Government Degree College

Wanaparthy, Mahabubnagar dist.

Department of Mathematics

Profile

By

V.Raghavendra, M.Sc, M.Phil. B.Ed.,

LECTURER IN MATHEMATICS

CONTENTES

Brief analysis

S.NO	PROFILE OF THE DEPARTMENT	RESPONSES
1.	Name of the Department	Mathematics
2.	Year of Establishment	1979
3.	Number of Teachers sanctioned and present position	01 and 01
4.	Number of Technical Staff	Nil
5.	Number of Teachers and Students	01/192
6.	Ratio of Teachers to Students	1:192
7.	The year when the curriculum was revised last	2018
8.	Number of students secured ranks in universities	08
9.	Number of books in the Departmental Library, if any	50
10.	Number of Computers	1

About Department Of Mathematics:

In the year 1979, the college introduced Department of Mathematics with different combinations at UG level keeping in view the need for strengthening its Physical Sciences Wing and growing Competition in the IT and Science fields. Previously the department

of Mathematics under the OSMANIA UNIVERSITY up to 2010, After 2010 – 2011 academic year this department converted to the PALAMUR UNIVERSITY. The department of Mathematics has been providing excellent Learning platform for the science students to shine forth, V.Raghavendra is the In-charge of the Department Mathematics for more than two years. With the passage of time year, Till today a admission into UG courses is a great demand.

Our motto: Like which is hard problem.

DEPARTMENT INFORMATION:

Name of the Department: **Mathematics**
Present Faculty:

Name	Position	Contact	Email

V.Raghavendra	Head of the department	9985299582	raghuwnp9582@gmail.com

- Names of Programmes / Courses offered :**UG-B.Sc.-MPC,MPCS**
- Names of Interdisciplinary courses and the departments/units involved:
  Physics, Chemistry, Computer Science.
- Annual/ semester/choice based credit system (programme wise):**Semester**
- Participation of the department in the courses offered by other departments: **TSKC,**
  Computer Science, Physics.

- Number of Teaching posts :

	Sanctioned	Filled
Lecturers	01	01

● Faculty profile with name, qualification, designation, specialization,

Name	Qualification	Designation	Specialization	No Of Years of Experience
V.Raghavendra	M.Sc,M.Phil,B.Ed.	Lecturer	Mathematics	18

Biography of the Faculty member:

Name of the candidate	**V.Raghavendra**
Date Appointment	**25-09-2003**
Date of birth	**18-05-1979**
SSC	**Completed in 1994 at ZPPHS (Boys), Wanaparthy**
Intermediate	**Completed in 1997 at Vignan Junior college Wanaparthy.**
Under Graduate **B.Sc (MPC)**	**Completed in 2000 at Govt. Degree College Wanaparthy, Under Osmania University**
Post Graduate **M.Sc Mathematics**	**Completed in 2003 at Osmania University of Hyderabad.**
M.Phil	**Completed in 2009 at Periyar University**
Address	**H.No 9999-42-NA0007** **Nandhihills** **M: Wanaparthy** **Dist : Wanaparthy** **T.S 509103.**

Student profile programme /course wise for the AY 2021-22:

Name of the Course (refer question no. 4)	Intake	Number of students Joined	Percentage of joined
B.Sc Physical Science (MPC,MPCS)	180	84	47%

Diversity of Students:

Name of the Course	% of students from rural	% of students from urban	% of students from
B.Sc(MPC& MPCS)	85%	15%	

Work load particulars:

Name of the lecturer	Theory	Tutorial
V. Raghavendra	15	09

Dept. of Mathematics TIME TABLE -2021-22

Day	Class year	I period	II period	III period	IV period	V period	IV period
MONDAY	I Yr	Maths					Tutorial
	II Yr			Maths			
	III Yr					Maths	
TUESDAY	I Yr	Maths					Tutorial
	II Yr			Maths			
	III Yr						
WEDNESDAY	I Yr	Maths					Tutorial
	II Yr					Maths	
	III Yr		Maths				
THURSDAY	I Yr					Maths	
	II Yr	Tutorial					
	III Yr			Maths			Tutorial
FRIDAY	I Yr					Maths	
	II Yr	Tutorial			Maths		
	III Yr			Maths			Tutorial
SATURDAY	I Yr						
	II Yr	Tutorial			Maths		
	III Yr			Maths			Tutorial

Syllabus

Paper	Semester	Subject	Hours/per week	Hours/per week		Max. Marks	Credits
				Theory	*Tutorials		
DSC - I	I	Differential & Integral Calculus	6	5	1	100	5
DSC - II	II	Differential Equations	6	5	1	100	5
DSC - III	III	Real Analysis	6	5	1	100	5
DSC - IV	IV	Algebra	6	5	1	100	5
DSC - V	V	Linear Algebra	6	5	1	100	5
DSE – VI(A)	VI	(A) Numerical Analysis	6	5	1	100	5
DSE – VI(B)	VI	(B) Integral Transforms	6	5	1	100	5
DSE – VI(C)	VI	(C) Analytical Solid Geometry	6	5	1	100	5
SEC-I	III	Theory of Equations	2	2	-	50	2
SEC-II	III	Logic & Sets	2	2	-	50	2
SEC-III	IV	Number Theory	2	2	-	50	2
SEC-IV	IV	Vector Calculus	2	2	-	50	2
Generic Elective	V-A*	1. Basic Mathematics **or** 2. Mathematics of Finance & Insurance	4	4	-	100	4
Project/ Optional	VI*	Mathematical Modelling	4	4	-	100	4

***Tutorials:** Problems solving session for each 20 student's one batch

Year Wise Result analysis:

NAME OF THE YEAR	NO. OF STUDENTS APPEARED	NO. OF STUDENT PASSED	PASS PERCENTAGE
2016-17	79	51	64.5
2017-18	79	62	78.5
2018-19	75	57	76
2019-20	71	59	84
2020-21	110	99	90
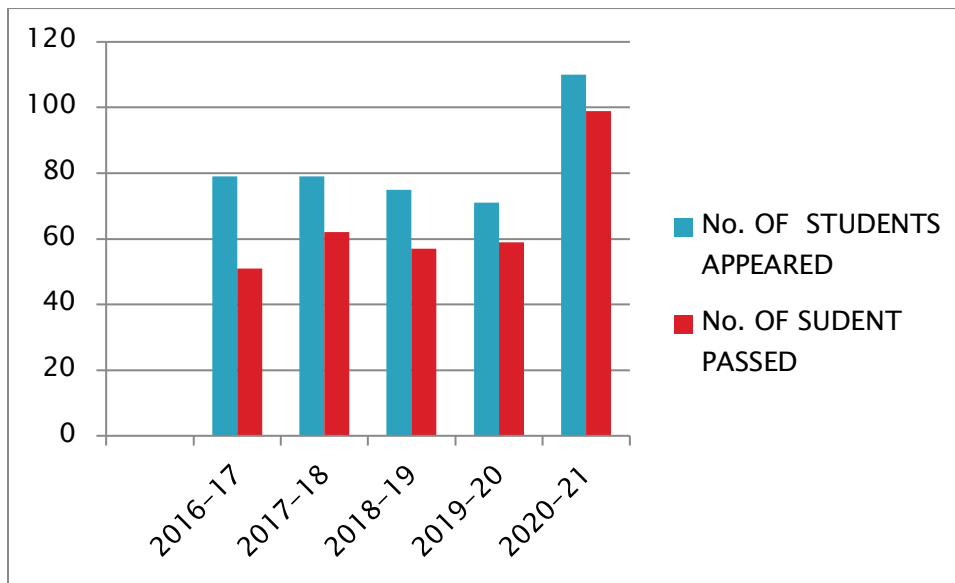
TOPPERS IN MATHEMATICS:

YEAR	PAPER	NAME OF THE STUDENT	ROLL NO	GRADE(GPA)
2020-21	MATHEMATICS-I	V.SUNAYANA	2003-3018-468-048	A+ (8.96)
	MATHEMATICS-II	SAI PRASHANTH	1903-3018-468-033	A
	MATHEMATICS-III	SAMREEN BEGUM	1803-3018-468-063	O (9.29)
	MATHEMATICS-IV	SAMREEN BEGUM	1803-3018-468-063	O (9.29)
2019-20	MATHEMATICS-I	M.ASHOK	1903-3018-441-011	A +
	MATHEMATICS-II	A.GAYATHRI	1803-3018-441-501	O
	MATHEMATICS-III	D.USHARANI	1703-3018-441-010	O (9.25)
	MATHEMATICS-IV	D.USHARANI	1703-3018-441-010	O (9.25)
2018-19	MATHEMATICS-I	N.AKASH	1803-3018-468-052	O
	MATHEMATICS-II	D.USHARANI	1703-3018-441-010	O
	MATHEMATICS-III	G.KAVYA	1603-3018-468-023	O
	MATHEMATICS-IV	G.KAVYA	1603-3018-468-023	O
2017-18	MATHEMATICS-I	D.USHARANI	1703-3018-441-010	O
	MATHEMATICS-II	G.KAVYA	1603-3018-468-023	O
	MATHEMATICS-III	S.KALYAN	3018-15-441-049	O
	MATHEMATICS-IV	S.KALYAN	3018-15-441-049	O

Student achievements:

THE FOLLWING STUDENTS SECURED RANKS IN RESPECTED COLLEGES AND UNIVERSITIES

- R.Dinesh secured 35th rank in M.Sc (Mathematics) P.G Entrance conducted by OSMANIA UNIVERSITY IN CPGET 2019
- A.Rambabu secured 126th rank in M.Sc (Mathematics) P.G Entrance conducted by OSMANIA UNIVERSITY IN CPGET 2019.
- G.Kavya secured 86th rank in M.Sc (Mathematics) P.G Entrance conducted by OSMANIA UNIVERSITY IN CPGET 2019.
- D.Anusha secured 255th rank in M.Sc (Mathematics) P.G Entrance conducted by OSMANIA UNIVERSITY IN CPGET 2020.
- N.Shivakumar secured 286th rank in M.Sc (Mathematics) P.G Entrance conducted by OSMANIA UNIVERSITY IN CPGET 2020.
- A.Supriya secured 81st rank in B.Ed Entrance TSEDCET 2020.
- S.Mamatha secured 210th rank in B.Ed Entrance TSEDCET 2020.
- Also there are eight people secured below 1000 ranks and pursuing B.Ed (mathematics) in 2019
- And also there are ten people secured below 500 ranks in M.Sc (Mathematics) P.G Entrance conducted by OSMANIA UNIVERSITY IN 2019.
- Mudavath Ramesh appointed as Sub Inspector of police on 23-10-2020.

    And also we suggested that to take Groups coaching for few students

Student progression higher education

Student progression	Against % enrolled
UG to PG	30%
PG to Ph.D.	2%
Entrepreneurship/Self-employment	42%
Groups and social services	5%

Unique features of department:

The student of each class is classified in three categories which are bright, average and slow learners.

The bright students are made as batch leaders and average students are made group leaders, for evaluation of home work notes books by practice of the department is that the teacher evaluates the note books of batch leaders and also clarification of doubts in the subject the slow learners raise their doubts with group leaders and batch leaders and in turn batch leaders with the teachers. In this process the student does not feel any agitation to clarify their doubts.

The method of assessing to the students of department:

The method of assessing our student academic standards after admission in order to provide enrichment is through

- Unit tests and slip tests
- Assignments and group discussions
- Seminars by students

On the basis of above the students are analyzed as poor, average and bright.

