



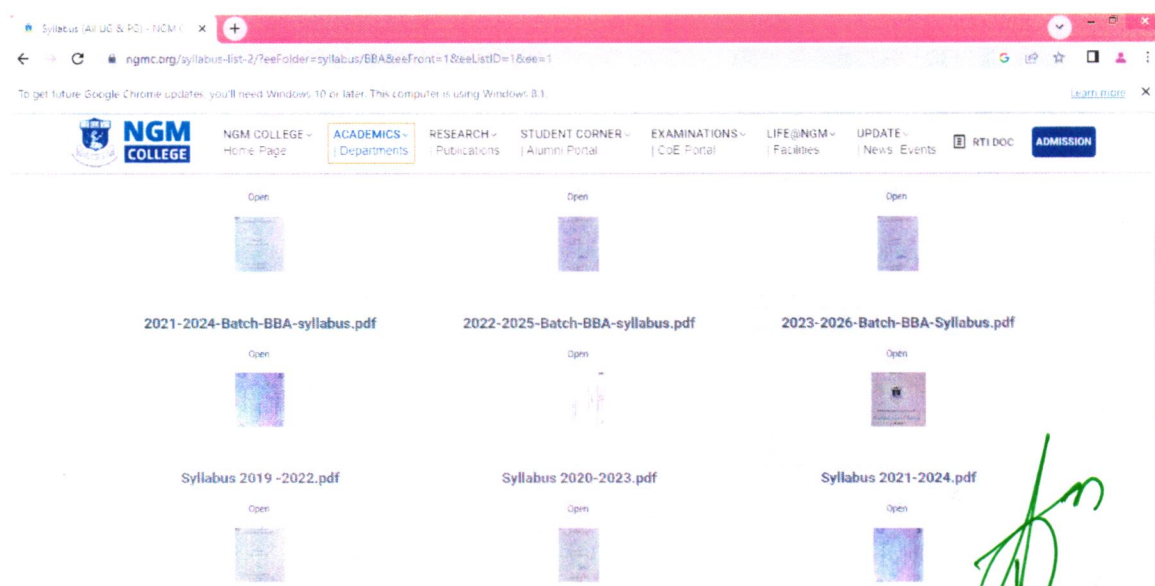
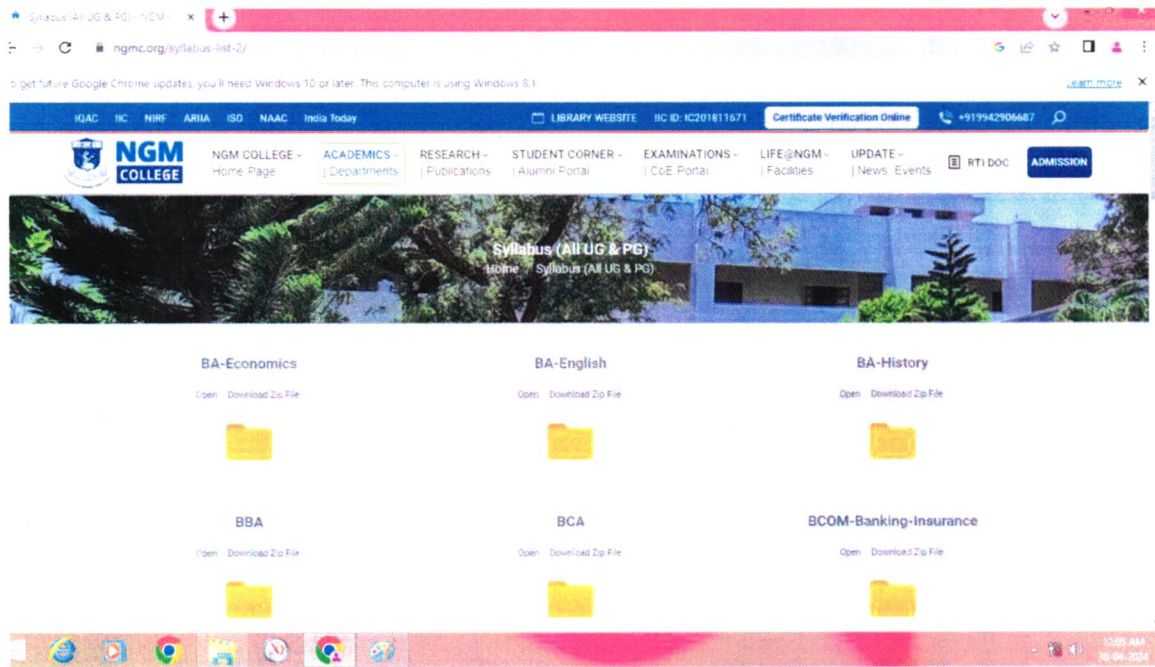
# Nallamuthu Gounder Mahalingam College

