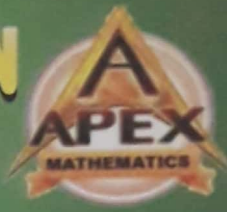




# BON SECOURS COLLEGE FOR WOMEN



NAAC Accredited with 'A' Grade  
(Affiliated to Bharathidasan University,  
Recognized by UGC under section 2(f) & 12(B))  
VILAR BYPASS, THANJAVUR - 613 006

## PG & RESEARCH DEPARTMENT OF MATHEMATICS NEWS LETTER 2018 – 2019

### ABOUT THE DEPARTMENT

The Department of Mathematics has been established in the Academic year 2002, it has been upgraded with PG programme in the year 2005 and has also offered M.Phil. Research Programme from the year 2010. We have sixteen eminent and efficient faculty members and 836 enthusiastic students. The department aims at the overall development of the students by involving them to organize Seminars, participate in cultural events attend the guest lectures given by the experts and to present power-point presentation to uplift the existing standard and also show-case the talents of the students.

### VISION

The vision of the Department is to produce committed, competent, efficient and professionally capable graduates and research scholars in the field of mathematics.

### MISSION

The Department offers high - quality Mathematics with a view of producing good citizens, who would be efficient teachers and high-tech researchers.

### ACTIVITIES OF APEX ASSOCIATION

#### INSTALLATION OF APEX ASSOCIATION

In the beginning of every academic year, Inauguration of Apex Association was held and the Principal introduced the office bearers of the Apex Association on 12.07.2018.





## **MATH STAR'18**

MATH STAR'18 an Intercollegiate Competition was held on 21.08.2018. Auxilium College of Arts and Science for Women, Regunathapuram, won the overall championship.



## **NATIONAL CONFERENCE**

National conference on “Recent Trends In Pure & Applied Mathematics” (NC RTPAM- 19), sponsored by CSIR, was organized on 04.02.19 & 05.02.19. Dr.R.Kalyanaraman, Professor and Dr.Nirmala P Ratchagar, Professor, Department of Mathematics, Annamalai University, Chidambaram, Dr. W. Ritha, Asst. Prof., Department of Mathematics, Holy Cross College(Auto), Tiruchirappalli and Dr.R.Srikanth, Associate Dean, Department of Mathematics, School of Arts, Science & Humanities, Sastra University, Thanjavur.

Dr.A.Venkatesh, Asst. Prof., Department of Mathematics, A.V.V.M. Sri Pushpam College, Poondi, Thanjavur and Dr.A.Tamil Selvan, Professor, Department of Mathematics, Bharathidasan University, Tiruchirappalli were the resource persons. The selected papers have been published in an UGC referred journal "International Journal of Applied Engineering Research".



## **STAFF ACHIEVEMENTS**

- ❖ Dr.M.Gayathri, Assistant Professor, participated in the FDP on “Short Term Course On UGC – capacity Building of Women Managers in Higher Education” organized by Bharathidhasan University, Tiruchirapalli from 24.09.18 to 30.09.18.



❖ Ms.A. Leema Rose, Assistant Professor, participated in the FDP “Promotion Of Api Score And Cas Filing” organized by Periyar E.V.R. College, Tiruchirapalli on 09.01.19.



❖ Ms. M. Anusiya, Assistant Professor, participated in the Workshop “Help at Hand-Strengthening Faculty in Counseling Techniques to Facilitate Gen Z” organized by St. Christopher's College of Education, Chennai from 13.10.18 to 20.10.18.



❖ Dr. M. Gayathri, Assistant Professor, Published 3 papers on “Fuzzy Clustering Techniques Based on Glaucoma Detection Using Computation of CDR”; “Mathematical Modeling in Multi-Seasonal Management of an Agricultural Pest”; and “A General Equilibrium Model of Crime and Punishment” in “International Journal of Applied Engineering Research”(IJAER), ISSN 0973-4562, Volume 14, Number 4, 2019.

