Property Rights	27/2/23	Black board	
2	28/02/23	different types of IPR	28/2/23	Black board	
3	01/03/23	principles of bioethics IB	1/3/23	Black board	
4	02/03/23	definition of ethics & bioethics.	2/3/23	Black board	Verified 10/4/23
5	03/03/23	Ethics committee risks and ethics of modern biotechnology	3/03/23	Black board	
6	06/03/23	Ethical concerns in human gene therapy	6/03/23	Black board	
7	07/03/23	Ethical limits of animal use	06/03/23	Black board	
8	08/03/23	Ethical issues beginning of life	10/03/23	Black board	
9	09/03/23	Ethical issues at the end of life	11/03/23	Black board	
10	10/03/23	Model question paper relection	12/03/23	Black board	
11	13/03/23	university question Test	12/03/23	Written	
12	14/03/23	Relection	12/03/23	oral.	Verified P. 11/4/23
13					
14					
15					

Textbooks:

1. Prave P et al Fundamentals of biotechnology 2000.

2.

Reference:

1. Rema LP Applied biotechnology 2006.

2.

A. Dhij
Academic Representative

M. Vultu
Subject In Charge

R. R. R.
HOD 11/4/23

M. R.
Principal 12/4/23

STUDENTS PARTICULARS

S.No.	Roll No./ Reg. No.	Name of the Student	Category of the Student		
			A	B	C
1	CB203411394	A. Arokiyaadhana Priya			
2	CB203411395	R. Bhuvaneshwari			
3	CB203411396	B. Deepalakshmi			
4	CB203411398	R. Dhyanani			
5	CB203411399	A. Dhayishini			
6	CB203411400	S. Hemalatha			
7	CB203411401	V. Janani			
8	CB203411402	N. Jeenuitha			
9	CB203411403	R. Kalaiselvi			
10	CB203411404	D. Kanya Vizhi			
11	CB203411405	R. Kengadevi			
12	CB203411406	K. Kumutha			
13	CB203411407	R. Lakshmi			
14	CB203411408	G. Malathi			
15	CB203411411	R. Priyadhashini			
16	CB203411412	R. Ramya			
17	CB203411413	R. Rathiya			
18	CB203411414	T.M. Rithicka			
19	CB203411415	M. Rashini			
20	CB203411416	P. Saranya			
21	CB203411417	N. Sowmiya			
22	CB203411418	R. Srimathi			
23	CB203411419	B. Subashri			
24	CB203411422	A. Swetha			
25	CB203411423	V. Swetha			
26	CB203411424	R. Thangadeepika			
27	CB203411425	J. Vaishnavi			
28					
29					
30					

TEST PERFORMANCE							Assignments (5)	Seminar (5)	Attendance (5)	Internal Marks (25)
CIA - I	Retest	CIA - II	Retest	Model	CIA 1 (5)	CIA 2 (5)				
60		75		56						23
68		71		59						23
58		65		48						23
60		78		49						20
78		86		67						24
60		75		54						24
83		85		68						24
45		55		47						22
60		a	45	57						22
35		44		27						22
a		75		51						23
83		90		71						24
83		90		69						24
65		69		57						23
a	58	80		53						24
88		89		67						24
63		72		48						24
45		68		40						23
a	53	65		47						23
75		81		60						24
75		75		53						23
63		53		49						20
80		89		61						24
61		75		53						23
60		79		51						20
a		56		47						20
86		92		68						24

MAL

R. P. K.
25/3/23

R. P. K.
21/4/23

CONTINUOUS INTERNAL ASSESSMENT I RESULT ANALYSIS

1. Date of the test / examination : 30/01/2023
2. Total no. of Students : 27
3. No. of Students Appeared : 23
4. No. of Students Passed : 22
5. No. of Students failed : 1
6. Pass Percentage : 96%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	1	1	1	11	8
(After Retest)					
No. of Students					

[Signature]
Subject In Charge

[Signature]
HOB

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA I

Reason for Failure:

Students can't attend the questions

Corrective Action Proposed:

Unit wise two marks question were given

Recommendations & Remarks:

Test conducted for unit wise questions,
and explain

Coaching Details:

Two mark question. Unit 1 & 2 test
conducted.

100

M. V. S. S. S.
Subject In Charge

M. V. S. S. S.
Class In charge

~~2-1~~
100

REMEDIAL CLASS ATTENDANCE FOR CIA I

S.NO	Roll.No / Reg.Number	Name of the Student	DATE			
			3/2	6/2	7/2	8/2
1	CB2094111102	N. Jeevitha	X	X	X	X
2	CB2094111104	D. Kayalvizhi	X	X	X	X
3	CB2094111104	T. M. Rithicka	X	X	X	X
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30						
Faculty Signature			(4/2)	(4/2)	(4/2)	(4/2)


CONTINUOUS INTERNAL ASSESSMENT II RESULT ANALYSIS

1. Date of the test / examination : 03/03/2023
2. Total no. of Students : 27
3. No. of Students Appeared : 26
4. No. of Students Passed : 25
5. No. of Students failed : 1
6. Pass Percentage : 96%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	-	1	3	6	16
(After Retest) No. of Students		1	3	6	16

M. V. 
Subject In Charge


HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA II

Reason for Failure :

Students did not write the test.

Corrective Action Proposed :

Topics were explained in detail
Test was conducted.

Recommendations & Remarks :

Students studied in detail referring
many books.

Coaching Details :

=> Topics was explained individually.

=> Test was conducted in 2 Marks.

=> Seminars were conducted in detail.

ML
28/4

M. Vitha
Subject In Charge

M. Vitha
Class In charge

R. S. S.
HoD

MODEL EXAM RESULT ANALYSIS

1. Date of the test / examination : 29/03/2023
2. Name of the Examination : MODEL EXAMINATION
3. Total no. of Students : 27
4. No. of Students Appeared : 27
5. No. of Students Passed : 25
6. No. of Students failed : 2
7. Pass Percentage : 92.59

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	1	8	10	8	—
(After Retest) No. of Students					

M. V. S. S.
Subject In Charge

R. S. S.
22/4/23
HOD

**CORRECTIVE AND PREVENTIVE ACTION RECORD FOR
MODEL EXAM**

Reason for Failure :

Students can't attend the all questions.

Corrective Action Proposed :

Unit wise question were given

Recommendations & Remarks :

Test conducted for unit wise questions
and explain

Coaching Details :

- ⇒ Two mark question - Unit 1, 2, 3 & 4 test conducted.
- ⇒ University question explained.