(An Autonomous Institution, Affiliated to Bharathiar University)  
 90, Palghat Road, Pollachi - 642001, Coimbatore, Tamil Nadu, India.  
 95<sup>th</sup> Rank in NIRF – 2023 - Among Colleges in India.



## 2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website

### Sample Webpages



Criteria:2-Teching, Learning and Evaluation



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## UG Programmes

Syllabus (All UG & PG) - NGM C

ngmc.org/syllabus-list-2/

NGM COLLEGE - Home Page | ACADEMICS - Departments | RESEARCH - Publications | STUDENT CORNER - Alumni Portal | EXAMINATIONS - CoE Portal | LIFE@NGM - Facilities | UPDATE - News Events | RTI DOC | **ADMISSION**

B.Sc.-Botany Open   Download Zip File	B.Sc.-Chemistry Open   Download Zip File	B.Sc.-CS-with-AI-ML Open   Download Zip File
B.Sc.-CS-with-DA Open   Download Zip File	B.Sc.-CS Open   Download Zip File	B.Sc.-CT Open   Download Zip File
B.Sc.-IT Open   Download Zip File	B.Sc.-Maths Open   Download Zip File	B.Sc.-Physics Open   Download Zip File

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Syllabus (All UG & PG) - NGM C

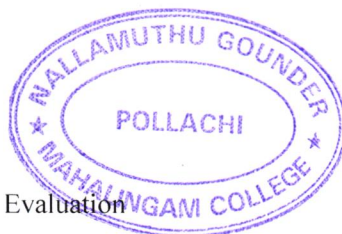
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MCOM Open   Download Zip File	MSW Open   Download Zip File	M_Sc_Maths Open   Download Zip File

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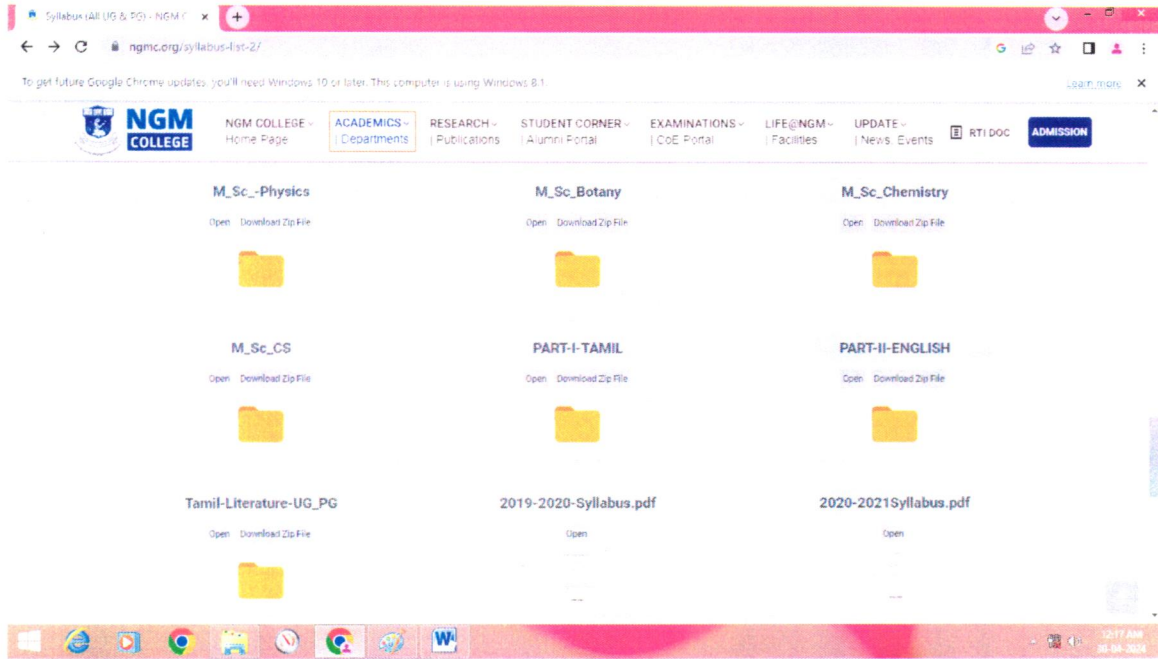