- The department is providing remedial coaching to the poor student in the subject.
- The department is giving assignment to the average and poor students.
- The department is giving student study projects to the bright students as group wise.
- The department organized extension lectures yearly.
- The department giving M.Sc (mathematics) coaching for interested students.
- The department conducted fresher's party and farewell party.
- The department celebrated "MATHEMATICS DAY".
- The department is giving motivations to the students each day at least five minutes.
- The department conducted quiz, debate, mathematics test and mental ability test.
- The department organized Mathematics sport conducted.
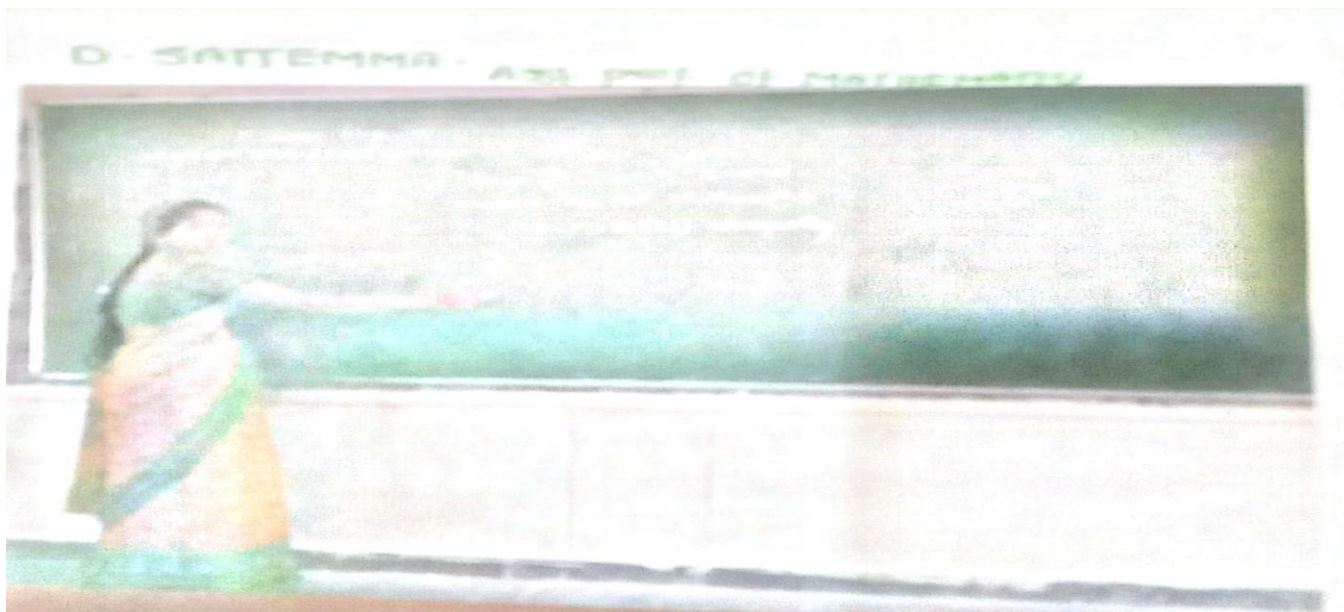
Extension lectures:

◊ Ananthappa yadav, Retired Teacher given lecture on Memory on Mathematics,GDC wanaparthy

on 11-12-2015.

