

# **Govt. Madan Lal Shukla College, Seepat (C.G.)**



**DEPARTMENT OF MATHEMATICS**

**Welcome**

**To**  
**Honorable**

**NAAC Peer Team Members**

**April 06-07, 2022**

# DEPARTMENT : AT A GLANCE

- ▶ The college was established in 12 Aug. 1986.
- ▶ The Department of Mathematics was started in 2012.

# Existing Setup of Department

Post	Sanctioned	Filled
Professor	00	00
Associated Professor	00	00
Assistant Professor	01	01

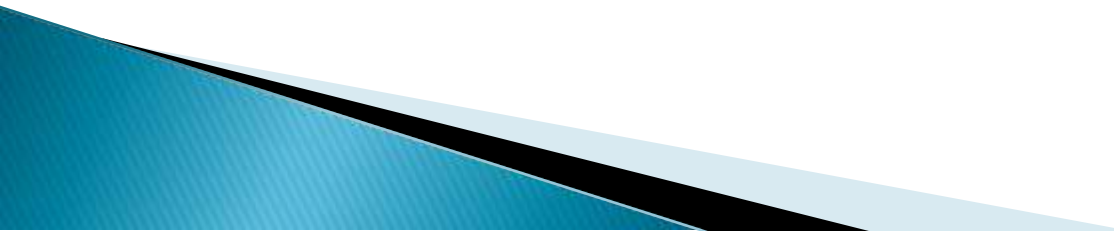
# Mission

Provides effective strategies for improving mathematical literacy for all.

# Vision

We are committed to improving mathematics teaching and learning for all.

# Curriculum Development

- ❖ Curriculum approved by central board of studies and affiliating university is adopted by the college.
  - ❖ Annual Academic Calendar provided by Department of Higher education Chhattisgarh.
  - ❖ The college also prepares its own time table
  - ❖ Co-curricular and extra-curricular activities is displayed on notice board
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# **Delivery of Curriculum: Use of ICT**

## **➤ Class Room Teaching**

- Prepared lecture**
- Chalk & Black Board**
- Interaction / Discussion**
- Smart board**

## **➤ Library**

- Text Books & Reference Books**
- Learning Website & e- books through N –List.**