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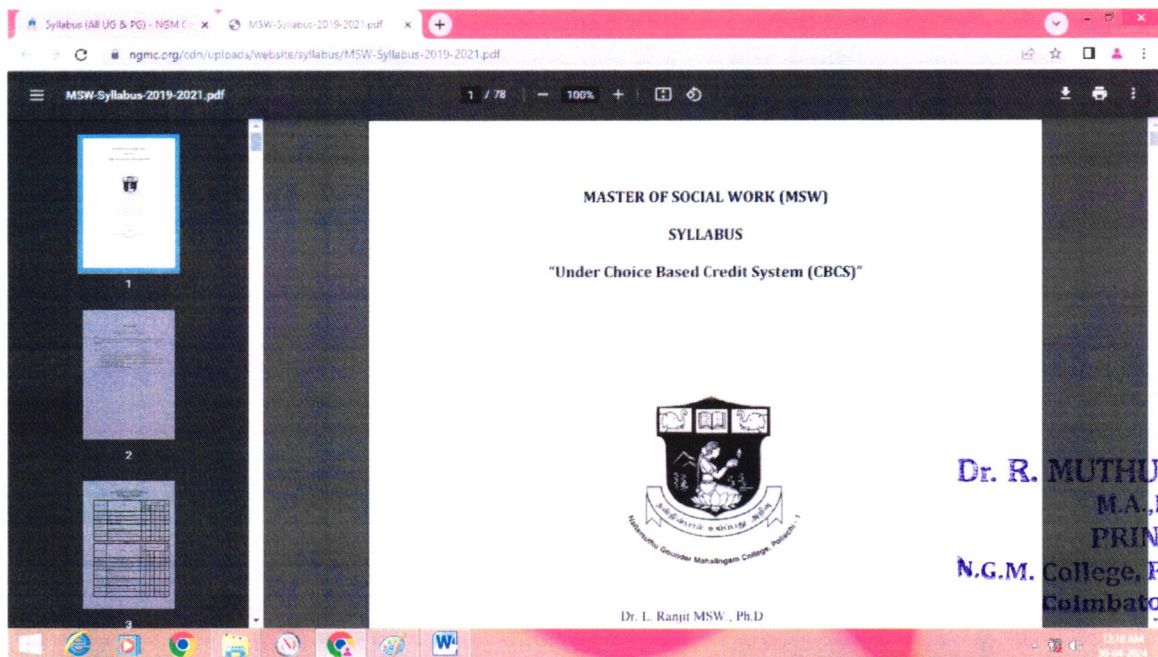
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## PG Programmes