M. Vaitha
Subject In Charge




M. Vaitha
Class In charge


HoD

REMEDIAL CLASS ATTENDANCE FOR MODEL

S.NO	Reg.No / Reg.Number	Name of the Student	DATE		
			3/4	5/4	6/4
1	CB203411396	B. Deepalakshmi	x	x	x
2	CB203411398	R. Dharmani	x	x	x
3	CB203411404	D. Kalyaniji	x	x	x
4	CB203411414	T.M. Rithicka	x	x	x
5	CB203411424	R. Thangadeepika	x	x	x
6					
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30					

Faculty Signature

UNIVERSITY EXAMINATION RESULT ANALYSIS

DATE OF THE EXAMINATION :

YEAR	No. of Students Appeared	No. of Students Passed	No. of Students Failed	% of Pass	% of Failure	Higher Mark	Faculty Handled	Department
Previous Year	17	17	-	100%	-	84	B. B. Bhat S. Ramya	Microbiology
Current Year	27	27	-	100%	-	85	M. Vinodha	Microbiology

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	-	-	4	11	12
(After Arrear Exams) No. of Students					


Subject In Charge


Class In charge


HoD


Principal

**CORRECTIVE AND PREVENTIVE ACTION RECORD FOR
UNIVERSITY EXAM**

Reason for Failure :

Corrective Action Proposed :

Recommendations & Remarks :

Test conducted for 3 years questions
2 marks.

Explain the important questions.

Coaching Details :

University questions paper test
conducted 5 and 10 marks.


Subject In Charge


Class In charge


HoD

COACHING CLASS FOR ADVANCED LEARNERS

S.NO	Roll.No / Reg.Number	Name of the Student	DATE					
			3/1	5/1	6/1			
1	CB2034111A01	V. Janani	X	X	X			
2	CB2034111A06	K. Kumutha	X	X	X			
3	CB2034111A07	R. Lakshmi	X	X	X			
4	CB2034111A19	B. Subashri	X	X	X			
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30								
Faculty Signature			(1)	(2)	(3)			

AR008

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR



FACULTY LOG BOOK

Department : MICRO BIOLOGY

Faculty Name : DR. M. VINOOTH

Class : III B.Sc MICROBIOLOGY

Title of the Paper : MICROBIAL BIOTECHNOLOGY
AND BIOETHICS

Subject Code : 163MBEMB3

Semester : VI

Academic Year 2022 - 2023

SRI SARADA NIKETAN COLLEGE FOR WOMEN, KARUR

TIME TABLE

Hour	I	II	III	IV	V
PO					III B.Sc Microbial Biotech
I					
II			III B.Sc Microbial Biotech		
III					III B.Sc Microbial Biotech
IV					III B.Sc Microbial Biotech
V					
VI				III B.Sc Microbial Biotech.	

M. Venkatesh
Faculty

D. J. Jeyaraj
HOD

V. S. Srinivasan
Principal

Syllabus

MICROBIAL BIOTECHNOLOGY AND BIOETHICS

UNIT I

Biotechnology: Definition - Milestones in History - Scope of microbial biotechnology and its applications - Microbial production of pharmaceuticals - antibiotics, hormones (Insulin), enzymes (streptokinase), recombinant vaccines (Hepatitis B vaccine) - Edible vaccine, Monoclonal antibodies

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UNIT III

Single cell protein (algae and yeast). Microalgal technology - Industrial cultivation methods of Spirulina - biotechnological potentials of Spirulina as: food and feed - Fuel production from microalgae - pharmaceutically valuable compounds from microalgae. Commercial production of bio-ethanol and bio-diesel using lignocellulosic waste.

UNIT IV

Genetic engineering of plants: Ti plasmid vectors and gene transfer in plants - Development of insect, virus and herbicide resistant plants. Transgenic animals: methods of creating transgenic mice and sheep. Human gene therapy - in vivo and ex vivo gene therapy.

UNIT V

Intellectual Property Rights (IPR) - different types of IPRs - Principles of Bioethics (IB) - Definition of Ethics and Bioethics. - Ethics committee - Brief account on risks and ethics of modern biotechnology - Ethical concerns in human gene therapy - Ethical limits of animal use. Ethical issues at the beginning of life (abortion) - Ethical issues at the end of life (withholding and withdrawing medical treatment and euthanasia)

REFERENCES

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2. Erica Grace. Biotechnology unzipped-promises and realities. Joseph Henry press, Washington, 1997.
3. Glick BR, and Pasternak JJ. Molecular Biotechnology, ASM press, Washington DC, 2001.
4. Glick BR, Pasternak JJ and Patten CL. Molecular Biotechnology 4th edition, ASM Press, 2010.
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9. Mukesh Pasupuleti. Molecular Biotechnology. MJP Publishers, Chennai 2006.
10. Helen Kreuzer and Adrienne Massey. Recombinant DNA and Biotechnology, American Society for Microbiology, Washington, 1996.
11. Old RW and Primrose SB. Principles of Gene Manipulation, 4th edition, Blackwell Scientific Publications, London, 1994.
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13. Trevan MD, Boffley S, Coulding KH and Stanbury P. Biotechnology - The basic principles - Tata McGraw Hill edition, 1990.
14. Watson JD, Gilman M, Witkowski J, Zoller M. Recombinant DNA - 2nd edition, Scientific American Books, 1992.

Unit-VI Additional Module

PCR, biofertilizers, biofuel
recombinant bioinoculant for sustainable agriculture

Course Objectives and Outcomes

Objectives :

1. To learn knowledge Definition and Scope of microbial biotechnology & production of Pharmaceuticals.
2. Students to gain knowledge the biofertilizers bio-pesticides and bioremediation.
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5. Students learnt about the IPR, IB, human gene therapy.

Inference :

Students obtained pharmaceuticals biopesticides, microalgal technology, Genetic engineering and Human gene therapy.

LESSON PLAN & EXECUTION - UNIT - I

Class & Semester : III B.Sc MICROBIOLOGY & VIth SEMESTER
 Name of the Subject : MICROBIAL BIOTECHNOLOGY & BIOETHICS
 Name of Faculty member : DR. M. VINOTHA.