# Teaching Methods

## Class room teaching





# Teaching Methods

## ICT teaching



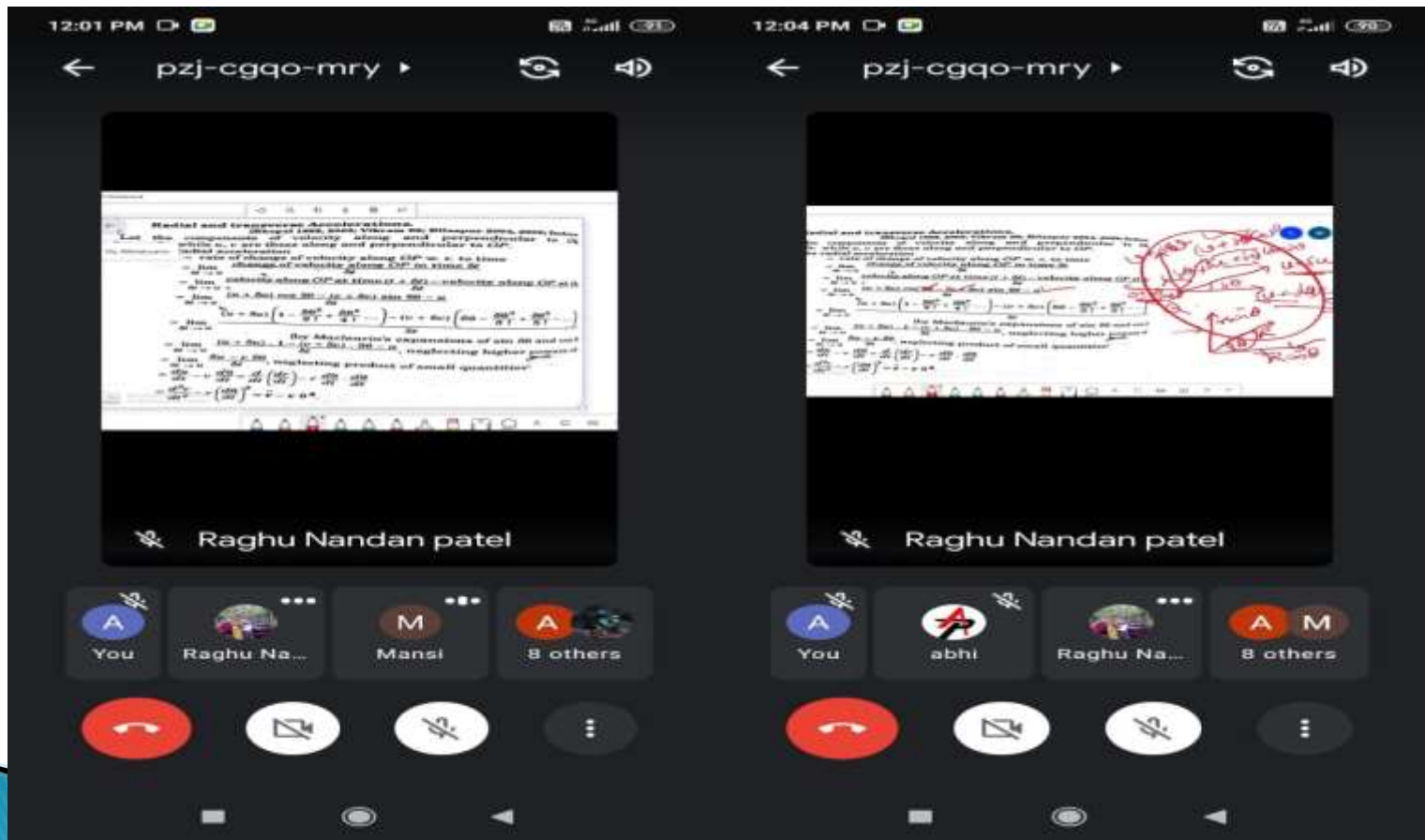
# Teaching Methods

## Assignment and Test



# Teaching Methods

Covid 19 Online Classes conducted by google meet



# Department of Mathematics

No. Student Admitted in 2021-22

**B Sc Part I – 60**

**B Sc Part II – 27**

**B Sc Part III – 43**



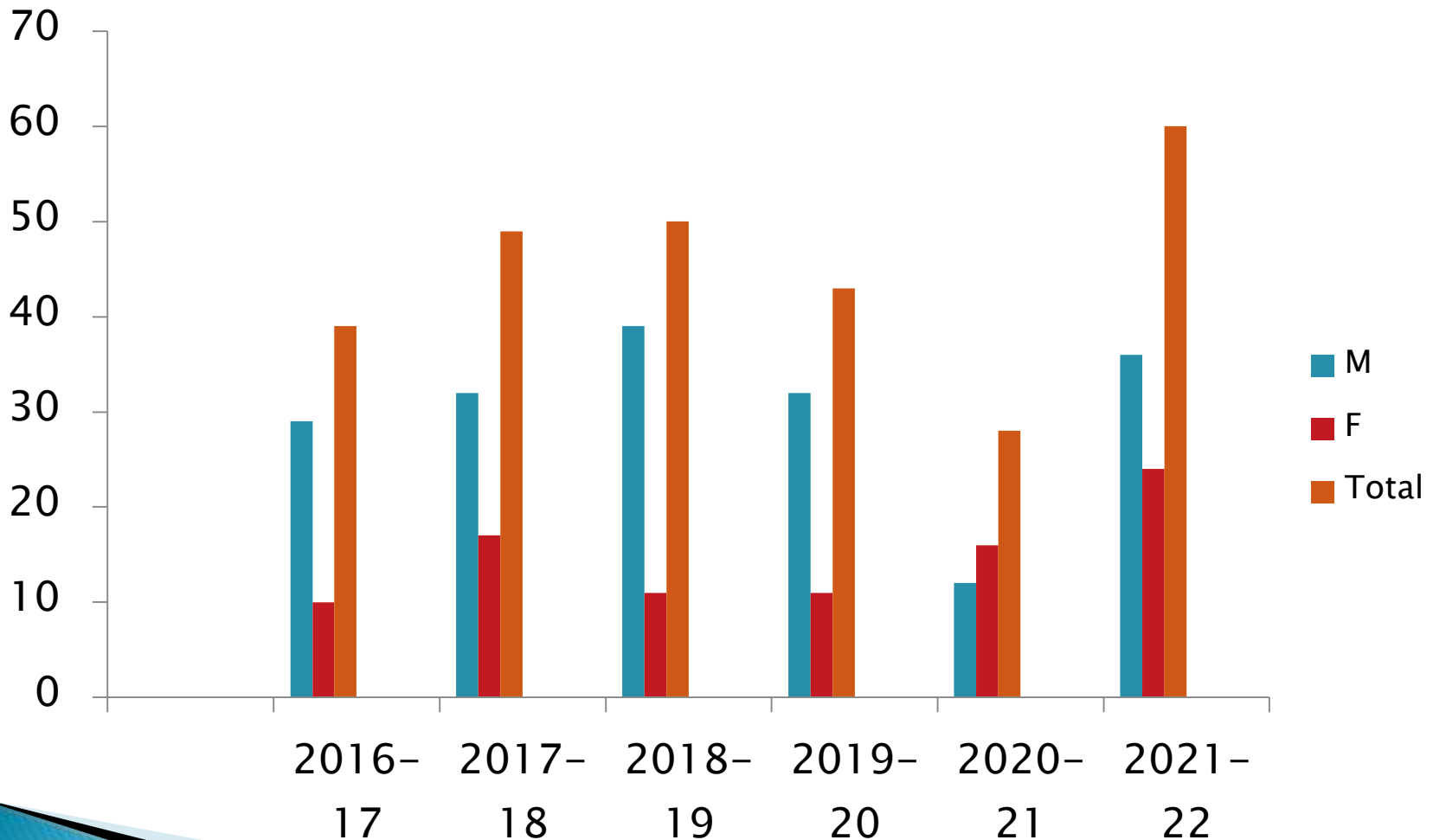