## Programme : Master of Social Work (Sample)



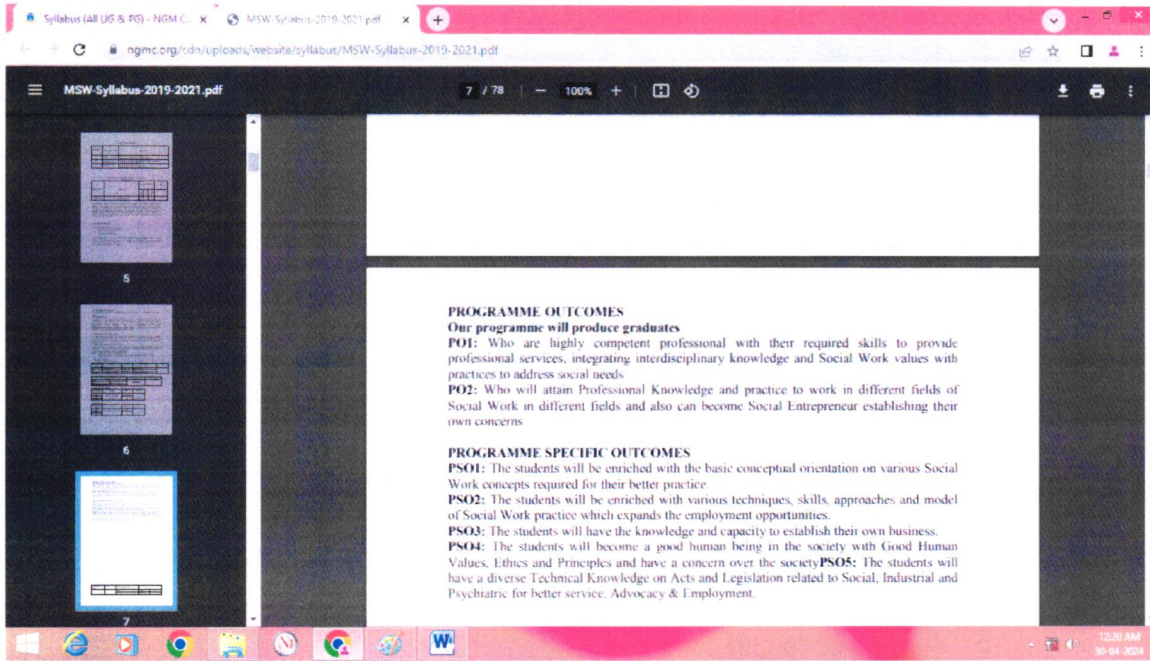


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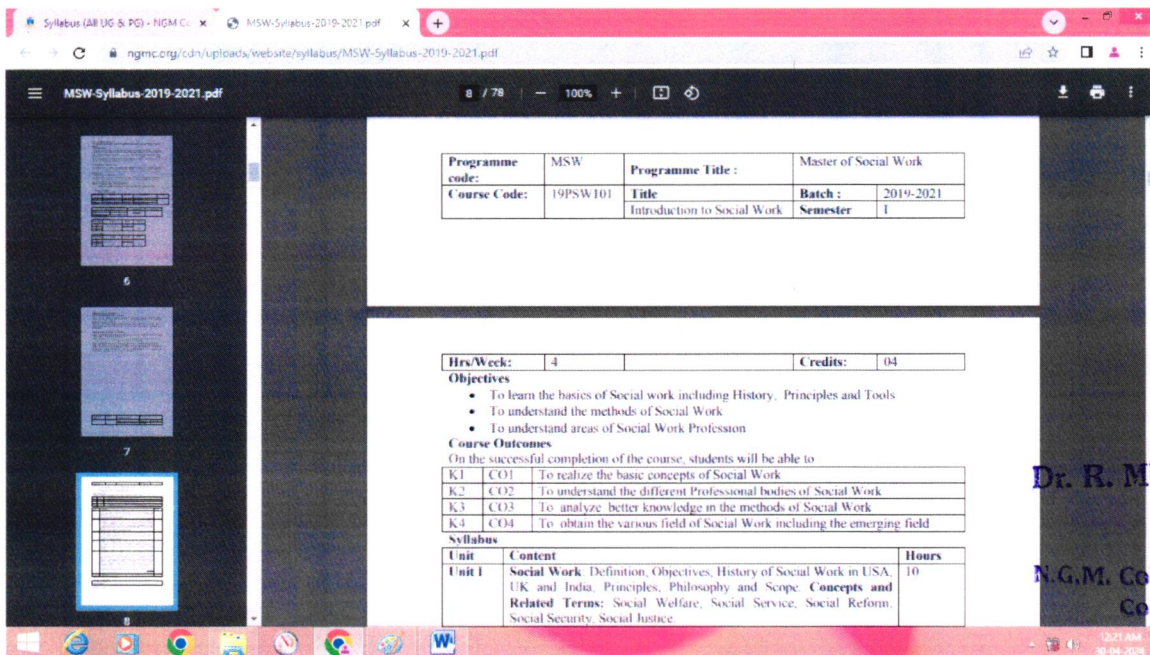
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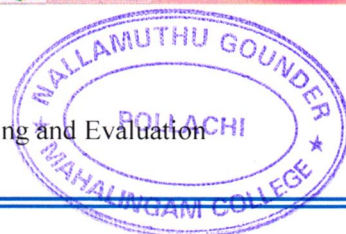
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Course : Introduction to Social Work (Sample)