❖ 8 Staff members Ms.A. Helen Shobana, Ms.R. Uma Devi, Ms.R. Kanimozhi, Ms.S. Abinaya, Ms.J. Manjula, Ms.K. Kanmani, and Ms.D. Lavanya, participated in the Internal Quality Assurance Cell National workshop on “Assessment and Accreditation of Higher Education Institutions” organized by A.V.V.M. Sri Pushpam College, Poondi, Thanjavur on 25.01.2019

❖ Ms.A.Helen Shobana, Asst.Prof. received “Nation Builder Award” on the occasion of Teacher's day by Rotary International District, Thanjavur.

❖ Ms. S. R. Vidhya , Assistant Professor, participated in the National Level Seminar on “BEST PRACTICES of top NAAC accredited Institutions” organized by Annamalai University & NAAC, Bangalore from 30.01.19 to 31.01.19.



❖ Dr.M.Gayathri, Assistant Professor, published a paper on "A bivariate exponential distribution model for dependent feedback inhibition of pulsatile growth hormone secretion" in an "International Journal of Research and Analytical Reviews", E-ISSN 2348-1269, P-ISSN 2349-5138, Volume 6, Issue 1.



## STUDENTS ACHIEVEMENTS

- ❖ Ms. S. Kowsalya, III B.Sc., Maths participated in the workshop on “Ellanthamizhar illakiyapatrai” organized by “Madurai Tamil Sangam” from 16.07.18 to 22.07.18.
- ❖ Ms. W. Caroline Ceeliya, Ms. J. Asha Priyadarshini, presented a paper in the topic “Transportation Problem in OR” and Ms. B. Kiruthika, presented a paper in the topic “Advanced techniques in OR”, J.J. College of Arts and Science (Autonomous), Pudukottai on 11.09.18 and 12.09.18.
- ❖ Ms. J. Jenifer, II B.Sc., Mathematics won 4<sup>th</sup> prize in Indian Solo song and 5<sup>th</sup> prize in Tamil Group Song. Ms. E. Harshavardhini, II B.Sc., Mathematics, won the 1<sup>st</sup> prize in Poster making in BDU Fest, organized by Bharathidasan University, Trichy on 28.08.18.
- ❖ Ms. A. Arivina and Ms. S. Balashanthi, II M.Sc., Mathematics, won 2<sup>nd</sup> prize and received a cash prize of Rs. 700 for Math Modelling, conducted by St. Joseph's College (Autonomous), Trichy on 27.09.18.
- ❖ Ms. R. Keerthana, III B.Sc., Maths won the 3<sup>rd</sup> prize in Tamil Elocution conducted by Thanjavur District Pakutharivazhar Kalagam on 30.09.18.
- ❖ Ms. B. Bhuvaneshwari, II B.Sc., Maths participated in the event “Rangoli” and secured 1<sup>st</sup> place in VOLS – SPL – 2019, a State Level Intellectual and Cultural Meet, held at Bishop Heber College, Tiruchirappalli on 10.01.19.
- ❖ Ms. P. Preethi & Ms. J. Princy, M.Phil. Maths, Published a paper on “Fuzzy Clustering Techniques Based on Glaucoma Detection Using Computation of CDR” in International Journal of Applied Engineering Research (IJAER) ISSN 0973-4562 Volume 14, Number 4, 2019.
- ❖ Mrs. J. Jesus Jerlin & Ms. P. Keerthika, M.Phil. Maths, Published a paper on “Mathematical Modeling for Multi-Seasonal Management of an Agricultural Pest” in International Journal of Applied Engineering Research (IJAER), ISSN 0973-4562, Volume 14, Number 4, 2019.
- ❖ Ms. S. Leslie Infanta & Ms. J. Ishwarya, M.Phil. Maths Published a paper on “A General Equilibrium Model of Crime and Punishment” in International Journal of Applied Engineering Research (IJAER) ISSN 0973-4562, Volume 14, Number 4, 2019.

