

# ANNAI VAILANKANNI ARTS & SCIENCE COLLEGE, THANJAVUR-7

## DEPARTMENT OF MATHEMATICS

### ANNUAL REPORT (2017-2018)

Department of mathematics inaugurated in 2010 with 2 faculties and 13 students.

The research program M.PHIL was set off in 2016. Now at about there are 11 faculties and 218 students with 49 PG students and 169 UG students.

#### FACULTY DETAIL

1. Mr. N. Jai Maruthi, M.Sc., M.Phil,  $\overline{Ph. D}$
2. Mr.P.Jayakumar M.Sc., M.Phil. Ph.D
3. Mrs. M. Senbagavalli, M.Sc., M.Phil. Ph.D
4. Mr. T. Rajesh Kumar, M.Sc., M.Phil.,
5. Mrs. M.Joice Mabel M.Sc., B.Ed., M.Phil,
6. Mrs. P. Caroline Mary, M.Sc., M.Phil,  $\overline{Ph. D}$
7. Mrs.S.kamala selvi M.Sc., M.Phil.,
8. Mrs.M.Agalya M.Sc., M.Phil. Ph.D
9. Mr.S.Muthupandian D.ted., M.Sc., M.Phil.,
10. Mrs.k.Usharani M.Sc., B.Ed., M.Phil.,
11. Ms.S.Thatchayani M.Sc., B.Ed., M.Phil.,

#### FOR THE STAFF MEMBERS

Every fifteen days, HOD meets the staff members and discusses about the well being staff, students and their needs.

Particularly, we discussed the students and the faculties and their problems. It was stressed that the faculty members propose their suggestions having in the mind the good of the college.

#### PARENTS –TEACHERS MEETING

##### ODD SEMESTER:

Our department arranged parents' teachers meeting on 21 AUG 2017 for UG& 25 PG students. Many parents participated .it was a great interaction. HOD talked about the rules and regulations and responsibility of parents, some parents expressed the satisfaction and gratitude to the college administration.

## **EVEN SEMESTER:**

Our department arranged parents teachers meeting on 12 february 2018 for UG &16 February PG students. Many parents participated .it was a great interaction. HOD talked about the rules and regulations and responsibility of parents, some parents expressed the satisfaction and gratitude to the college administration.



## **ASSOCIATION DETAILS**

We Conducted First Association Meeting On 30<sup>th</sup> Aug 2017, Dr.A EDWARD SAMUEL M.Sc., M.Phil. Ph.D Assistant professor GOVT.ARTS COLLEGE (AUTONOMOUS) KUMBAKONAM delivered speech on the “DECISION MAKING UNDER FUZZY ENVIRONMENT”

Next on 16th Feb 2018, Dr.A.HARI GANESH M.Sc., M.Phil. Ph.D, Assistant professor POOMBUHUR COLLEGE MELAIYUR delivered a speech on the “VECTOR CALCULUS AND ITS APPLICATIONS ON REAL LIFE”.



## **CONFERENCE ATTENDED& PAPER PRESENTED BY OUR STAFF MEMBERS**

### **PAPER PRESENTATION BY OUR DEPARTMENT STUDENTS**

Our II – M.SC 8 Students presented paper on “APPLICATION OF MATHEMATICS IN ENGINEERING” held at Kings College Of Engineering , Thanjavur.

Two of our M.sc students presented paper on “ADVANCEMENT IN MATHEMATICAL SCIENCE ” at st .joseph’s college trichy.

Our student T.Aparna of II M.Sc Maths presented paper on “RECENT TRENDS IN MATHEMATICS” and won I prize at Bon Secours College for women.

### **TOUR REPORT:**

The department of mathematics headed by HOD has gone to an industrial visit for three days to the following places

- \* Kerala
- \* Trivandrum
- \* Kanyakumari

The main aim of the industrial visit is to show the advancements of mathematics in the field of space theories and the job opportunities for which that are there in the field of space sciences.

OUR HOD Mr. JAIMARUTHI.N headed and the assistants staffs are MR.PRAVEEN RAJA.T AND MS SOOSANNA BRITTI OSSANA accompanied us and they lead us to every places in time and we enjoyed and learnt a lot related to our subject.