# Department of Mathematics

Admission Details - B Sc Part I(Maths Group)  
Total Section Seat – 50 ( 100 for session 2021-22)

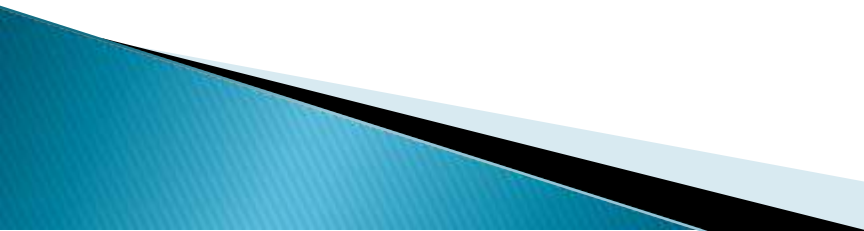
Years	M	F	Total
2016-17	29	10	39
2017-18	32	17	49
2018-19	39	11	50
2019-20	32	11	43
2020-21	12	16	28
2021-22	36	24	60

# Department of Mathematics

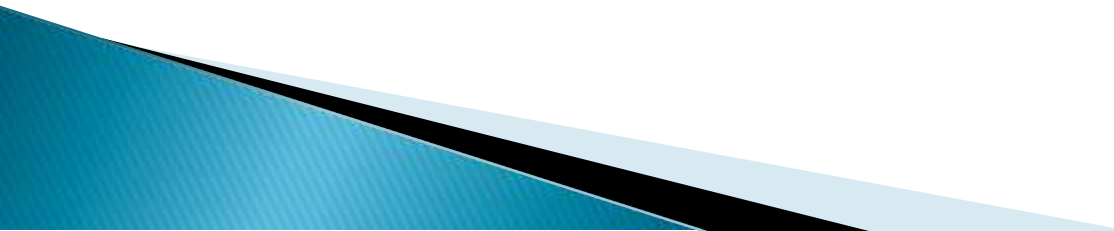
## Admission Details - B Sc Part I (Mathematics Group)