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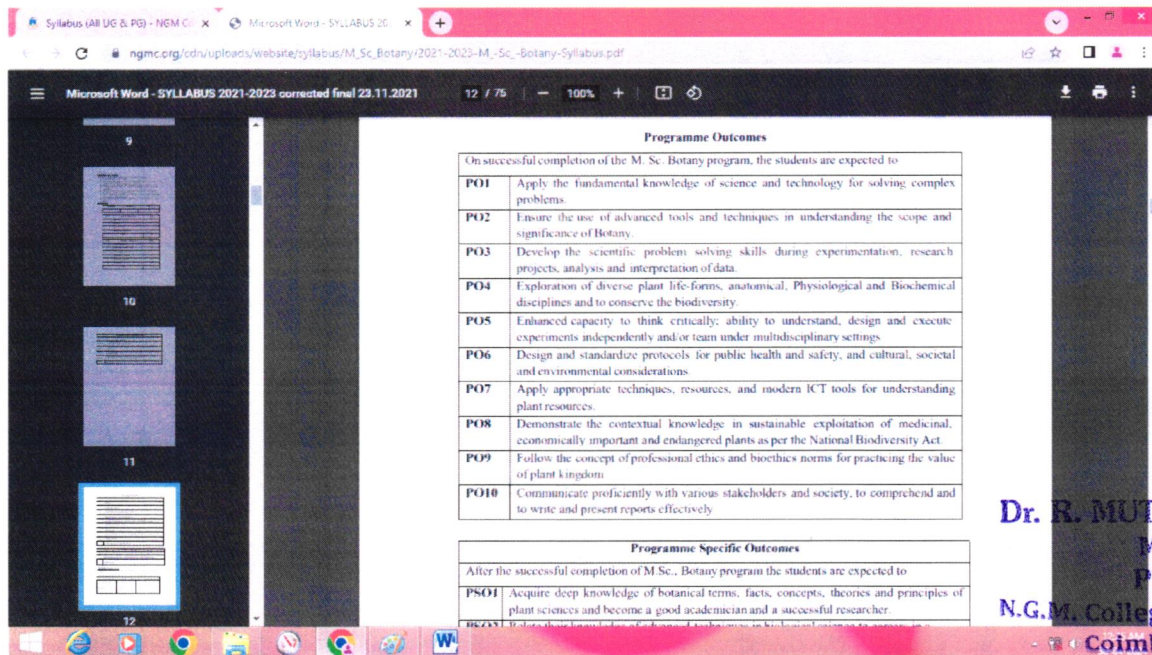
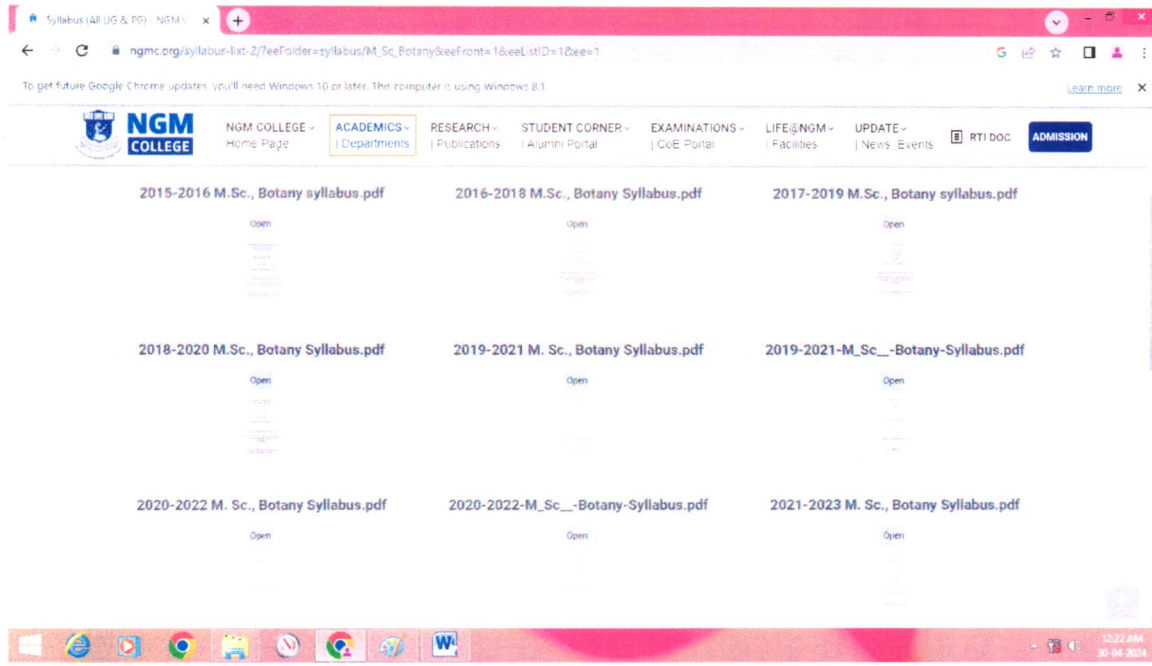
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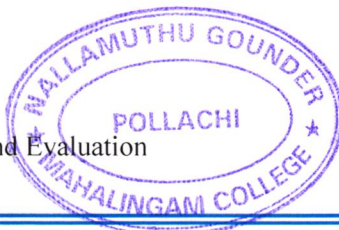
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Programme : M.Sc Botany (Sample)