The industrial visit was very useful to us, we enjoyed and learned a lot a good time to relate with all our classmates and our seniors, and it gave us a nice Exposure.



## **RESULTS DETAILS:**

### **I-B.SC Maths**

Total Number of Students-76

1. Tamil/hindi-100%
2. English -95%
3. Differential calculus & trigonometry-100%
4. Intergral calculus-88%
- 5.Allied physics -75%
6. value education-100%

### **II-B.SC Maths**

Total Number of Students-37

1. Tamil-100%
2. English- 95%
3. Classical Algebra & theory of numbers -97%
- 4.Sequence and series-100%
- 4.Programming in c-100%
- 5.NME-Principles of management-100%

### **III-B.SC Maths**

Total Number of Students-56

1. Vector calculus &Fourier series-93%
2. Algebra-93%
3. Real Analysis-100%
4. Statics – 98%
5. Operation Research -100%
6. SBE: Corel Draw-100%

7. SBE: Dream weaver-100%

8. Soft skills Development-100%

### **I- M.ScMaths**

Total Number of Students-26

1.Algebra-54%

2.Real Analysis-100%

3.Graph Theory-96%

4. Ordinary Differential Equation -96%

5.Integral Calculus,Variation of parameters &Fourier transforms-69%

### **II-M.SC Maths**

Total Number of Students-23

1. classical dymaics-100%

2.Measure and intergration-100%

3.Topology-100%

4.Discrete mathematics-100%

5. Advanced operations research-100%

### **CENTUM HOLDER IN INDIVIDUAL SUBJECT (100 MARK)**

| <b>S.NO</b> | <b>CLASS</b>  | <b>NAME</b>   | <b>SUBJECT</b>                        | <b>SUBJECT HANDLED STAFF</b> |
|-------------|---------------|---------------|---------------------------------------|------------------------------|
| <b>1.</b>   | I B.sc Maths  | L.Bhoovaragan | differential calculus & trigonometry  | M.Joice mabel                |
| <b>2.</b>   | II B.sc Maths | G.Kaviya      | classical algebra & theory of numbers | T.Rajesh kumar               |
| <b>3.</b>   | II B.sc Maths | B.Madhumitha  | classical algebra & theory of numbers | T.Rajesh kumar               |
| <b>4.</b>   | II B.sc Maths | B.Madhumitha  | sequence and series                   | M.Joice mabel                |

|    |                |               |                     |                |
|----|----------------|---------------|---------------------|----------------|
| 5. | II B.sc Maths  | G.Umabharathi | sequence and series | M.Joice mabel  |
| 6. | III B.sc Maths | P.Mary vincy  | vector calculus     | T.Rajesh kumar |

**100% RESULTS BY OUR DEPARTMENT FACULTIES (13 PAPER CENTUM RESULT)**

| S.NO | NAME OF THE STAFF | CLASS         | SUBJECT                                |
|------|-------------------|---------------|--|
| 1    | N.JAIMARUTHI      | III BSC MATHS | Operations research                    |
| 2    | N.JAIMARUTHI      | III BSC MATHS | Soft skills                            |
| 3    | N.JAIMARUTHI      | I BSC MATHS   | Value education                        |
| 4    | N.JAIMARUTHI      | II MSC MATHS  | Advanced operations research           |
| 5    | Dr.P.JAYAKUMAR    | I MSC MATHS   | Real analysis                          |
| 6    | Dr.P.JAYAKUMAR    | II MSC MATHS  | Measure and integration                |
| 7    | Dr.M.SENBAGAVALLI | III BSC MATHS | Real analysis                          |
| 8    | Dr.M.SENBAGAVALLI | II M.Sc MATHS | topology                               |
| 9    | M.JOICE MABEL     | I BSC MATHS   | Differential calculus and trigonometry |
| 10   | M.JOICE MABEL     | II BSC MATHS  | Sequence and series                    |
| 11   | P.CAROLINE MARY   | II M.Sc MATHS | Discrete mathematics                   |
| 12   | Dr.M.AGALYA       | II MSC MATHS  | Classical dynamics                     |
| 13   | S.MUTHUPANDIAN    | I BSC MATHS   | Value education                        |