# Planning & Course Completion

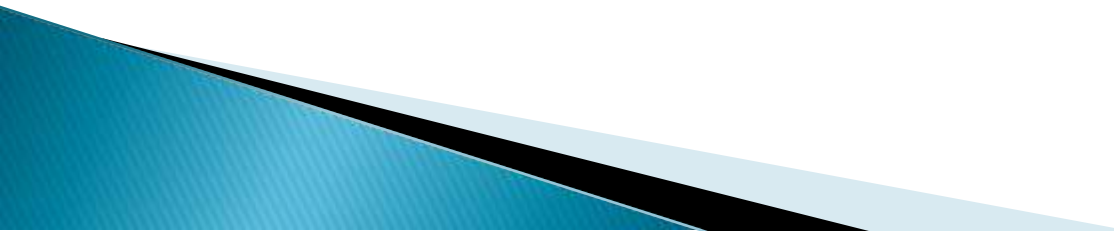
- Academic Calendar - CG HE Dept. And University
  - Admission
  - Central Time Table
  - Course Distribution months wise
  - Internal Assessment: Test and Assignment
  - Course completion: Theory
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# Assessment of Learning Level: Slow & Advance Learners

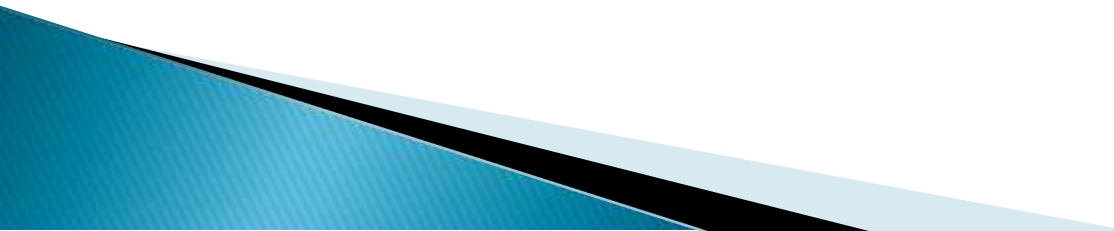
- Internal and Unit test
  - Class Attendance
  - 
  - University Examination
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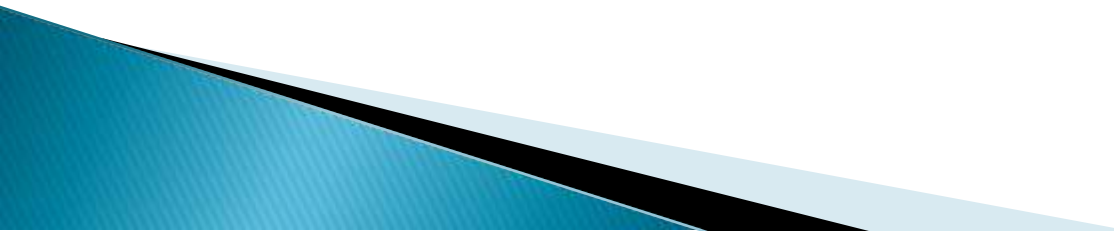
# Initiative to Slow Learners

- Extra Classes
  - Motivational guidance, Teaching & care.
  - Support of Text Books and Notes.
  - Individual Guidance.
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# Initiative to Advanced Learners

- Active Participation in Academic activities.
  - Active Participation in Co- curricular activities.
  - Motivation & support for Competitive examination.
  - Special support of Library
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# Program Outcomes

- Students should formulate, analyse and solve complex and diverse problems through analytical and computational techniques.
  - Student of science have greater chance of employment – like teaching, finance, public service, Govt. Sector and investment etc.
  - Student of science can apply their knowledge in other branches.
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# Program Specific Outcomes

- Mathematics provides a base for higher studies and refines the brain of students in comparison to other students as study of mathematics.
  - Study of mathematics enhances personal development.
  - Develop mathematical thinking.
  - Solve mathematical problems using technology.
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# Department of Mathematics