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## Course : Plant Diversity (Sample)

Programme code	M.Sc.	Programme Title : Master of Science in Botany		
Course Code: 21PBY101		Title: Core - 1 Plant Diversity I (Phycology, Mycology, Lichenology and Bryology)	Batch	2021 -2023
Hrs/Week:	6		Semester	I
			Credits	4

**Course Objective**  
 The main objectives of this course are to:

- Study the classification, characteristic features, distribution, and reproduction cycle of algae, fungi, lichens and bryophytes.
- Know the ecological and economic importance of algae, fungi, lichens and bryophytes
- Understand the concept of lichens and bryophytes as indicator for air pollution

**Course Outcomes (CO)**  
 On the successful completion of the course, student will be able to:

CO	Knowledge	Skills
CO1	Remembering the values of lower plant forms and its diversity	K1
CO2	Will get an idea on evolution of lower plants and its architectural specialization in cells	K2
CO3	Apply economic values of lower plants to manufacture value added products	K3
CO4	Review the developmental stages of lower group of plant diversity	K4
CO5	Understand and learn the classification and economic importance of lower plants	K2&K4

**Unit Content**

Unit	Content	Hrs
Unit 1	Phycology: Phycology – introduction – history – definition- classification of algae (Fritsch, 1945) – Phylogeny and interrelationship – thallus organization (range of thallus), evolution of thallus in green algae- reproduction (vegetative, asexual, sexual) - modes of perennation- Ultra structure of cell, flagella, chloroplast, myxocysts and eye Spot in major groups of algae- algae in diverse	14

## POs and COs on Website

**Programme Outcomes (POs), Course Outcomes (COs)**

S.No	Name of the Programme	Link to Supporting Documents				
		2022 – 2023	2021 – 2022	2020 – 2021	2019 – 2020	2018- 2019
1	BA (HISTORY)	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>
2	BA (ENGLISH)	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>
3	BA (ECONOMICS)	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>
4	B SC (MATHS)	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>
5	BSC (PHYSICS)	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>
6	BSC (CHEMISTRY)	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>	<a href="#">View File</a>

**Updates**

- Academy for Professional Development Profile April 25, 2024
- Admissions 2024-25 April 1, 2024
- NGM – Sports Quota Admissions 2024 – March 23, 2024
- One Day Skill Enhancement Program on scientific writing skills & Education abroad March 11, 2024

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Programme : M.Sc Mathematics (Sample)

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DEPARTMENT OF MATHEMATICS  
Programme: M. Sc. Mathematics

**VISION**  
To be among the top ten centers of excellence in Mathematics at the national level through quality Mathematics education and research.

**MISSION**  
Department of Mathematics, through our enlightened management and committed faculty envisages to

- Provide world-class education to the students of Mathematics
- Give them a learning-centered environment
- Ensure knowledge transfer
- Instill research aptitude
- Infuse ethical and cultural values
- Transform our students into disciplined citizens in order to improve their quality of life.