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	15/12/22	Syllabus was given & Introduction to the subject	15/12/22	Black Board.	
2	16/12/22	Definition, Milestones in history	16/12/22	Black Board.	
3	19/12/22	Scope of Microbial biotechnology and application.	19/12/22	Black Board	
4	21/12/22	Microbial Production of Pharmaceuticals.	21/12/22	Black Board	
5	22/12/22	Antibiotics	22/12/22	Black Board	
6	23/12/22	Hormones (Insulin)	23/12/22	Black Board	Verified 23/12/22
7	24/12/22	enzymes (Streptokinase)	24/12/22	PPT	
8	26/12/22	Recombinant Vaccines	26/12/22	PPT	
9	28/12/22	Edible Vaccine	28/12/22	PPT	
10	29/12/22	Monoclonal antibodies	29/12/22	PPT	
11	30/12/22	Refection	31/12/22	oral	
12	31/12/22	Test	31/12/22	written Test	Verified 31/12/22
13					
14					
15					

Textbooks:

1. Sathyanarayana U. Biotechnology . 2012
2. Desmond ST Nicholl. Introduction to Genetic Engineering

Reference:

1. Travan MD et al . 1990.
2. Bilazeri AN and Mikaido . Microbial Biotechnology 2007.

A. Diji
Academic Representative

M. Vintha
Subject In Charge

P. [Signature]
HOD

[Signature]
Principal

LESSON PLAN & EXECUTION - UNIT - II

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	02/01/23	Microbial Production - Rhizobia	02/01/23	Blackboard	
2	04/01/23	Aspergillum	04/01/23	Black Board	
3	05/01/23	Frankia	05/01/23	Black Board	
4	06/01/23	VAM	06/01/23	Black Board	visited
5	07/01/23	Microbial production bio-pesticides	07/01/23	PPT	
6	09/01/23	Bacillus thuringiensis	09/01/23	Black Board	
7	11/01/23	Microbial production bioplastics	11/01/23	Black Board	
8	12/01/23	Microorganisms in bioremediation	13/01/23	Black Board	
9	12/01/23	Degradation of xenobiotics	13/01/23	Black Board	visited
10	18/01/23	Reversion	18/01/23	oral	
11	19/01/23	Test	19/01/23	written test	
12					
13					
14					
15					

Textbooks:

1. J. Rice Grass. Biotechnology unrivipped - Promises and realities 1997
2. Glick BR & Pasternak. Molecular Biotechnology 2001.

Reference:

1. Dubey PL. A text book of Biotechnology 2012
2. Ram J P Applied Biotechnology 2006.

A. Singh
Academic Representative

M. V. Jindal
Subject In Charge

D. Singh
HOD

M. Singh
Principal

LESSON PLAN & EXECUTION - UNIT - III

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	21/01/23	Introduction to the topic Single cell Protein	21/01/23	Black board	
2	23/01/23	Algal and yeast	23/01/23	Black board	
3	24/01/23	Microalgal technology	24/01/23	Black board	
4	25/01/23	Industrial cultivation Methods. Spirulina.	25/01/23	Black board	
5	27/01/23	biotechnological Potentials of Spirulina sp.	27/01/23	PPT	
6	30/01/23	food and feed	30/01/23	PPT	
7	31/01/23	dual production from microalgae	31/01/23	PPT	
8	01/02/23	Pharmaceutically Value Compound microalgae	02/02/23	PPT	
9	02/02/23	Commercial Production of bio-ethanol	02/02/23	Black board	
10	03/02/23	bio-diesel	03/02/23	Black board	
11	06/02/23	using lignocellulosic waste	06/02/23	Black board	
12	07/02/23	Reaction	07/02/23	oral	
13					
14					
15					

Textbooks:

1. Rema J.P. 2006. Applied Biotechnology
2. Mukesh Pexupleti 2006. Molecular Biotechnology.

Reference:

1. Willey J.M et.al. 2014
2. Gupta P.K. 2009. Elements of Biotechnology

A. Dhye
Academic Representative

M. Vinita
Subject In Charge

P. Jha
HOD 11/2/23

[Signature]
Principal

LESSON PLAN & EXECUTION - UNIT -IV

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	08/02/23	Genetic engineering Introduction	08/02/23	Black board	
2	09/02/23	Tf plasmid vectors	13/02/23	Black board	
3	10/02/23	Gene transfer in plants	14/02/23	Black board	
4	13/02/23	Development of insect	14/02/23	Black board	
5	14/02/23	Virus resistant plants	15/02/23	Black board	
6	15/02/23	herbicide resistant plants	15/02/23	Black board	
7	16/02/23	Transgenic animals Method.	16/02/23	Black board	Verified
8	17/02/23	transgenic mice	17/02/23	Black board	Verified
9	20/02/23	transgenic sheep	20/02/23	Black board	
10	21/02/23	In vivo gene therapy	21/02/23	Black board.	
11	22/02/23	Ex vivo gene therapy	29/02/23	Black board	
12	23/02/23	Reversion	23/02/23	Black board	
13	24/02/23	Reversion.	24/02/23	Black board	Verified
14					Verified
15					

Textbooks:

1. Trevan MD et.al The basic Principles. biotechnology 1990
- 2.

Reference:

1. Nancy S Jeter et.al. Bioethics, an Introduction
2. the history, methods & practice. 2nd edition 1985.

A. Shij
Academic Representative

M. Vitha
Subject In Charge

P. S. S. S. S.
HOD

M. S.
Principal

LESSON PLAN & EXECUTION - UNIT - V

	Date Planned	Topic(s) to be covered	Actual Date	Teaching aids	Remarks
1	27/02/23	Introduction to IPR Intellectual Property Rights	27/2/23	Black board	
2	28/02/23	different types of IPR	28/2/23	Black board	
3	01/03/23	principles of bioethics 1B	1/3/23	Black board	
4	02/03/23	definition of ethics & bioethics.	2/3/23	Black board	Verified 10/4/23
5	03/03/23	Ethics committee risks and ethics of modern biotechnology	3/03/23	Black board	
6	06/03/23	Ethical concerns in human gene therapy	6/03/23	Black board	
7	07/03/23	Ethical limits of animal use	06/03/23	Black board	
8	08/03/23	Ethical issues beginning of life	10/03/23	Black board	
9	09/03/23	Ethical issues at the end of life	11/03/23	Black board	
10	10/03/23	Model question paper relection	12/03/23	Black board	
11	13/03/23	university question Test	12/03/23	Written	
12	14/03/23	Relection	12/03/23	oral.	Verified P. 11/4/23
13					
14					
15					

Textbooks:

1. Prave P et al Fundamentals of biotechnology 2000.

2.

Reference:

1. Rema LP Applied biotechnology 2006.

2.