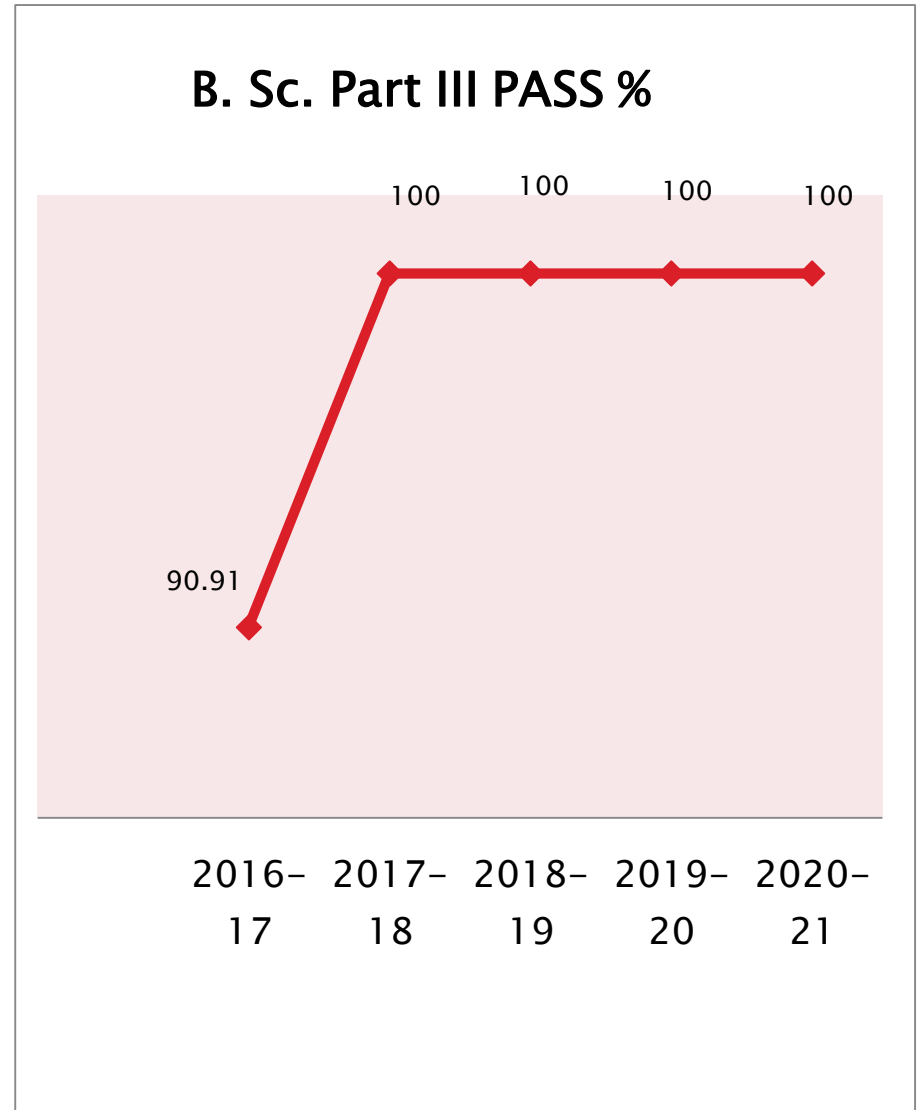
