

**MILAGRES COLLEGE
KALLIANPUR**

DEPARTMENT OF MATHEMATICS

DEPARTMENT PROFILE

2018-2019

“Every Thing in Nature Occur Mathematically.”

Rene Descartes.

OBJECTIVIES

- 1. TO MAKE MATHEMATICS INTERESTING AND POPULAR.**
- 2. TO IMPROVE THE MATHEMATICAL APTITUDE AMOUNG THE STUDENTS**
- 3. TO GENERATE ORIGINAL THINKING.**
- 4. TO MOTIVATE THE STUDENTS TO CONTINUE THEIR STUDIES IN MATHEMATICS AFTER GRADUATION.**

FACULTY

NUMBER OF TEACHING STAFF-2

| NAME | QUALIFICATION | DESIGNATION | EXPERIENCE |
|------------------|---------------|---------------------|------------|
| Dr. Surekha | M.Sc , Phd | Associate professor | 31yrs |
| Mrs.Sindhura Rao | M.Sc ,B.Ed | Lecturer | 5 yrs |

ACTION PLAN (2018-2019)

1. Bridge course for I B.Sc
2. Periodic tests
3. Remedial classes for slow learners
4. Guest Lectures
5. Guidance for advance learners
6. Model Test
7. Competitions
8. Science Association activities
9. Class room seminars and seminar competitions
- 10.Students lecture training program

OUTCOME BASED ACTION PLAN

1. Bridge course :

A students who passes pre – university course and joins B.Sc course needs to develop some mathematical skills and abilities. Among the students admitted to the I B.Sc course , there are slow learners as well as advance learners. The bridge course is a sincere effort to help both the categories of the students ,in view of getting themselves acquainted with the fundamental concepts necessary to understand the subject.

Syllabus:

- Function
- Limits
- Trigonometry
- Continuous function
- Differentiation
- Integration

The above topics were discussed with illustrations and examples.

Later test was conducted .

2. Periodic Test:

Conducted monthly test after each unit and assignments are given.

3. Remedial Class

We conducted remedial classes for slow learners. We listed their names from each class and took classes for them. Later test was conducted for them.

4. Advance learners

Advance learners were encouraged to take up classes for slow learners. Also encouraged to write some articles about mathematics.

5. Model Test

Model test was conducted for B.Sc students at the end of each semesters. It helps and develops their confidence to write university exam.

SUMMARY OF UNIVERSITY RESULTS

2018-19 DEC-APRIL EVEN SEM

| CLASS | APPEARED | PASSED | % |
|---------------------|----------|--------|------|
| I B.Sc (II Sem) | 36 | 34 | 94% |
| II B.Sc(IV Sem) | 18 | 17 | 94% |
| III B.Sc(VI Sem) | 25 | 25 | 100% |

2018-19 JUNE-DEC ODD SEM

| CLASS | APPEARED | PASSED | % |
|--------|----------|--------|------|
| I BSC | 46 | 44 | 97% |
| II BSC | 36 | 34 | 94% |
| IIIBSC | 18 | 18 | 100% |

2018-19 DEC EVEN SEM

| CLASS | APPEARED | PASSED | % |
|---------------------|----------|--------|-----|
| II B C A (IVSEM) | 26 | 25 | 96% |

STUDENTS ACHIVEMENTS :

1. 100% results from outgoing batch 2018
2. Two students of III B.Sc secured full marks in Paper 7

3. Kavya of II B.Sc secured full marks
4. Kavya and Amitha of I B.Sc secured full marks
5. Swathi of III BCA secured full marks

STUDENTS PROGRESSION:

Many students have joined post graduation (M.Sc in Mathematics) at MAHE, Manipal University, Manipal and Mangalore University.

Many students have joined for Wipro TCS and Infosys under campus selection.

STAFF ACHIVEMENT

1. Dr.Surekha H.O.D of Mathematics has participated in 3 days “INTERNATIONAL CONFERENCE” on Discrete Mathematics -ICDM -2019 during January 7th to 9th 2019 held at St.Joseph ‘s college Tiruchirapally Tamilnadu,and presented a paper on “ Inverse Block Domination in Graph “
2. She is a B.E.O member of St. Agnes Autonomous college Mangalore for 2018-2019
3. Mrs . Sindhura Rao lecturer in Dept Mathematics was a judge for “Thandava” ,talents day program at Ashritha P.U college Kota
4. Mrs. Sindhura Rao lecturer in Dept of Mathematics was participated in one day workshop on “Laboratory for B.Sc Mathematics –An introduction to Scilab/Maxima” held on 03.03.2019

BEST PRACTISES:

1. Departmental Notice Board

2. Clippings of articles related to Mathematics are displayed on the wall magazine and file of articles is maintained.
3. Issue of books and question papers from the department library to the students.
4. Problem solving sessions and theorem writing sessions, class room seminars were conducted
5. Free internet facility is given to the students in the department.

ACTIVITIES OF THE DEPARTMENT

1. Dept of Mathematics organised a guest lecturer on “Preparing for JAM Exam “ for B.Sc students on 4-7-2018 .Mr.Karl Danyl Lewis ,B.E ,NITK , Surathkal was the chief guest





2. Dept of Mathematics associated with Science association conducted Mangalore university level Fr. D'cruz memorial seminar competition on 17-08-2018



3. The National Mathematics Day was celebrated by Mathematics Department. Dr. Vincent Alva ,Principal of Milagres college Kallianpur Presided over the function .Ms. Kavya Pai and Ms.Arazoo of III B.Sc presented a paper on “Life and Achievements of Pro.Srinivasa Ramanujan”. Mrs Sindhura Rao lecturer in Mathematics welcomed the gathering. Ms.Keerthi Shetty of III B.Sc proposed the vote of thanks and Ms. Vaishnavi of III B.Sc compeered the program. All B.Sc students were present on this occasion.





4. Department of Mathematics in association with science association conducted an Inter-Class Mathematics Collage Competition on 21st of August 2018 for B.Sc. students in Physics Laboratory. Ms. Sharel Fernandes-Ms. Yashaswi of II B.Sc. secured the First Place, Ms. Smitha Pinto-Ms. Rakshitha secured the Second Place and Mr. Rickson – Mr. Rakshith secured Third Place

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6. Poornesh Hedge ,Chethan Kulal, Rickson Rodriguez of II B.sc have participated in" MATH-HEPTATHLON " held at poornaprajna college udupi on 22-2-2019.





Mathematics collage and seminar compitation