

**DEPARTMENT OF  
PHYSICS**

**ACHIEVEMENTS REPORT**

**(2019 – 2018)**

## ACHIEVEMENT REPORT (2019-2018)

The Department of Physics was inaugurated in the year 2011 with 1 faculty and 13 students. The PG program was set off in 2015 and the research programme, M.Phil is started in this academic year 2018-19 with 6 scholars. Now the department has grown up with 10 faculties and 149 students with 28 PG students and 121 UG students. The department is blended with its growth in science and technology upto date in various dimensions. The department is constantly developing with continuous support of the Management and making steps to get support from the Government funding agencies like UGC, DST-FIST, CSIR, TNSCST etc. The department is marching forward to have some National and International collaborations for its Research, Symposia and Conferences to ignite the students with scientific spirit.

### FACULTY DETAILS

1. Dr. P. Sathish M.Sc., M.Phil., Ph.D.,
2. Mr. S. Lucas M.Sc., M.Phil.,M.Ed, PGDCSA.
3. Mrs. Nandhini.Pon, M.Sc., M.Phil.,
4. Ms. A.Sharmila M.Sc., M.Phil.,
5. Mr.V.Suresh M.Sc.,B.Ed., M.Phil.,
6. Dr. R. Archana M.Sc., B.Ed., M.Phil., Ph.D.,
7. Dr.R. Kesavamoorthi M.Sc., M.Phil., Ph.D.,
8. Dr. G.Arumugam M.Sc., M.Phil., Ph.D.,
9. Mrs.L. Josepine anitha M.Sc., M.Phil.,
10. Dr. N. Dinesh Babu M.Sc., M.Phil., Ph.D.,

### DEPARTMENT MEETING

Periodically, HOD meets the staff and discusses about the well being of faculties, students and their requirements. Particularly, we discuss the learning difficulty of the students and their difficulties. **Dr. P. Sathish**, Assistant Professor & Head, Department of Physics, AVASC had attended , one day state level seminar on the title “**Recent Trends in Thin Films**” as a **chairperson** at AVVM Sri Pushpam College, Poondi on 28<sup>th</sup> August 2018.

### ASSOCIATION MEETING DETAILS

| DATE       | TOPIC                                   | RESOURCE PERSION OF THE COLLEGE   |
|------------|---|---|
| 25.08.2018 | EMERGING TRENDS IN THE FIELD OF PHYSICS | Dr.P.Philominathan, Associate Professor of Physics, AVVM Sri Pushpam College, Poondi. |

In our college, Physics association meet was held on **25/8/2018**. Our college Principal Dr. P. Devanesan, Administrator Rev. Fr. S. Arockiadoss, and Vice Principal Dr. V. Mahesh presided over the function. Welcome address was presented by Dean of Sciences Dr. R. Archana and Introduction to chief guest was delivered by Head of the department Dr. P. Sathish.

Dr. P. Philominathan, chief guest from A.V.V.M Sri Pushpam college Poondi presided over the function and delivered his motivational speech to all the B.Sc, M.Sc physics students and also staff members on the title **“EMERGING TRENDS IN THE FIELD OF PHYSICS”**. In his fascinating speech, he insisted that “All the students must love our physics subject and to be proud as a physics student forever”. This made every student to think cognitive as well as innovative.





## ASSOCIATION MEETING DETAILS

The Post Graduate Department of Physics of Annai Vailankanni Arts and Science College has planned to conduct Association Meet on 28<sup>th</sup> February, 2019 on the title "Seminar on Nanomaterials and Microprocessors". The invited talk will be given by Dr.K.Ravichandran Associate Professor & Head Department of Physics, AVVM Sri Pushpam College, Poondi and Dr.P.Krishnamoorthy, Former Principal, AVVM Sri Pushpam College, Poondi.

In our Physics department, one day seminar, was held on **28/02/2019**. Our college Secretatry & Correspondent Most.Rev.Fr.Dr.S.Sebastian Periannan, Administrator Rev.Fr.Dr.S.Arockiadoss, and Vice Principal Dr.V.Mahesh participated in this function. Welcome address was presented by Dean of Sciences, Dr. R.Archana and Introduction to chief guests was delivered by Head of the department, Dr.P.Sathish and Prof.S.Lucas.

Dr.K.Ravichandran and Prof.P.Krishnamoorthy, distinguished guests from A.V.V.M Sri Pushpam college Poondi presided over the function and delivered their motivational speech to all the B.Sc, M.Sc physics students and also staff members about the title on "NANOMATERIALS AND MICROPROCESSORS". In their intriguing speech, all the

students must love our physics subject and proud to be a physics student forever. Last but not least, the one day seminar on the above mentioned title was so unique because of the concurrence with national science day.