A. Dhij
Academic Representative

M. Vultu
Subject In Charge

R. R. R.
HOD 11/4/23

M. R.
Principal 12/4/23

STUDENTS PARTICULARS

S.No.	Roll No./ Reg. No.	Name of the Student	Category of the Student		
			A	B	C
1	CB203411394	A. Arokiyaadhana Priya			
2	CB203411395	R. Bhuvaneshwari			
3	CB203411396	B. Deepalakshmi			
4	CB203411398	R. Dhyanani			
5	CB203411399	A. Dhayishini			
6	CB203411400	S. Hemalatha			
7	CB203411401	V. Janani			
8	CB203411402	N. Jeenuitha			
9	CB203411403	R. Kalaiselvi			
10	CB203411404	D. Kanya Vizhi			
11	CB203411405	R. Kengadevi			
12	CB203411406	K. Kumutha			
13	CB203411407	R. Lakshmi			
14	CB203411408	G. Malathi			
15	CB203411411	R. Priyadhashini			
16	CB203411412	R. Ramya			
17	CB203411413	R. Rathiya			
18	CB203411414	T.M. Rithicka			
19	CB203411415	M. Rashini			
20	CB203411416	P. Saranya			
21	CB203411417	N. Sowmiya			
22	CB203411418	R. Srimathi			
23	CB203411419	B. Subashri			
24	CB203411422	A. Swetha			
25	CB203411423	V. Swetha			
26	CB203411424	R. Thangadeepika			
27	CB203411425	J. Vaishnavi			
28					
29					
30					

TEST PERFORMANCE							Assignments (5)	Seminar (5)	Attendance (5)	Internal Marks (25)
CIA - I	Retest	CIA - II	Retest	Model	CIA 1 (5)	CIA 2 (5)				
60		75		56						23
68		71		59						23
58		65		48						23
60		78		49						20
78		86		67						24
60		75		54						24
83		85		68						24
45		55		47						22
60		a	45	57						22
35		44		27						22
a		75		51						23
83		90		71						24
83		90		69						24
65		69		57						23
a	58	80		53						24
88		89		67						24
63		72		48						24
45		68		40						23
a	53	65		47						23
75		81		60						24
75		75		53						23
63		53		49						20
80		89		61						24
61		75		53						23
60		79		51						20
a		56		47						20
86		92		68						24

MAL

R. P. K.
25/3/23

R. P. K.
21/4/23

CONTINUOUS INTERNAL ASSESSMENT I RESULT ANALYSIS

1. Date of the test / examination : 30/01/2023
2. Total no. of Students : 27
3. No. of Students Appeared : 23
4. No. of Students Passed : 22
5. No. of Students failed : 1
6. Pass Percentage : 96%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	1	1	1	11	8
(After Retest)					
No. of Students					

[Signature]
Subject In Charge

[Signature]
HOB

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA I

Reason for Failure:

Students can't attend the questions

Corrective Action Proposed:

Unit wise two marks question were given

Recommendations & Remarks:

Test conducted for unit wise questions,
and explain

Coaching Details:

Two mark question. Unit 1 & 2 test
conducted.

100

M. V. S. S. S.
Subject In Charge

M. V. S. S. S.
Class In charge

~~2-1~~
100

REMEDIAL CLASS ATTENDANCE FOR CIA I

S.NO	Roll.No / Reg.Number	Name of the Student	DATE			
			3/2	6/2	7/2	8/2
1	CB2094111102	N. Jeevitha	X	X	X	X
2	CB2094111104	D. Kayalvizhi	X	X	X	X
3	CB2094111104	T. M. Rithicka	X	X	X	X
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
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16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
Faculty Signature			(4/2)	(4/2)	(4/2)	(4/2)

CONTINUOUS INTERNAL ASSESSMENT II RESULT ANALYSIS

1. Date of the test / examination : 03/03/2023
2. Total no. of Students : 27
3. No. of Students Appeared : 26
4. No. of Students Passed : 25
5. No. of Students failed : 1
6. Pass Percentage : 96%

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	-	1	3	6	16
(After Retest) No. of Students		1	3	6	16

M. V. *Vitha*
Subject In Charge

R. R. R.
HOD

CORRECTIVE AND PREVENTIVE ACTION RECORD FOR CIA II

Reason for Failure :

Students did not write the test.

Corrective Action Proposed :

Topics were explained in detail
Test was conducted.

Recommendations & Remarks :

Students studied in detail referring
many books.

Coaching Details :

=> Topics was explained individually.

=> Test was conducted in 2 Marks.

=> Seminars were conducted in detail.

ML
28/4

M. Vithu
Subject In Charge

M. Vithu
Class In charge

R. S. S.
HoD

MODEL EXAM RESULT ANALYSIS

1. Date of the test / examination : 29/03/2023
2. Name of the Examination : MODEL EXAMINATION
3. Total no. of Students : 27
4. No. of Students Appeared : 27
5. No. of Students Passed : 25
6. No. of Students failed : 2
7. Pass Percentage : 92.59

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	1	8	10	8	—
(After Retest) No. of Students					

M. V. S. S.
Subject In Charge

R. S. S.
22/4/23
HOD

**CORRECTIVE AND PREVENTIVE ACTION RECORD FOR
MODEL EXAM**

Reason for Failure :

Students can't attend the all questions.

Corrective Action Proposed :

Unit wise question were given

Recommendations & Remarks :

Test conducted for unit wise questions
and explain

Coaching Details :

- ⇒ Two mark question - Unit 1, 2, 3 & 4 test conducted.
- ⇒ University question explained.



M. Vaitha
Subject In Charge




M. Vaitha
Class In charge


HoD

REMEDIAL CLASS ATTENDANCE FOR MODEL

S.NO	Reg.No / Reg.Number	Name of the Student	DATE		
			3/4	5/4	6/4
1	CB203411396	B. Deepalakshmi	x	x	x
2	CB203411398	R. Dharmani	x	x	x
3	CB203411404	D. Kalyaniji	x	x	x
4	CB203411414	T.M. Rithicka	x	x	x
5	CB203411424	R. Thangadeepika	x	x	x
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Faculty Signature

UNIVERSITY EXAMINATION RESULT ANALYSIS

DATE OF THE EXAMINATION :

YEAR	No. of Students Appeared	No. of Students Passed	No. of Students Failed	% of Pass	% of Failure	Higher Mark	Faculty Handled	Department
Previous Year	17	17	-	100%	-	84	B. B. Bhat S. Ramya	Microbiology
Current Year	27	27	-	100%	-	85	M. Vinodha	Microbiology

RESULT ANALYSIS

Passing minimum :

Description	Below 40	III Class 40 - 49.9 %	II Class 50 - 59.9 %	I Class 60 - 74.9 %	Distinction Above 75 %
No. of Students	-	-	4	11	12
(After Arrear Exams) No. of Students					


Subject In Charge


Class In charge


HoD


Principal

**CORRECTIVE AND PREVENTIVE ACTION RECORD FOR
UNIVERSITY EXAM**

Reason for Failure :

Corrective Action Proposed :

Recommendations & Remarks :

Test conducted for 3 years questions
2 marks.

Explain the important questions.

Coaching Details :

University questions paper test
conducted 5 and 10 marks.