Programme Educational Objectives (PEOs)

PEO1	The programme is designed to equip students with knowledge, skills and insight in Mathematics and related fields at an advanced level.
	The programme will enhance the independent learning ability and problem solving

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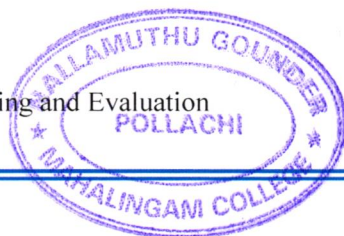
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On successful completion of M. Sc. Mathematics programme, students will be able to

PO1	<b>Self-directed learning:</b> revisit and strengthen fundamental concepts and principles of various areas of Mathematics. (K <sub>2</sub> )
PO2	<b>Disciplinary Knowledge:</b> gain necessary knowledge in the fundamental areas of mathematics such as Algebra, Analysis, Differential equations, Topology, Graph theory and Fluid Dynamics. (K <sub>2</sub> )
PO3	<b>Analytical Reasoning:</b> create interest through effective teaching learning process in systematic understanding of the concepts and theories of Mathematics (K <sub>2</sub> )
PO4	<b>Research Related Skills:</b> trigger their understanding capacities and develop the required skills for writing research articles and projects (using LaTeX software) (K <sub>4</sub> )
PO5	<b>Multi-cultural competence:</b> select, interpret and perceive the signification of information from sources that include books, journals, scientific report and the internet. (K <sub>1</sub> )
PO6	<b>Scientific Reasoning:</b> groom the students with necessary skill to apply mathematical concepts, analyze complex problems and draw reasonable conclusions. (K <sub>4</sub> )
PO7	<b>Problem Solving:</b> identify unsolved problems, create new problems and articulate ideas and strategies to address the relevant research problem. (K <sub>2</sub> )

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Criteria:2-Teching, Learning and Evaluation