**STUDENTS ACADEMIC & CULTURAL ACHIEVEMENTS:**

⊕ C. Mahalakshmi of II M.Sc., physics has secured university 10<sup>th</sup> rank

**STUDENTS CULTURAL ACHIEVEMENTS:**

⊕ Award won by our department student

**CLASS & SUBJECT WISE STUDENTS %**

**RESULT DETAILS: (NOV 2018 EXAM)**

**DEPARTMENT OF PHYSICS  
UNIVERSITY RESULTS OF NOV-2018**

**I B.Sc., PHYSICS BATCH-(2018-2021)  
SEMESTER-I**

| S.No | Subject                     | Sub code | Total no of students | No of students appeared |      | No of students passed | Boys | Girls | Pass % | Handling Staff         |
|------|-----------------------------|----------|----------------------|-------------------------|------|-----------------------|------|-------|--------|------------------------|
|      |                             |          |                      | GIRLS                   | BOYS |                       |      |       |        |                        |
| 1.   | Tamil                       | 16LCT1   | 36                   | 16                      | 20   | 36                    | 20   | 16    | 100    | Dr.K.Poonkodi          |
| 2.   | English                     | 16ELCE1  | 36                   | 16                      | 20   | 33                    | 17   | 16    | 91     | Ms.X.Francisca         |
| 3.   | Mechanics                   | 16SCCPH1 | 36                   | 16                      | 20   | 24                    | 12   | 12    | 67     | Mrs.Nandhini.pon       |
| 4.   | Calculus and Fourier series | 16SACMM1 | 36                   | 16                      | 19   | 24                    | 11   | 13    | 65     | Mr. S.Muthupandiyar    |
| 5.   | Value Education             | 18UGVED  | 36                   | 16                      | 20   | 35                    | 19   | 16    | 97     | Mrs.L.Josephine Anitha |

**Total Pass Percentage : 84%**

HOD

PRINCIPAL

**DEPARTMENT OF PHYSICS**  
**UNIVERSITY RESULTS OF NOV- 2018**  
**II B.Sc., PHYSICS BATCH-(2017-2020)**  
**SEMESTER-III**

| S.No | Subject               | Sub code | Total no of students | No of students appeared |      | No of students passed | Boys | Girls | Pass % | Handling Staff        |
|------|-----------------------|----------|----------------------|-------------------------|------|-----------------------|------|-------|--------|-----------------------|
|      |                       |          |                      | GIRLS                   | BOYS |                       |      |       |        |                       |
| 1.   | Tamil                 | 16LCT3   | 47                   | 26                      | 21   | 46                    | 21   | 25    | 98     | Dr. Praveena          |
| 2.   | English               | 16ELCE3  | 47                   | 26                      | 21   | 44                    | 20   | 24    | 94     | Mr. J. Immanuel       |
| 3.   | Thermal physics       | 16SCCPH3 | 47                   | 26                      | 21   | 41                    | 16   | 25    | 87     | Dr. N. Dineshababu    |
| 4.   | Programming in 'C'    | 16SACCS1 | 47                   | 26                      | 21   | 46                    | 20   | 26    | 98     | Ms. M. Merlin Asuntha |
| 5.   | Management principles | 16NMEBB1 | 47                   | 26                      | 21   | 45                    | 19   | 26    | 95     | Ms. Uvasti            |

**Total Pass Percentage: 94.4%**

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**DEPARTMENT OF PHYSICS**  
**UNIVERSITY RESULTS OF NOV-2018**  
**III B.SC PHYSICS BATCH-(2016-2019)**  
**SEMESTER-V**

| S.No | Subject                    | Sub code      | Total no of students | No of students appeared |      | No of students passed | Boys | Girls | Pass % | Handling Staff              |
|------|----------------------------|---------------|----------------------|-------------------------|------|-----------------------|------|-------|--------|-----------------------------|
|      |                            |               |                      | GIRL S                  | BOYS |                       |      |       |        |                             |
| 1.   | Optics                     | 16SCCPH5      | 37                   | 34                      | 03   | 33                    | 01   | 32    | 89     | Mr.R.Keshavamoorthy         |
| 2.   | Atomic and Nuclear Physics | 16SCCPH6      | 37                   | 34                      | 03   | 37                    | 03   | 34    | 100    | Mr.V.Suresh                 |
| 3.   | Electronics                | 16SCCPH7      | 37                   | 34                      | 03   | 36                    | 02   | 34    | 97     | Ms.A.Sharmila               |
| 4.   | Material Science           | 16SMBEPH<br>1 | 37                   | 34                      | 03   | 37                    | 03   | 34    | 100    | Mr.S.Lucas                  |
| 5.   | Corel Draw                 | 16RSBE4:2     | 37                   | 34                      | 03   | 37                    | 03   | 34    | 100    | Mrs.M.Chithira Devi         |
| 6.   | Dream Weaver               | 16RSBE4:3     | 37                   | 34                      | 03   | 37                    | 03   | 34    | 100    | Mrs.C.Jenifer               |
| 7.   | Soft Skill                 | RUGSDC        | 37                   | 34                      | 03   | 37                    | 03   | 34    | 100    | Ms.A.Sharmila               |
| 8    | Practical-III              | 16SCCPH3P     | 37                   | 34                      | 03   | 37                    | 03   | 34    | 100    | Ms.A.Sharmila<br>Mr.S.Lucas |