◊ **Gangadhar resource person from HCU , given lecture on general Mathematics at Dept. of mathematics ,GDC wanaparthy on 05-11-2016.**

◊ **T.Rajeshwari Asst.Prof. of Mathematics in NTR Govt.Degree College(W), given lecture on Vector Space at Dept. of mathematics ,GDC wanaparthy on 18-11-2017.**

◊ **G.Yuvarupa Laxmi Lecturer in Mathematics , Govt. Degree College for women, Wanaparthy, given lecture on Rings at Dept. of mathematics ,GDC wanaparthy on 06-10-2018.**

◊ **D.Sattemma Asst.Prof. of Mathematics in Govt.Degree College(W) ,wanaparthy given lecture on Vector Spaces at Dept. of mathematics ,GDC wanaparthy on 23-09-2019.**
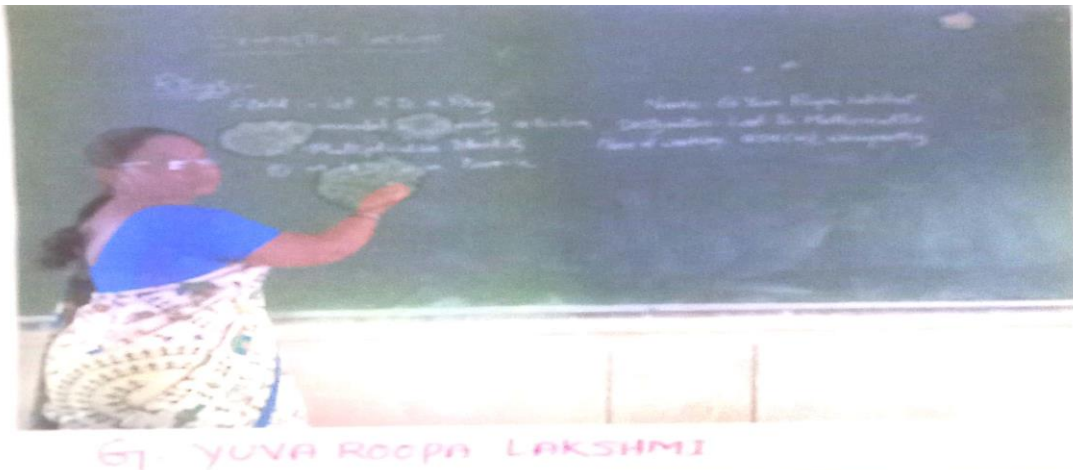
G.Yuvaroopa giving extension lecture on 06-10-2018

D.Sattemma   giving extension lecture on 23-09-2019.

Gangadhar giving extension lecture on 05-11-2016
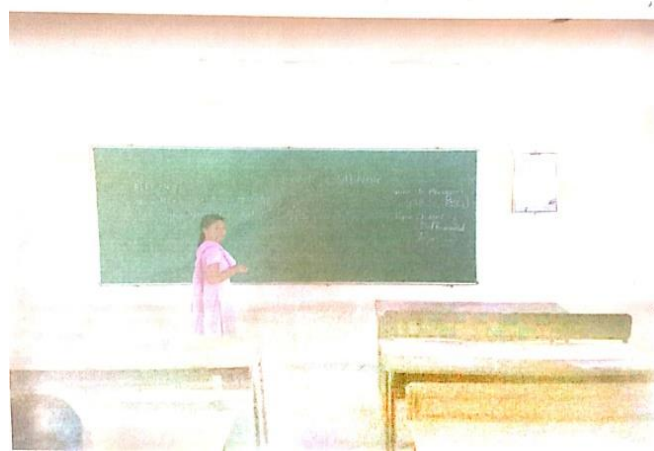
Student seminars:

We have conducted seminars from the academic year 2016-17 to 2019-20.

