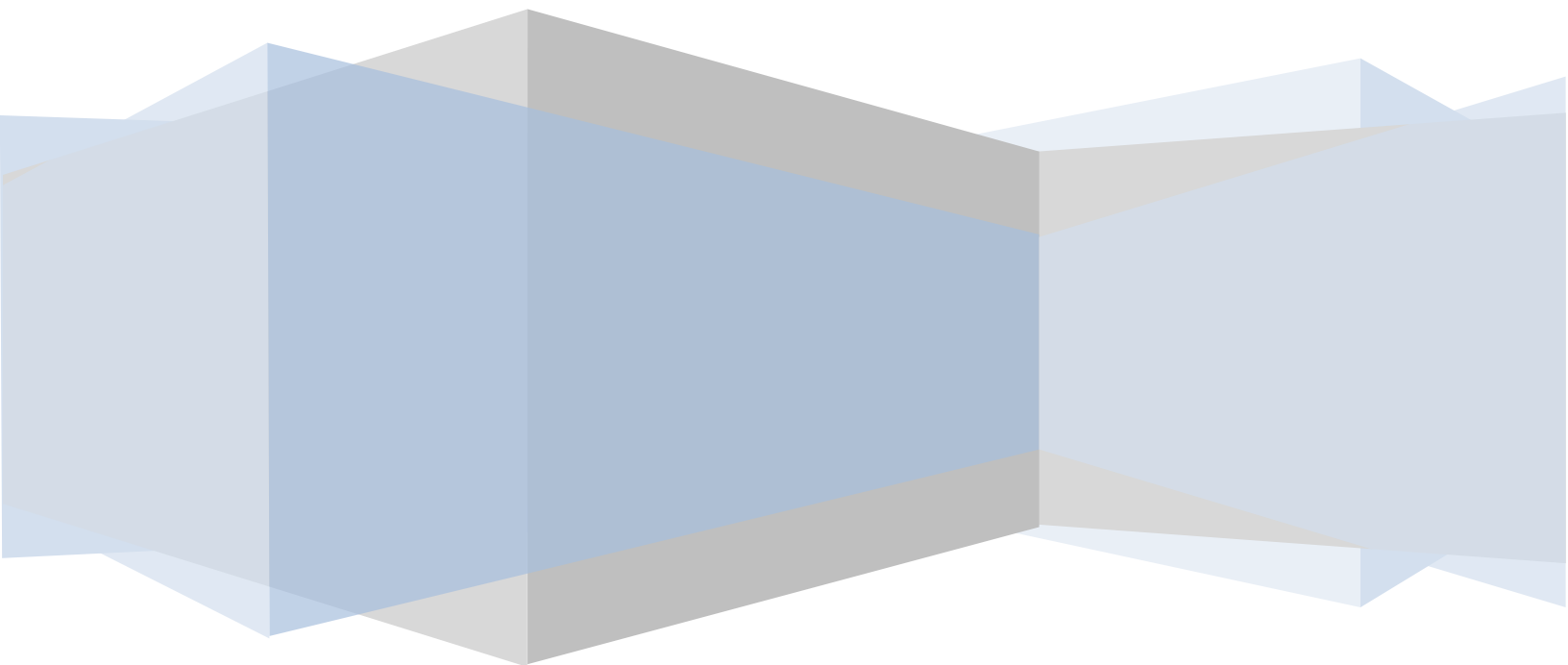# DEPARTMENT OF MATHEMATICS

(Established in the Year – 1993)

The Department of Mathematics, of this college established in the year 1993, offers undergraduate leading to the B.Sc. degree, awarded by the RTM Nagpur University. In addition, experienced faculty of the Department is devoted to research in their respective areas of specialization. Research and teaching are given equal importance by the faculty. Extra care is taken to pay individual attention to the students in the theory as well as in the tutorial sessions. Project work and problem sessions are encouraged to develop innovative and analytical approach to mathematics learning. Topical seminars by students are arranged to create study awareness amongst students. Some expert guest teachers are also invited for teaching, examination, and curricular development.

The members of the faculty appear to work as a team, thereby providing a healthy academic atmosphere and they attain National, International Conferences & seminars and present their research papers.

1. Teaching Staff Information

1. Dr. A. K. Tikhe(Head of the Department)

Designation:	**(1)** *Assistant Professor (Since 25/08/1993)*
	(2) Principal (since 16/06/2007)
Qualification:	*M. Sc. (Mathematics) Ph. D*
Specialization:	Topology

Research Work:

Date of Ph. D degree awarded: 03/06/2006

Research area: Thermoelasticity

Ph. D. Topic: "" A study of some mathematical

Aspects of certain direct and inverse problems of thermoelasticity "
"

Area of Interest (Research): Direct and Inverse Problems in thermo elasticity

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Publications

Papers in International Journal:02   National Journal: 01

Papers presented in Conferences: 06

2. Dr. S. S. Charjan

   i) Designation: *Assistant Professor (Since 19/02/1997)*

   ii) Qualification: *M. Sc. (Mathematics) M. Phil. Ph. D*

   iii) Specialization: Theory of Relativity

Research Work:

Date of Ph. D degree awarded: 29/04/2010

Research area: Theory Of Relativity

Ph. D. Topic: "The study of some cosmological models in Bimetric Theory Of Relativity"

Area of Interest (Research): gravitational field in bimetric theory of Relativity

   Publications

Papers in International Journal: 09   National Journal:02

Papers in Conferences: 07

Books Published: Nil

Ph. D Students: *01*

Research Project/s: *MRP funded by UGC during 2010-2012of 1,10, 000 /-(Completed)*

Teaching of Subject papers and Practicals

Course	Paper - I	Paper - II
B. Sc. SEM I	Algebra and Trigonometry	Calculus
B. Sc. SEM II	Geometry, Differential and Difference Equations	Vector Calculus and Improper Integrals
B. Sc. SEM III	Advanced Calculus , Sequence and Series	Differential Equations & Group Homomorphism
B. Sc. SEM IV	Partial Differential Equations & Calculus of Variation	Mechanics

| B. Sc. SEM V | Analysis | Metric Space, Complex integration & Algebra |
| B. Sc. SEM VI | Abstract Algebra | Special Theory of Relativity |

Strength of Students

S. No.	Class	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	B. Sc. I	79	77	67	69	46	59
2	B. Sc. II	80	61	42	60	71	43
3	B. Sc. III	52	54	40	97	63	64

RESEARCH Work

The Department is not a recognized center for research, we prefer research centers such as Department of Mathematics of RTM Nagpur University, Nagpur, Department of Mathematics, Institute of Science, Nagpur on 20/08/2015.

Following Research Scholar is awarded Ph. D. in Mathematics.

Name of the Student	Topic of Research	Date of Registration	Name of Guide
Mr. V.V. Lepse	Bianchi Type Dark Energy cosmological Models In Bimetric Theory of gravitation	Ph.D.(Cell)/RRC/ 18/07/2011	Dr. S. S. Charjan

UGC Grants to the Department:

Minor Research Projects: Total Grant =1,10,000/-

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