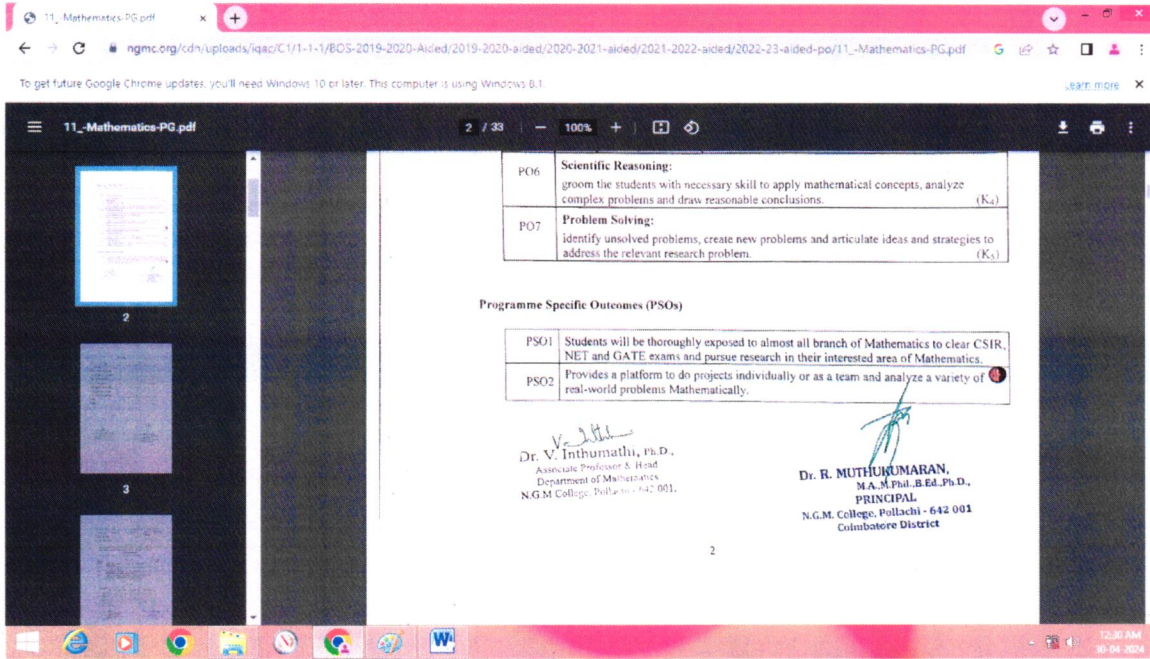


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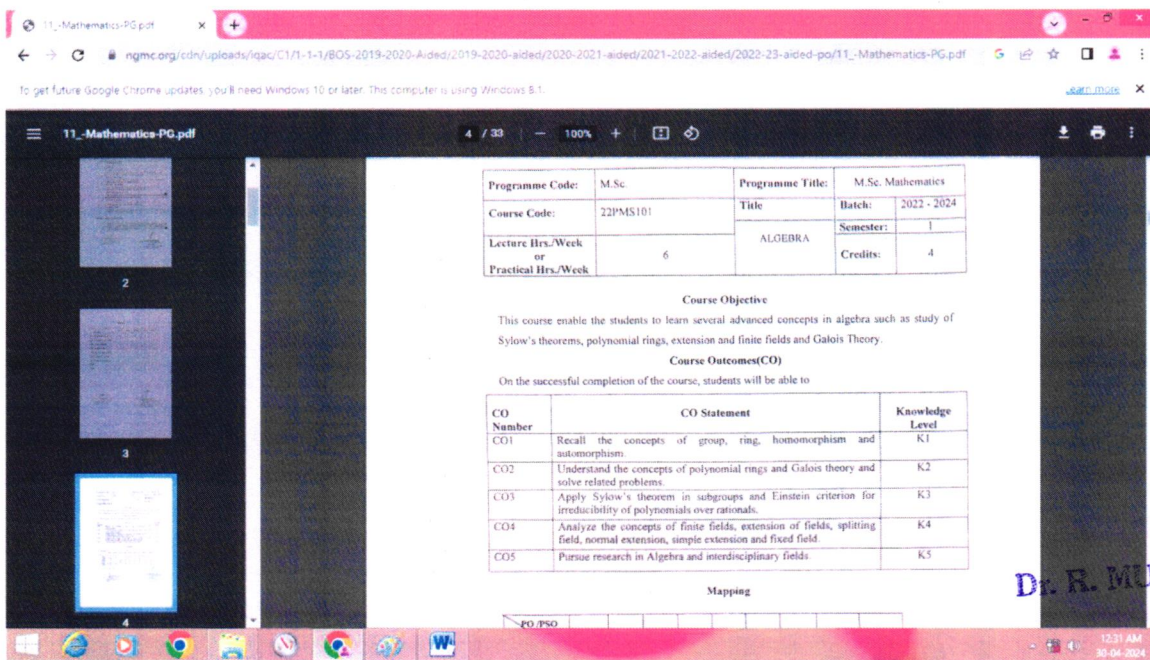
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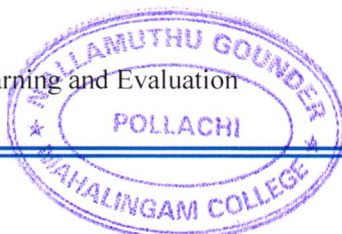
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Course : Algebra (Sample)



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**Course Outcomes(CO)**  
On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recall the concepts of group, ring, homomorphism and automorphism.	K1
CO2	Understand the concepts of polynomial rings and Galois theory and solve related problems.	K2
CO3	Apply Sylow's theorem in subgroups and Eisenstein criterion for irreducibility of polynomials over rationals.	K3
CO4	Analyze the concepts of finite fields, extension of fields, splitting field, normal extension, simple extension and fixed field.	K4
CO5	Pursue research in Algebra and interdisciplinary fields.	K5

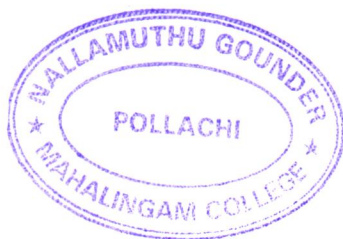
**Mapping**

PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
CO1	H	H	H	H	H	H	M	H	H
CO2	H	H	H	H	H	H	M	H	H
CO3	H	H	H	H	H	H	M	H	H
CO4	H	H	H	H	H	H	M	H	H
CO5	H	H	H	H	H	H	H	H	H

H - HIGH, M - MEDIUM, L - LOW

Dr. R. MUTHUKUMARAN,  
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Principal

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*(Signature)*  
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