Subject In Charge


Class In charge


HoD

COACHING CLASS FOR ADVANCED LEARNERS

S.NO	Roll.No / Reg.Number	Name of the Student	DATE					
			3/1	5/1	6/1			
1	CB2034111A01	V. Janani	X	X	X			
2	CB2034111A06	K. Kumutha	X	X	X			
3	CB2034111A07	R. Lakshmi	X	X	X			
4	CB2034111A19	B. Subashri	X	X	X			
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
Faculty Signature			(1)	(2)	(3)			

2022-23

20.7.21

Venue : Main cabin

1. Students should not come here and there. For Long, Skills non-major etc.
2. Check timing of staffs for other department classes.
3. Recruit 2 (or) 3 staffs.
4. discuss with Tamil Hod regarding class during.
5. morning 10 to 3.45.
6. Every 6th hour activity hour.
7. I and II year batches for TNPSC classes.
8. Communication skill. collect willing list.
9. TNPSC, police, value Added courses.
10. CBT courses for TNPSC.
- 11.
- 12.

signature of the staffs:

1. Dr. M. Archana - M. Archana

2. Mrs. M. Mohanambal - M. Mohan

3. Mrs. V. Erija - V. Erija

4. Mrs. K. Vanitha - K. Vanitha

5. Mrs. Jeevitha - J. Jeevitha

~~signature of Hod~~

~~see~~
~~now~~

26.7.21

HOD minutes.

1. Tentative Time Table for first years
2. seminar classes.

3. CIA EXAMINATION - I
Sep Aug 13th to - August - ~~25th~~

4. CIA Examination - II
CIA II
October - 17 September - 20th
October - 21

5. CIA Examination (model) - III
October - 20th (15)
model November - 14 { may be advanced }
November - 22

6. Bridge Course.
Friday - Ist Tamil / Ind Eng / 2
FN FN

7. Friday Afternoon / department
Bridge course.

8. Monday → mental / Af C.S common
morning maths

Tuesday Depart / Department -
ment
check class notes and sign the
note.

- 9 updates all the dates in department.
- 10 Incharge selection. Signature.
- | | | | |
|--------------------------|------------------------|---------------------|-------------|
| 11. Association Incharge | } | V. Girija | - |
| 12. Department Activity | | K. Vanitha. | - |
| 13. Department Library | } | Jeevitha. | - |
| 14. Notice Board | | | |
| 15. Files | → | Mrs. M. Moharambal. | - |
| 16. Class incharge | I year | - | Jeevitha |
| | II nd year | - | V. Girija |
| | III rd year | - | K. Vanitha. |

Department system →
 Students Absentees note - M. Archana.
 Cleaning incharge → weekly incharge
 Log book → H. Archana

Signature of the Staffs

1. M. Archana - [Signature]
2. H. Mohambal - [Signature]
3. V. Girija - [Signature]
4. K. Vanitha - [Signature]
5. S. Jeevitha - [Signature]

Del

01.8.22

Hod meeting

Place: Library

- 1) Weekly activities - receive signature from HoD and principal.
 - 2) PPT for subjects
 3. online class 4-7:30
 4. Ramayanam book only 10 Rupees. sponsor competition →
 5. List of files maintained by the Hod and class incharges.
 6. s-NO file name no incharge
- F. file separation.

August - 15

1. English, Tamil speech -
2. drawing competition -
3. Rally 75th Independence day.
4. Circular ready.

- 1) Poster making - 13
 - 2) film show 2nd
 - 3) Drawing - 5th afternoon.
 - 4) tamil 4th, 5th
 - 5) Rangoli - 8th
 - 6) slogan comp - 12th Afternoon
 - 7) English speech and Essay.
- Last Leisure classes

1. Placement spoken →
2. TNpsc
3. AAn
4. Type writing
5. beautician

- ① Communication and interpersonal skills → Vanita
- ② Soft skill development - V. Girija
- 3. I Lang → Jeevitha
- 4. II Lang → Vanita
- 5. Prof Eng → Deepa mam

Signature of the staffs.

- 1. M. Mohambal - M. Mosu
- 2. V. Girija - V. Girija
- 3. N. Vanita - N. Vanita
- 4. S. Jeevitha - S. Jeevitha
- 5. J. Deepa - J. Deepa

08.08.22

HOD meeting. Library.

- ① Yet to form Students Team.
- ② To collect feedback from Students.
- ③ college timing

- 4.
- ① tailoring
 - ② Typewriting
 - ③ beautician
 - ④ Aarⁱ work
 - ⑤ bank coaching

5. 3.35 Long bell timing.
6. Fees concession. suggestions and feedback.
7. Good in Academics. , NSS, Green Campus.
8. Conclude suggestion solutions.
9. Mentor, mentee. parents meeting.
10. HOD Files.
11. Attendance read oval. regular attendance.
12. update Event register. give count.
13. List (Department work)
14. Thursday (4 to 5)
- 15.

Signature of the Staff members.

- | | |
|----------------|---------------|
| 1. M. Mohambal | - M. Mohambal |
| 2. V. Girija | - V. Girija |
| 3. K. Vanitha | - K. Vanitha |
| 4. S. Jeevitba | - S. Jeevitba |
| 5. S. Deepa | - S. Deepa |

August - 15. duties

1. Flag hoisting, oath taking Girija
Flag song, Vardhe matharam - Kowsalya.
2. Welcome Address
3. Vote of thanks S. Deepa (3)
4. Reception - M. Mohanambal
5. Mike arrangement - V. Girija.
Kalai
6. Diya and Seating Arrangements - Jewitha.
all staffs.
7. Announcer & Photography - S. Deepa
Jewitha
8. Discipline / Programme sheet - Archana
9. Sweet distribution - So. Archana & Mohanambal
10. Cultural events - Girija, Kalai
Jewitha, Vanita, Kowsalya
11. Memento, Aarathi, vip register, prayer song - Jewitha,
Jewitha
12. Guest hospitality - Kowsalya, Jewitha
Students, Staff
13. Memento Event register - Jewitha

19-7

Independence day celebrations

1. MC Tamil (or) Eng → Tamil
2. Reception Table →
3. Kolam arrangements →
4. for
5. Welcome address -
6. Vote of Thanks +
7. Dias scaling → place
8. chief guest moments →
9. Programme sheet +
10. Sweets receive →
11. Cultural Events - +
12. moments + ~~Prizes~~
13. prayer song - +
14. get to receive prizes list →
15. food
16. Stacks →
17. flag hoisting. (Dev) (Siv)
18. prizes distribution →
19. list collection.
20. backdrop
21. chair arrangements.
22. lunch
23. order
24. pendrive
25. system
26. mike arrangement
27. uniform. → uniform chudi
28. room allotments.
29. Timings. College.
30. Guest details
31. Programme Timings.
32. bus arrival time. 9.00

32. Floor.
34. ground ready.
35. 8.30 timing and bus timing
36. 9.00 flag hoisting.
37. 11.0 clock. - materials made up within timing.
38. 1 o'clock departure.
39. 8 ,
40. programme sheet.
41. bath taking.
42. receive
- 43.