**Total Pass Percentage : 98.25 %**

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**DEPARTMENT OF PHYSICS  
UNIVERSITY RESULTS OF NOV 2018**

**I M.SC PHYSICS BATCH-(2018-2020)  
SEMESTER-I**

| S.No | Subject                         | Sub code | Total no of students | No of students appeared |      | No of students passed | Boys | Girls | Pass % | Handling Staff    |
|------|---------------------------------|----------|----------------------|-------------------------|------|-----------------------|------|-------|--------|-------------------|
|      |                                 |          |                      | GIRLS                   | BOYS |                       |      |       |        |                   |
| 1.   | Mathematical Physics            | P16PY11  | 17                   | 14                      | 03   | 12                    | 02   | 10    | 70     | Mr. Muthupandian  |
| 2.   | Classical Dynamics & Relativity | P16PY12  | 17                   | 14                      | 03   | 16                    | 03   | 13    | 94     | Mr. S. Lucas      |
| 3.   | Electronics                     | P16PY13  | 17                   | 14                      | 03   | 13                    | 03   | 10    | 76     | Mr. V. Suresh     |
| 4.   | Methods of Spectroscopy         | P16PY14  | 17                   | 14                      | 03   | 10                    | 02   | 08    | 59     | Dr. N. Dineshbabu |
| 5    | Physics Practicals I            | P16PY15P | 17                   | 14                      | 03   | 17                    | 03   | 14    | 100    | Mr. S. Lucas      |

**Total Pass Percentage : 79.8%**

HOD

PRINCIPAL

**DEPARTMENT OF PHYSICS  
UNIVERSITY RESULTS OF NOV 2018**

**II M.SC PHYSICS BATCH - (2017-2019)  
SEMESTER-III**

| S.No | Subject                       | Sub code | Total no of students | No of students appeared |      | No of students passed | Boys | Girls | Pass % | Handling Staff                            |
|------|-------------------------------|----------|----------------------|-------------------------|------|-----------------------|------|-------|--------|---|
|      |                               |          |                      | GIRLS                   | BOYS |                       |      |       |        |   |
| 1.   | STATISTICAL MECHANICS         | P16PY31  | 11                   | 8                       | 3    | 10                    | 3    | 7     | 90     | Dr. R. Archana                            |
| 2.   | SOLID STATE PHYSICS           | P16PY32  | 11                   | 8                       | 3    | 09                    | 2    | 7     | 81     | Ms. Nandhini.<br>Pon                      |
| 3.   | CRYSTAL GROWTH AND THIN FILMS | P16PYE3  | 11                   | 8                       | 3    | 11                    | 3    | 8     | 100    | Dr. G.<br>Arumugam                        |
| 4.   | NON LINEAR OPTICS             | P16PYE4  | 11                   | 8                       | 3    | 08                    | 1    | 7     | 72     | Dr. P. Sathish<br>Dr. R.<br>Kesavamoorthi |
| 5.   | MAJOR PRACTICAL 3             | P16PY33P | 11                   | 8                       | 3    | 11                    | 3    | 8     | 100    | Dr. R.<br>Kesavamoorthi                   |

**Total Pass Percentage: 88.6%**

HOD

PRINCIPAL

## STUDENT ACADEMIC TOPPERS NAME LIST

### **I B.SC., PHYSICS**

|                     |       |
|---------------------|-------|
| 1. S. VASANTHI      | 85.5% |
| 2. D. JEVIN CHRISTY | 69.5% |

### **II B.SC PHYSICS**

|                 |       |
|-----------------|-------|
| 1. T. ANANDHI   | 85%   |
| 2. T. JUBLIYA   | 82.5% |
| 3. P. ANCY JOSE | 81.5% |

### **III B.SC PHYSICS**

|               |     |
|---------------|-----|
| 1. M.PAVITHRA | 85% |
|---------------|-----|

### **I M.Sc., PHYSICS**

|               |       |
|---------------|-------|
| 1. K. FATIMA  | 72.8% |
| 2. V. ATCHAYA | 72.6% |

### **II M.Sc., PHYSICS**

|                  |     |
|------------------|-----|
| 1. U. INDHUPRIYA | 84% |
|------------------|-----|

## STAFF ACADEMIC ACHIEVEMENTS

**Academic year 2018 – 2019**

### **STAFF 100% RESULT**

| S.No | Class               | Subject                             | Sub code   | Total No. Student | %   | Staff Handled |
|------|---------------------|-------------------------------------|------------|-------------------|-----|---------------|
| 2.   | III B.Sc<br>PHYSICS | ATOMIC AND<br>NUCLEAR PHYSICS       | 16SCCPH6   | 37                | 100 | Mr. V.Suresh  |
| 3.   | III B.Sc<br>PHYSICS | MATERIAL<br>SCIENCE                 | 16SMBEPH11 | 37                | 100 | Mr.S.LUCAS    |
| 4.   | III B.SC<br>PHYSICS | SOFT SKILLS                         | RUGSDC     | 37                | 100 | Ms.A.SHARMILA |
| 5.   | I M.Sc<br>PHYSICS   | CRYSTAL<br>GROWTH AND<br>THIN FILMS | P16PYE3    | 16                | 100 | Dr.G.Arumugam |

### **DOCTORATE AWARDED**

Dr. R. Kesavamoorthi