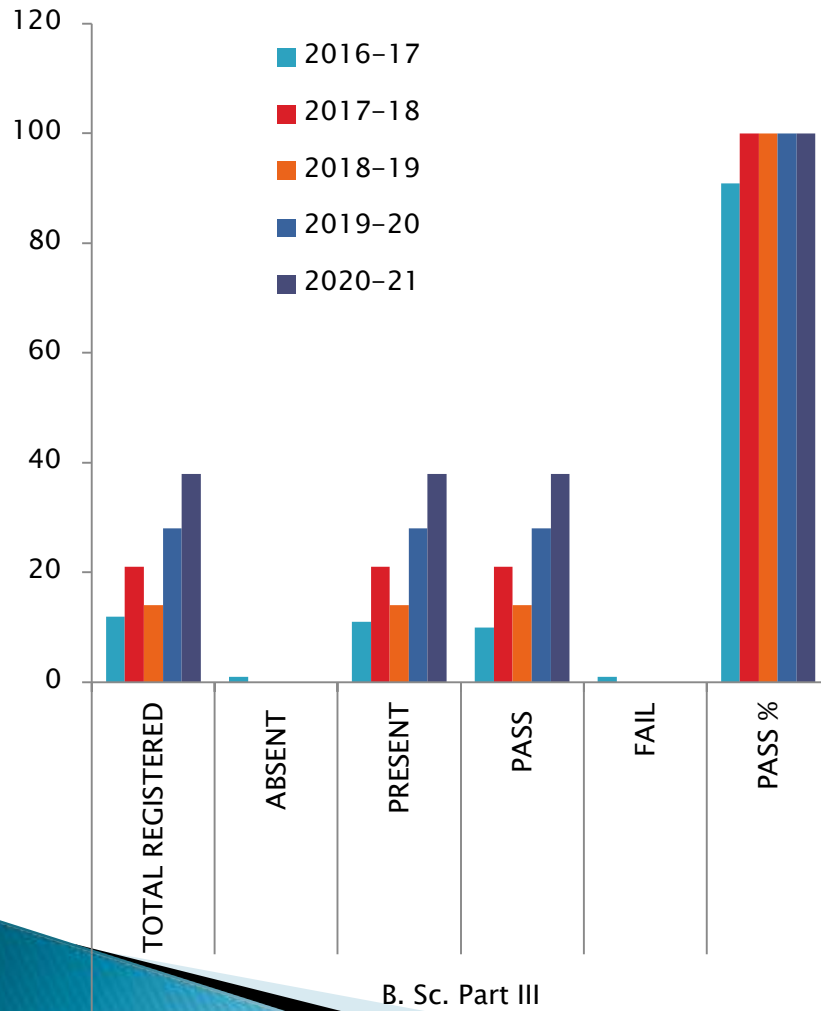
## RESULT ANALYSIS