Signature of the staff members.

1. M. Mohanbal - M. Mohan
2. V. Girija - V. Girija
3. K. Vanitha - K. Vanitha
4. S. Jeevitha - S. Jeevitha
5. S. Dupa - S. Dupa

Report submitted to TgAc.

18.8.22

Department Meeting

Place: Department

C.I. - J. g. ps Exchange

1. I Lang → S. Deepa
2. I Lang → S. Deepa
3. Poetry → V. Girija
4. OAP → K. Varitha
5. HFL → S. Jeevitha
6. Shakespeare → K. Varitha
7. PLC → M. Archana
8. ICL → S. Jeevitha
9. A-L → V. Girija
10. Translation → M. Mohambal
11. Soft Skills → M. Mohambal
12. Communication & Interpersonal → M. Archana

13. Following questions will be received within 20.8.22 through mail.

14. write - i) should complete within Aug - 26.8.22.

Signature of the staff members.

1. M. Mohambal - M. Mohambal
2. V. Girija - V. Girija
3. S. Jeevitha - S. Jeevitha
4. K. Varitha - K. Varitha
5. S. Deepa - S. Deepa

E - conference discussions :- Department

1. Book fair with department * (2+10+3) - 25
2. Guest lecturer (Max 2) - 2
3. Online International Journal - oct-8
4. (chapter book) - Chalappa publication (700)
5. Book chapter (ISBN)
6. ISBN:
ISBN: 650 + online - 750
7. proposal wrapper design.
8. invitation
9. within september 15 papers collection.
10. 650+ certificate.
11. 1000

Signature of the staff members.

1. M. Mohanambal
2. V. Giniya
3. K. Vanitha
4. S. Jeevitha
5. S. Anupa

4/5/22

1. Staff workload, Timetable reported.
2. Staffs extra work in department, MoU,
3. Observation based assessment.

9/5/22

1. Students don't roaming in Campus at class time.
2. Students uniform, ID - Fire amount, maintain in separate note.
3. In flyers / Brochure don't use principal madam number, only office number should give.
4. Naac preparation / classification meeting going to conduct.

16/5/22



1. CIA-1 check & submit to principal madam.
2. CIA-2 - should conduct in class room.
3. Model exam should commenced on 30.05.2022.
4. Department wise certificate course, Timetable should submit.
30 marks test. 15 (2 marks) - Theory,
Practical - 2 programs.
5. Visitors photo card. Don't leave the students in half day.

23/5/22

1. Department students count should give for Convocation.
2. Students +1 parent will be allowed.
3. If photo need - given amount, is must.
4. Long distance means students can stay in hostel.
payment (100).
5. Degree, Paper - staff take in charges.

6. Rank holders details should maintained.
7. There is lunch for staffs on the day of Convocation.
8. Disciplines for students should take care by staffs.

Staff members:

1. Mrs A. Vignashari - 
2. Mrs. S. Prabhadevi - 


Signature of the HOD


7/10/22

05/07/2022

HOD Meeting

- 1) College time will be changed as 10.00 am to 3.45 and also one hour add with day totally 6 hours
- 2) Mentor and mentee's Incharge is ms. Jayalakshmi mam.
- 3) Lesson plan will be Prepare for minimum 6 hours to maximum 10 hours.
- 4) Control of Examination incharge is E. niraimathi mam Exam related work done by COE office.
- 5) Verify all department question Paper.
- 5) Every semester should be conduct two seminar, one workshop, one conference and one external activity.
- 6) Bugy bee assoication should conduct weekly activities like Seminar.
- 7) Bridge course syllabus should Prepared by own department. Bridge course syllabus based on basic, tam, english, computer science basic and fix the goal.
- 8) Certificate course are conduct. They are Spoken class, beauty course, acvi work, Tally etc.

- Room 10/10/11
- 9) Each student should have separate note for each subject.
 - 10) student should write date, subject on the notes which will be checked by hod
 - 11) CIA - continuously internal assessment
 - 12) Head of the department should prepare ppt for student eir mark.
 - 13) HOD should maintain following details
consolidate mark, verify the rank cards, attendance details, maintain all registers and result analysis.
 - 14) unit test question paper should be set based on advanced learner and slow learners.
 - 15) Staff should be submit absences list to library anitha mam daily.
 - 16) staff should go to office only 2nd and 6th hours only
 - 17) Each department should conduct national day and international day celebration in minimum $\frac{1}{2}$ hour in that day.

- 18) Social media club plan should be submitted.
- 19) Drop out student file details should be maintain.
- 20) Pen, Ver marks should be enter in gallery note.
- 21) Each Department should conduct External activities for first year Student.
- 22) Scholarship, Sponsors Student details Submit to hop.
- 23) Staff should give Field Project work like given a small program or seminar to Student.
- 24) Staff should attend class to Pt mam, library while in leave.
- 25) To learn about culture of Karnataka Purjath, role university Each student should pay 2,500 for 5 days stay.
- 26) In next semester we have food day
- 27) Feed back should be collected after each unit.
- 29) IIT - Industry intisituation linkage Program.

- 29) Busy bee association events should be mention in event note.
- 30) Common torade fair.
- 31) event list should be display in class room.



signature of the
HOD

Staff members:-

- 1. ~~Skandha~~, MS. Kavi
- 2. ~~Vidya~~ MS. Abarna

20.07.2022

HOD's meeting

- 1) Student should not cross the Road.
- 2) Abaria mam will be going to commerce block. For 15 hours
- 3) Narmatha mam will come to computer science department for 3 hours.
- 4) 1 year Tamil, english are convert to major in library.
- 5) sixth hours should be four Beauty course, cariwark, TnpSC and computer course.

Staff members:-

- ~~Skantha~~ - ms.S. kavitha
- ~~Abbar~~ - ms.v. Abaria

HOD'S signature.

Meeting No: 80 / 2022 - 2023

Date: 02.12.2022

Discussion regarding:

1. Regarding regarding faculty tour and date confirmation
2. Certificate course - Yoga compulsory - III year students
3. Timing 11 to 12 allocated for yoga, 6th hour compensate it
4. Certificate Course amount 200 rupees compulsory for all students.
5. After yoga, dept. Certificate Course compulsory.
6. Every Thursday, Microbiology and maths department use AV class.
7. 5th hour - TNPSC coaching.