Name of the student	Class	Date	Topic
M.MOHAN	B.Sc (MPC) III YEAR	15-07-2019	Vector calculus
AKASH	B.Sc (MPCS) II YEAR	13-08-2019	Sequence & Series
B.RAJESH	B.Sc(MPCS) I YEAR	12-09-2019	Sequence
SARITHA	B.Sc (MPC)III YEAR	16-07-2018	Vector Space
D.ANUSHA	B.Sc (MPC) II YEAR	19-09-2018	Sequence
B.BHARGAVI	B.Sc (MSCS) I YEAR	23-02-2019	Exact differential equations
D.USHARANI	B.Sc (MPC) III YEAR	24-09-2019	Ideals
SAMPATH	B.Sc (MPC) III YEAR	20-07-2019	Groups
RAKSHANA	B.SC(MPC) IYEAR	03-10-2017	differential equations
DINESH	B.Sc (MPCS) II YEAR	27-01-2018	Sequence
D.KOUSALYA	B.SC(MPC) IYEAR	03-02-2018	differential equations
M.SUNITHA	B.Sc (MPCS) III YEAR	12-02-2018	Orthogonality
NOUSEEN BEGUM	B.Sc (MPC) II YEAR	20-07-2016	Continuity
BHASKAR REDDY	B.Sc (MPC) III YEAR	21-07-2016	Fourier Transforms
BEEMUDU	B.SC(MPC) IYEAR	19-08-2016	Curvature
MAMATHA	B.SC(MPC) IYEAR	10-02-2017	Partial differential equations
B.NARESH	B.Sc (MPC) II YEAR	10-02-2017	Groups

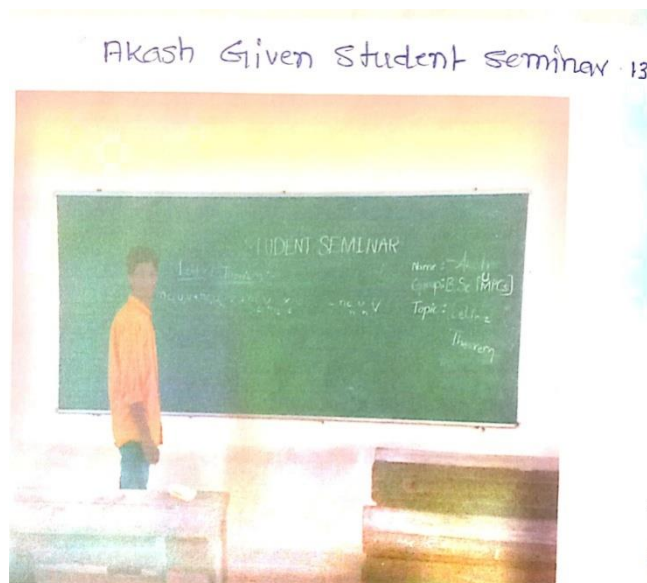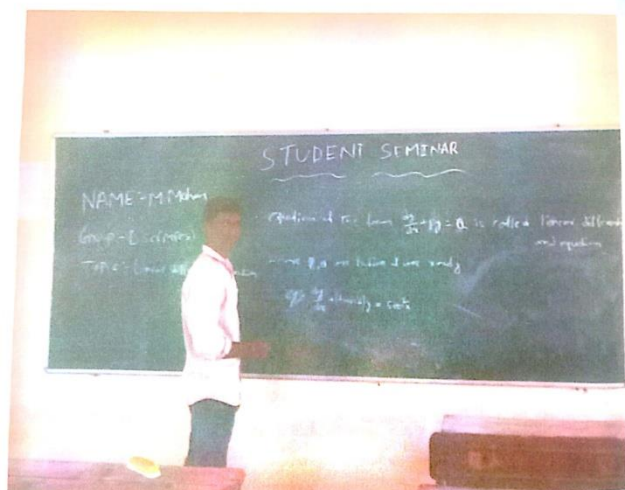Seminar Given By : D. Kousalya (1st year on 03-02-2018.
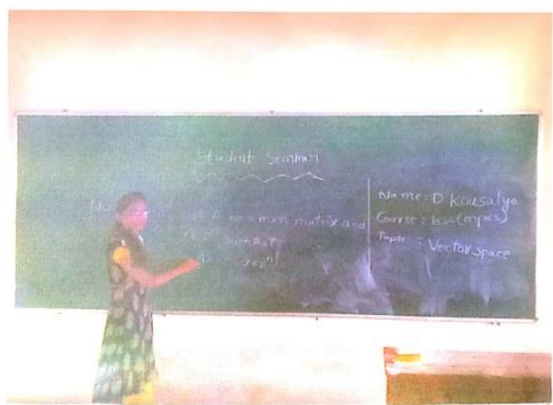
Student Seminar By : B. Bhargavi on 23-02-2019.