### TRAINING FOR RD PARADE AT CHENNAI

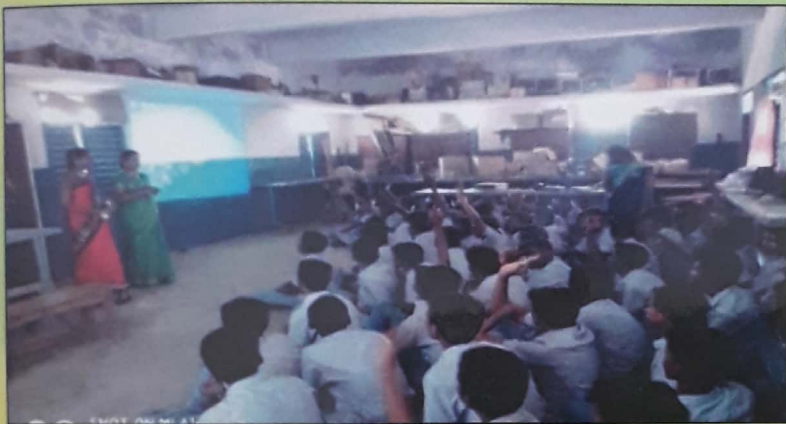
Ms. G. Abinaya III – B.Sc., Mathematics was selected for RD parade at Chennai and underwent training from the date of 17th to 25th January, 2019 and participated in the Republic Day parade on 26th January, 2019 at Chennai in front of the Chief Minister of Tamil Nadu.





## EXTENSION ACTIVITIES

Our department staff Ms.S.Abinaya and Ms.S.R.Vidhya gave an awareness program based on “Applications of Differential Calculus and Integral Calculus” for the school students in U.A.A.T.Higher Secondary School and U.A.V.T Matriculation School at Ammapettai on 13.11.18.



On 14.11.18, our department staff with 11 students went to Siruvar Seirthiruthapalli (Juvenile prison) for Children's Day function and conducted competitions like Singing, Drawing Poetry writing and Games like Filling water and Building blocks. Winners were given prizes. Our Principal Sister insisted the importance of moral values in life to the students. We also planted saplings in that place.



On 11.01.19, our department staff Ms.A.Helen Shobana, Ms.R.Umadevi, Ms.D.Arivuselvi, Ms.R.Kanimozhi and Ms.D.Lavanya went to Panchayat Union School Pottuvachavadi for Pongal Day function. They conducted Games like Filling water, Ball Bursting, Musical chair. Winners were given prizes. Our staff insisted the importance of moral values in life to the students. Also saplings were planted in the premises.



## INDUSTRIAL VISIT

From 14.02.19 to 15.02.19, our III UG and II PG students went for an Industrial Visit to Pondicherry and Chennai and our department members Ms.A.Helen Shobana, Ms.R.Umadevi, Ms.M.Anusiya, Ms.R.Kanimozhi, Ms.S.Abinaya and Ms.D.Lavanya accompanied with students.



**“The Study Of Mathematics, Like The Nile,**



## RANK HOLDERS

For the Academic year 2017- 2018, UG students Ms.V.R.HARIVARSHINI and Ms.B.NITHYA bagged 18<sup>th</sup> rank and 20<sup>th</sup> rank and PG students Ms.G.RACHEL IRENE and Ms.S.YOGITHA got 14<sup>th</sup> rank and 16<sup>th</sup> rank.



14<sup>th</sup> - RANK PG  
G.RACHEL IRENE



16<sup>th</sup> - RANK PG  
S.YOGITHA



18<sup>th</sup> - RANK UG  
V.R.HARIVARSHINI



20<sup>th</sup> - RANK UG  
B.NITHYA

## CENTUM

In the Academic year 2018-2019, Eight UG students got centum marks in their Major papers.



I MATHS 'D'  
A. SAFRIN BANU



II MATHS 'B'  
D.JANSI



II MATHS 'C'  
J.NIVETHA



II MATHS 'C'  
M.MATLIN ROJA



II MATHS 'D'  
D.ROSY FRANKLIN



II MATHS 'D'  
M. SARANYA



III MATHS 'A'  
G.K.ABINAYA



III MATHS 'B'  
F. FARHANA HASIN

## PONGAL CELEBRATION



## I CAN - II PHASE