Appitude	- Maths
Reasoning	- Maths.
Science	- Chemistry,
Tamil	- Tamil
G.K, with history	- Commerce
Current Affairs	- B.B.A.
8. Aarî work and beautician - I, II, III B.Sc and I, II H.Sc

I	- TNPSC - Tamil	G.K & History
II	- TNPSC - Maths App	Reasoning
III	- TNPSC - Science	Current Affairs
IV	→ dept. Certificate course,	
V	→ Mentor - mentee	

Meeting No : 21 / 2022 - 2023

Date : 15/12/2022.

Discussion Regarding.

1. Explain students about the functions and start the class.
2. Staffs have to take class except the day before exam.
3. During exams - bus timing afternoon - 2.30.
4. TNPSC class starts from 19th
5. Yoga class 2500/- or (1500/- for hostel student)
6. Write the actual date in logbook when class is taken. Plan the date. Execution can be planned by staff. 7+2 days. (15)
7. Announce students about the Sports events & Staff incharge.

8. 6th Period.

10.00 - 10.10 Prayer.

10.10 - 10.20 Break.

10.20 - 10.55 Ist 01:55 - 02:40 V

10.55 - 11.50 II 02:40 - 02:50 Break

11.50 - 12.35 III 02:50 - 03.20 VI

12.35 - 01:10 Lunch

01:10 - 01:55 IV

9. Follow this timetable after exams.

10. Yoga namelist to chemistry - Poongodi mam.

11. HOD for GL event.

~~DO~~
15/12/22

Members Present
~~Dr. Smith~~

~~Dr. J~~

Dr. M. Vinodhan 16/12/22

~~Mae~~
16/12

~~R. Jhe~~
16/12/22

Date:
20/06/22

HOD MEETING

* Discussion about admission

* PPF should be done for upcoming semester.

* Students are advised to the university exam Preparation.

* They are followed rules and regulation.

* Discussed about file updation.

M. Jay
Signature of the HOD

Signature of the Staff Members:

1. M. Thaju Nisha - M. Thaju Nisha
2. M. Rekha - M. Rekha
3. U. Soorya dhami - U. Soorya dhami
4. B. Maniyamal - B. Maniyamal

Date
04/07/2022

HOD MEETING

- * Discussion about event Plan
- * Association work allotted to take care by M. Thaju Nisha, M. Rekha
- * Discussed about PPT class
- * Lesson Plan followed to all the Staff Members.
- * Assignment, Seminar and ABZ class date are submitted to the hod.
- * Staff Members should be followed attendance work.
- * Question Bank. PrePare for upcoming Semester.
- * PrePared notes to all subjects
- * Student all must takes notes while Staff teach.
- * Must Contains the unit test
- * We were Plan days Celebrations.

M. Jey
Signature of the HOD

Signature of the Staff Members:-

- 1) M. Thaja Nisha — M. Thajish
- 2) M. Rekha — Rekha of
- 3) U. Soorya daxmi — U.S. — hui
- 4) B. Meiyamal — B. Meiyamal

Date:
27/7/2022

HOD MEETING.

* Student should not Roaming for the language, skill, non-Major etc.,

* Check timing to Staffs for other department classes

* There will be college timing will change

* Every 6th hour activity hour.

* I and II year 4 batches for TNPSC classes.

* All Government Exams Coaching should be provided.

M. Jey
Signature of the HOD

Signature of the Staff Members:-

- 1) M. Thajunisha - M. Prabh.
- 2) M. Rekha - Deeba.
- 3) Soorya Ladmi - O. Sanyasi.
- 4) B. Mariyamal. - B. Manojkumar.

Date
01/08/2022

HOD Meeting.

* Weekly activities should be conducted every week and receive signature HOD and Principal.

* All staff are advised to put PPT for class work.

* List of files maintained by the HOD and class incharges.

* Students are participated in the activity

* All of the students must written the test after finishing one unit.

M. Javi
Signature of the HOD

Signature of the Staff Members:-

1. M. Thaju Nisha - M. Thaju Nisha
2. M. Rekha - Rekha
3. U. Soorya laxmi - U. Soorya laxmi
4. B. Mariyamal - B. Mariyamal

Date

12/08/2022

HOD MEETING

* Conducting Competition for the Students for Independence day, for department wise.

* Independence day Celebration works are allocated to the Staff members.

* Attendance maintaining, Result analysis and log book, Completion are asked to Staff members.

* Discussing about the leave Permission letter and students Profile.

* Students fees details and Scholarship details to informing the Students for Class advisors.

* Question Paper Submission and Preparing for upcoming CIA - exam.

* Staffs are asked to the Students for assignment Seminar, and mark details.

* To ready the Question bank for using Previous year University Questions.

* PPT, Hyperlink, E-Content to ready all the faculty members.

M. Javeed
Signature of the HOD

Date

HOD MEETING

19.09.2022

* All the Staffs were complete the log book and everyone of the want to submit on every Friday.

* Split and ask to all the students for assignment and seminar.

* To active the Activity based learning to all the students.

* To Consolidate the CIA-2 Marks, Submission date 20/9/2022

* All the Staffs were submit the Rank Card for all the Class inCharges to the HOD HOD Mam and Principal Mam for the Signature.

* Submit result analysis to all the Class for Subject wise.

~~M. Rajani~~
Signature of the HOD

Signature of the Staff members:-

- 1) M. Thaju nisha - M. Thaju
- 2) M. Rekha - Rekha M
- 3) U. Soorya dazmi - U. Soorya dazmi
- 4) B. Mariyamal - B. Mariyamal

DATE

HOD MEETING

28/11/2022

* Discussed about Sport day on Jan 26, 2023.

* logbook: result analysis for CBA and Model examination enter the MARKS for 100 MARKS.

* University result analysis also 100 MARKS

* Seminal and Assignment MARKS were enter for logbook.

* Group activity is considered as Seminal MARKS

* Discuss about Students industrial visit on February 3, 4 (or) February 10 and 11.

Signature of the HOD:

Signature of the Staff Members:

- | | | |
|--------------------|---|-----------------------------|
| 1) M. Thaju Nisha | - | M. Thaju Nisha
29/11/22 |
| 2) M. Rekha | - | M. Rekha
29/11/22 |
| 3) U. Soorya laxmi | - | U. Soorya laxmi
29/11/22 |
| 4) B. Mariyamal | - | B. Mariyamal
29/11/22 |
| 5) S. Mahalaxmi | - | S. Mahalaxmi
29/11/22 |

HOD MEETING

DATE

2.12.2022

- * To Finalize the work load by HOD's
- * Discuss about Internship for the Student
- * Discuss about Conference, Seminar, workshop and national, International day celebration.
- * To Plan for Industrial visit.
- * Finalize CPA examination date and pattern.
- * To Plan the lesson Plan and assignment and seminar.