D.Kousalya B.Sc (MPC) I YEAR , giving seminar　　　　**B.Bhargavi giving student seminar to B.Sc(MPC) Iyear**

Student Seminar By: M. MOHAN.

Akash Given Student seminar. 13

M.Mohan B.Sc (MPC) III YEAR , giving seminar　　　　**Akash B.Sc (MPC) II YEAR , giving seminar**

List of senior visiting faculty:

- Sri. P.Ramulu, Asst.Prof . in Mathematics, MVS GDC, Mahabubnagar.

- Sri.Rangareddy lect in mathematics, SL Govt. Degree college ,Narayanpet.
- Sri.Ramarajyadav, Asst.Prof.in Mathematics, GDC, Kollapur.
- Sri.M.Ramakrishna lect. in mathematics SV govt. degree college,Palem.
- Academic Cell APCCE continuously visited every year twice or thrice.

<p style="color:red">List of eminent academicians and scientists/ visitors to the department:</p>

- ❖ Sri. Ranga Reddy, Lecturer in Mathematics, SLDC, Narayanpet, visited department on the occasion of Mathematics Day in 2012
- ❖ Sri. P.Ramulu, Asst.Prof . in Mathematics, MVS GDC, Mahabubnagar.
- ❖ P. Rami Reddy lect in mathematics, Govt. Degree college Khairathabad for
- ❖ Kond Srinivas Director and Lect. In Mathematics Rao's College wanaparthy visited department on the occasion of Mathematics Day in 2013.

Infra structure and learning:

- The department maintain separate departmental library consisting of consisting of Useful books to the students.

- We have one computer with net connection.

- The department is maintaining previous question papers and question bank.

- The department is giving notes and supplied the reading and printed materials.

- The department explaining YouTube mathematics videos.

- The department providing M.Sc entrance bits and questions.

- We have provided printed question papers every exam.

- We have one printer.

Mathematics day celebration:
Followed by the events:

- ❖ Invitation

- ❖ Inauguration
- ❖ Vandematharam
- ❖ a small dram
- ❖ movie presentation
- ❖ felicitation
- ❖ individual speech by students
- ❖ individual speech by lecturers
- ❖ Speech by the head of the department, principal and chief guest.

➢ **REFRESHEMENT**

➢ **CULTURAL ACTIVITIES**

Mathematics day photos

Felicitation to senior Mathematics Teacher

PRINCIPAL GIVING SPEECH IN MATHEMATICS DAY CELBRATION

SELF ANALYSIS:

Strengths:
- • Sharing of Academic expertise among faculty and students

- Several avenues for skill development and creativity for students
- Students helped to complete their degree on time through effective academic advising and peer tutoring.
- Working beyond the stipulated time.

Weakness:
- Balancing Department work, teaching load, committee work, research work
- Industry interface not effectively implemented

Opportunities:
- Academic and personal growth
- Organizational Skill development
- Team work – developing interpersonal skills
- Trained to manage difficult situations

Any other:

i) We celebrate MATHEMATICS DAY on the occasion of Ramanujan birthday.

ii) We are conducting tests on every chapter and giving assignment with explanation.

iii) We are explaining about the universities, IITs and some mathematical Institutions like TIFR, IISC, CMI, IMSc, etc., in some extra classes.

iv) We conducted special classes before time table and in holidays

v) We are giving M.Sc(Mathematics) coaching from last three Years

vi) We introducing new thing in the class room

vii) we announcing universities exam notifications.

THANK YOU