### B. Sc. Part III

YEAR	B. Sc. Part III					
	TOTAL REGISTERED	ABSENT	PRESENT	PASS	FAIL	PASS %
2016-17	12	1	11	10	1	90.91
2017-18	21	0	21	21	0	100
2018-19	14	0	14	14	0	100
2019-20	28	0	28	28	0	100
2020-21	38	0	38	38	0	100

# Department of Mathematics

## GRAPHICAL REPRESENTATION OF RESULT ANALYSIS



# Details of Faculty Member

- ▶ Dr. Raghu Nandan Patel
- ▶ Designation – Assistant Professor
- ▶ Qualification – M. Sc. , M. Phil, Ph. D.
- ▶ Teaching Experience – 28 Years
- ▶ Mobil No. - 9826153480
- ▶ Email Id – [rnpatel1969@gmail.com](mailto:rnpatel1969@gmail.com)
- ▶ *Research Paper Published* :
- International Journal : 15
- National Journal : 20

# Lectures Uploaded in YouTube (cg.schoole.in)

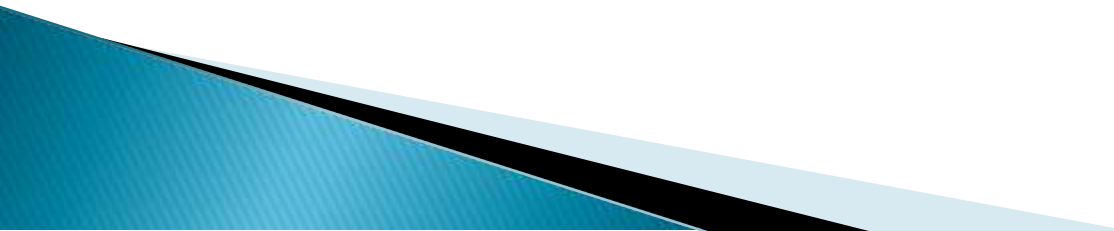
Name of the Teacher	Name of the module developed	Provide link to the relevant document/videos
Dr. Raghu Nandan Patel	Algebra and trigonometry (Subgroup)	<a href="https://youtu.be/IZ4EjJavVi4">https://youtu.be/IZ4EjJavVi4</a>
	Algebra and Trigonometry (Cyclic group)	<a href="https://youtu.be/TOjrRPdXwiM">https://youtu.be/TOjrRPdXwiM</a>
	Algebra and Trigonometry (Group)	<a href="https://youtu.be/L-FoNzPlalc">https://youtu.be/L-FoNzPlalc</a>
	Algebra and Trigonometry (Cosets)	<a href="https://youtu.be/1ryAA8DktA4">https://youtu.be/1ryAA8DktA4</a>
	Algebra and Trigonometry (Normal Subgroup)	<a href="https://youtu.be/jelrPIU90Mw">https://youtu.be/jelrPIU90Mw</a>
	Mathematics ( Topology)	<a href="https://youtu.be/qMKDFIq9nzA">https://youtu.be/qMKDFIq9nzA</a>
	Mathematics (Topology Connectedness – 2)	<a href="https://youtu.be/8eb8bveYGrA">https://youtu.be/8eb8bveYGrA</a>



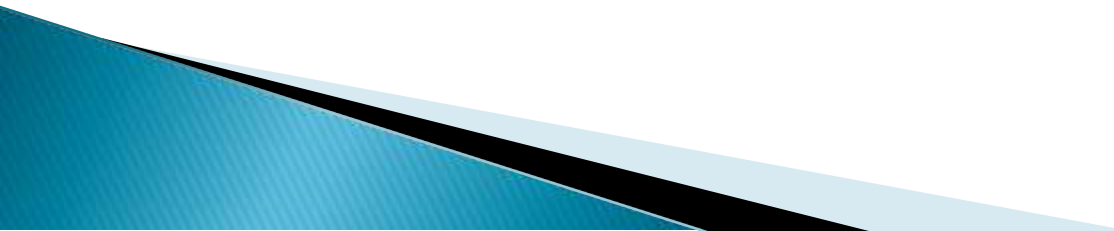
# Additional works on Department

- Help Desk – Convenor
  - IQAC Coordinator – Convenor
  - NAAC – Member
  - Anti Reggie and Discipline – Member
  - Computer Department – Convenor
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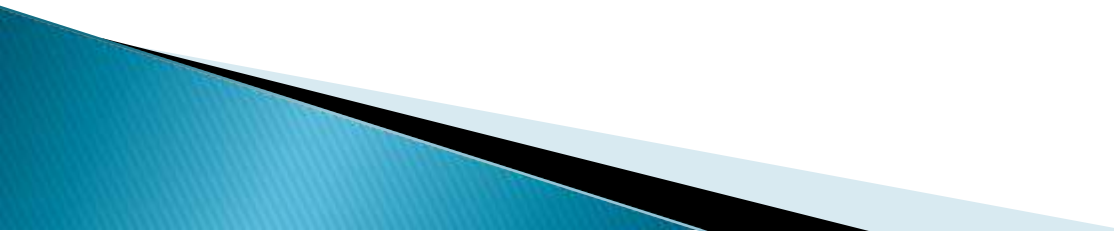
# Additional works on Department

- College Development committee - Member
  - Purchas committee - Convenor
  - Pay Fix session committee - Convenor
  - Write-up Committee - Member
  - Income Tax Committee - Convenor
  - University and Other Examination Committee - Member
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# Additional works Out Side of College

- Online Divisional Level Classes – Govt. E. Raghvendra Rao (Auto.) P G College Bilaspur ( C. G.)
  - Confidential Work - Chhattisgarh Public Service Commission, Raipur ( C. G.)
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# Additional works Out Side of College