Signature of the HOD:

Signature of the Staff Members:

- | | | | |
|----|---------------------|---|------------|
| 1. | Ms. M. Thaju Nisha | - | M. Pradip |
| 2. | Ms. M. Rekha | - | Devi |
| 3. | Ms. U. Soorya laxmi | - | U.S. Laxmi |
| 4. | Ms. B. Mahiyamal | - | B. Manjari |
| 5. | Ms. S. Mahalaxmi | - | S. Anany |

DATE

HOD MEETING

15.12.2022

* To Discuss about Placement training for final Year Students

* Discuss about Certificate course for all Student

* Discuss about Sixth hour execution

* Discuss about Mentor - Mentee for Student

* To Finalize the data for Sports and Annual day

* Discuss about activity based learning

* Discuss about Question Paper format for first Year Student.

Signature of the HOD

Signature of the Staff members.

1.	MS. M. Thajunisha	-	M. Thajunisha
2.	MS. M. Rekha	-	Rekha M. Thajunisha
3.	MS. U. Soorya laxmi	-	U. Soorya laxmi
4.	MS. S. Mahalaxmi	-	S. Mahalaxmi
5.	MS. B. Maliyamal	-	B. Maliyamal

DATE
12.01.23.

HOD MEETING

To Discuss about admission

To Discussed about Students fees Pending and bus fees details

Discussed about admission for this year and fees Concession were discussed.

The Students must come to the College Compulsary. 58 days.

Discussed about leave regarding for Staff

Discussed about university valuation for Staff.

Conducting about Kendra examination for Students.

Signature of the HOD

Signature of the Staff Members:-

- | | | | |
|----|-----------------------|---|-------------------------|
| 1. | MS. M. Thajunisha | - | M. [Signature] |
| 2. | MS. M. Reelcha | - | [Signature] |
| 3. | MS. U. Soorya Lakshmi | - | U. S. [Signature] |
| 4. | MS. S. Mahalakshmi | - | S. Mary [Signature] |
| 5. | MS. B. Manjumat | - | B. Manjumat [Signature] |

Meeting No: 01/22-23

Date: 23/7/22

Discussion Regarding.

1. Prepare workload for the Inter-departmental papers after the break hours (or) lunch hours.
2. Communication Skill - Common for all the students.
3. Willing list for beautician course and Aari work, TNPSC

R. Jithu

Members presents

- | | | |
|--------------------|---------------------|-------|
| 1. D. Sowmya | Assistant Professor | Jithu |
| 2. Dr. G. S. S. S. | Assistant Professor | S. S. |

Meeting No : 08/09-23

Date : 06/7/23

Discussion Regarding.

1. Arrangements for I year students (to welcome) Programme

- 1) Welcome
- 2) Ambba blessings
- 3) Principal Address
- 4) Then I year students are asked to go to Smart class.

Wed - $\left\{ \begin{array}{l} \rightarrow \text{Phy, che, Micro - FN} \\ \rightarrow \text{Eng, Maths, CS - AN} \end{array} \right.$

Thurs - B.Com (CA) & BBA - AN
- Tamil & B.Com - FN

→ Programme

1. Motivational speech
2. Subject related
3. Mental Maths
4. Basics of Computer.

2. CIA - I - Commencement on Sep-7 to Sep-18 [unit I & II]

CIA - II - Commencement on Oct 17 to Oct 21 [unit III & IV]

Model Exam - Nov-14 to 22 (Full Syllabus)

R. ~~the~~

Members present

1. D. Sowmya Assistant Professor
2. Dr. A. Sumathi Assistant Professor

D. S. S.
S. S.

Meeting No: 03 / 22-23

Date: 01/8/22

Discussion Regarding

1. Weekly activities - receive signature from the Principal at the end of Week.
2. PPT - Plan and prepare for it.
3. Online class - if necessary 7.00 to 8.00 P.m
4. Ramayanam book ₹10. receive from the Students.
5. Prepare list of files to be maintained by the HOD & Class-in-charge.

- S.No File name No. Incharge updated
6. Aug 15th - Conduct Various competition by the each department as per University norms. It may be treated as extension activity. Plan for Rally competition:

Drawing, Rangoli, Speech, Essay-Writing, Debate, Photo display, film show, honouring the person - social service / Army / Covid helpers. Poster making - topic - Economic development for commerce, Research development for science department.

Dates for competition:

Aug - 13 - photo display & poster making slogan competition - best will be awarded on the spot competition

competition will be started on Wednesday onwards
Debate - 10/8/22.

Essay, speech & slogan - 11/8/22 & 12/8/22

Poster making & photo display - 13/8/22 FN

Drawing - 5/8/22 Film show - 2/8/22

Rangoli - 8/8/22 - AN Speech - Tamil - 4/8/22 & 5/8/22.

Prizes will be distributed on 15/8/22.

7. Spoken English
8. Take writing test for TNPSC, Bank coaching, spoken, type-writing, placement
9. Tally workshop - Registration fee will be decided later.
10. Staff Assessment.
11. Complete - file updation work.

D. Siva

Members present

- | | | |
|-------------------|---------------------|--------|
| 1. D. Sowmya | Assistant Professor | DSys |
| 2. Dr. G. Senthil | Assistant Professor | Sentho |

Meeting No: 01 / 22-23

Date: 09/08/22

Discussion regarding

1. Preliminary arrangement for Independence day.
2. Receive feedback from the students (to be collected by the principal directly from the students)
3. Poster making and photo display - 12/8/22.
4. Certificate course - changes to be done in college timings.
→ Tailoring, Beautician, Typing, TNPSC, Bank coaching (VI hour)
5. Admission - How to improve
6. Canteen - will be started after the building work completed.
7. Conduct - exhibition and trade fair
8. Give monthly activities - to develop speakers.
9. File update.
10. Maintain attendance regularly and note down the absentees in the absentees note.
11. Event register - update (in the office).
12. Conduct weekly activities
13. Prepare E-Content
14. Staff Assessment
15. Select office bearers and staff Secretary for department activities.
16. Every Monday all HOD are asked to stay back and every Tuesday all the faculties are asked to stay back upto 5 o'clock in the college campus. On Tuesday no need to come to the library. Stay back in the department and do their duty if any
17. Result Analysis

18. Need 150 students on 12.8.22 for Independence day rally.

R. ~~the~~

Members present

1. D. Sowmya Assistant Professor Dis. S
2. Dr. G. Sumathi Assistant Professor Dis. S