- Board of studies - Member
    - Atal Bihari Vajpai University, Bilaspur ( C. G.)
  - Board of studies - Member
    - Govt. Bilasa Girls P G College Bilaspur ( C. G.)
  - Board of studies - Member
    - Govt. E. Raghvendra Rao PG College Bilaspur (C. G.)
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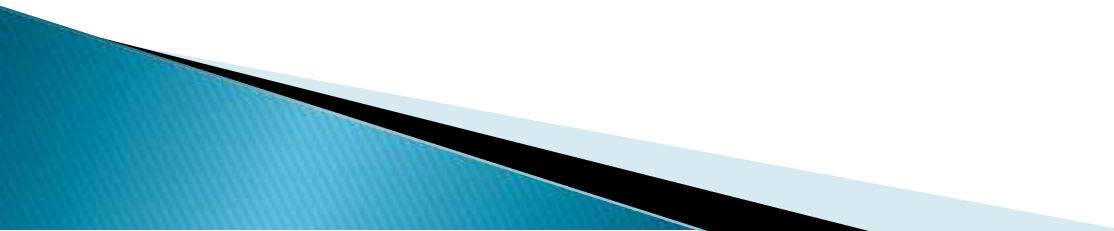
# Additional works Out Side of College

- Paper Setter and Valuation -
  - Atal Bihari Vajpai University, Bilaspur ( C. G.)
  - Pt. Sunder Lal Sharma (Open) University, Bilaspur ( C. G.)
  - Govt. Bilasa Girls P G College Bilaspur ( C. G.)
  - Govt. E. Raghvendra Rao ( Auto.) P G College Bilaspur ( C. G.)
  - Sahid Nand Kumar University, Raigarh (C.G.)
  - Gahira Guru University, Sargja, Ambikapur (C.G.)
  - Pt. Ravishankar University, Raipur (C.G.)

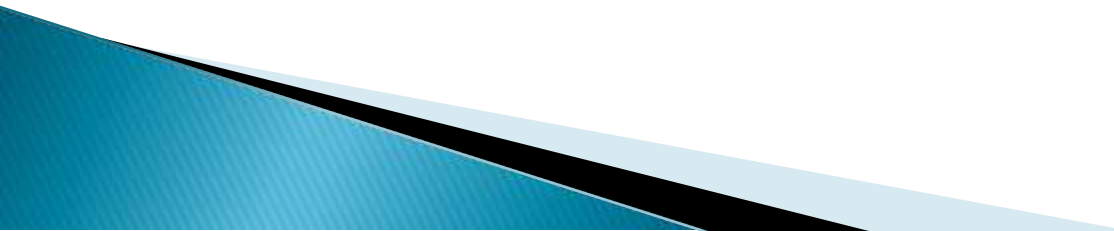
# Strengths

- ▶ Well Experienced and Qualified Teacher.
  - ▶ Availability of ICT.
  - ▶ Effective teaching learning process.
  - ▶ Number of pass outs is progressive.
  - ▶ Sincere and laborious students.
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# Weakness

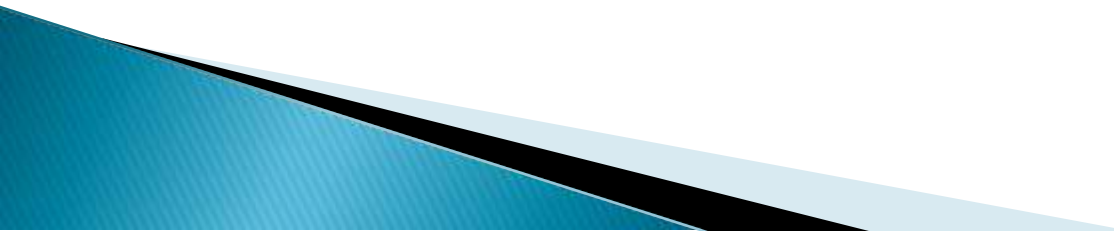
- ▶ Lack of Teachers.
  - ▶ High teacher student ratio.
  - ▶ Lack of proficiency in English.
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# Opportunities

- ▶ Providing platform to learn mathematics efficiently.
  - ▶ Providing good learning environment.
  - ▶ Promoting teacher student interaction.
  - ▶ Encourage students for curiosity.
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# Challenges

- ▶ To establish the department at national and International level.
  - ▶ To teach the students from rural and backward ground.
  - ▶ It is a great challenge to run department single handedly.
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# Future plans

To Start M Sc in Mathematics

To organize seminar and workshop in the department.

Thank You