

## **BON SECOURS COLLEGE FOR WOMEN**

**Nationally Accredited with 'A++' Grade by NACC in Cycle II**

**Affiliated to Bharathidasan University**

**Recognized by UGC under section 2(f) & 12 (B)**

**Vilar Bypass, Thanjavur- 613 006**

### **APEX ASSOCIATION**



## **DEPARTMENT OF MATHEMATICS**

**NEWS LETTER (2022 - 2023)**

**ODD SEMESTER**



## PTA Meeting

Bon Secours College for women organized the parents Teachers Association meeting on 18.11.2022. All the class mentors meet the parents and got feedback from parents.



## STUDENT ACHIEVEMENT

### University Rank Holders

Our Department students got 10 UG and 13 PG university rank in the university Examination in this academic year.

#### UG



#### PG





A Santhiya of III B.Sc Mathematics 'B' has participated in Debate competition conducted by Bon Secours College for Women, Thanjavur to commemorate the 75 th independence day celebration 'AZADI KA AMRIT MAHOISAV' on 02.08.22 .

K.Priyanka and A.Santhiya of III B.Sc., Mathematics 'B' has participated and won the prize in Round table conference competition conducted by Department of Commerce, Bon Secours College for Women, Thanjavur to commemorate the 75th independence day celebration 'AZADI KA AMRIT MAHOISAV' on 03.08.22 .

V. Kalaivani and S.Jansirani II B.Sc Mathematics successfully completed the "Training of Community Volunteers in Disaster response" under up- scaling of Aapda Mitra Scheme sponsored by the Disaster Risk Reduction Agency, Government of Tamil Nadu in association with National Disaster management Authority(NDMA) was conducted from 10.9.22 to 21.9.22.

M.Aarthi of II M.sc mathematics and A.K. Padhama priya of III B.Sc Mathematics 'A' Participated in the Chess event in SRM University,Trichy on 10.10.2022



The National Adventure Camp was conducted from 6<sup>th</sup> – 15<sup>th</sup> November 2022 in Atal Bihari Vajpayee Institute of Mountaineering and sports Manali.In Bon Secours College for Women, Thanjavur, R.Subasree II B.Sc Mathematics the NSS volunteer participated in the Adventure camp and she received ABVIMAS Badge.

### **Seminar/Workshops/Conferences participated/paper presented by the staff:**

All the members of our Department participated in the two- day online National workshop on "CREATION OF GAME BASED ASSESSMENT" organized by the universal teachers academy, Puducherry on 02.07.2022 – 03.07.2022

Ten Staff members of our department participated in the 5 day FDP on Approaches and "Perspectives in curriculum design, pedagogy and Evaluation for Higher Education "Organized by the Department of Mathematics, Bon Secours College for women, Thanjavur from 11.07.2022 to 12.07.2022

Ten members of our department participated in the two week international FDP on "Research perspectives in mathematics and its Applications" Organized by the Department of Mathematics, Sathyabama Institute of Science and Technology, Chennai, from 4 to July 16, 2022.

Ten faculty members and twenty five students from the department participated the Book fair organised by Thanjavur district collectorate at thanjavur palace on 25.07.2022.

Ten faculty members of the department of mathematics participated in the FDP entitled 'Innovating Education and Educating for innovation'Organized by Internal Quality Assurance Cell, Bon Secours College for women, Thanjavur. on 23.07.2022.



Dr.M. Sheela, Assistant professor of Mathematics gave a Lecture on "Application in Graph Theory" at Rabiammal Ahamed Maideen College for Women, Thiruvavur on 23.09.2022. Final year PG students gained knowledge and ideas for their project work.



Ms.S.Abinaya, Department of Mathematics, has participated in Three days "Faculty Development Program on Idea Generation Methods" held from 26<sup>th</sup> – 28<sup>th</sup> October 2022 organized by Bon Secours College for Women, Thanjavur.



Ms.D.Lavanya, Department of Mathematics, has participated in three days "Faculty Development program on Creative Thinking" held from 17<sup>th</sup> – 19<sup>th</sup> November 2022 organized by Idhaya College for Women, Kumbakonam.



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*DEPARTMENT OF  
MATHEMATICS*

*NEWS LETTER (2022 - 2023)*

*EVEN SEMESTER*





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## DEPARTMENT OF MATHEMATICS NEWS LETTER ( 2022 – 2023 ) EVEN SEMESTER

### 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 615 enthusiastic students. The Department aims at the overall development of the students by involving them to organizes Seminars, Participate in cultural events, attend the Guest Lecturers 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.

### National Mathematics Day

The department celebrated the birth anniversary of Srinivasa Ramanujan as National mathematics Day on 20.12.2022. On that day the Department organized a seminar.

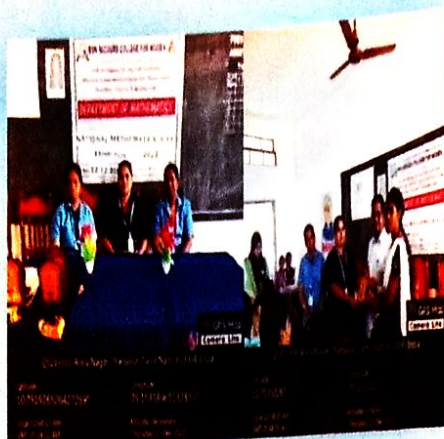
Seminar was inaugurated by Dr S. Gayathri, principal and Dr. M. Sheela, Head of the department introduced the chief guest Dr. B. Mohamed Harif, Assistant Professor of

Mathematics, Raja Serfoji Govt.Arts College (Autonomous), Thanjavur was the resource person. He Gave a lecture on “The Purpose of Mathematical Science” He Spoke about Ramanujan’s history, Ramanujan Numbers and then covered the application of coding theory and graph theory Mathematical Modeling. The students were enriched through his resourceful talk.





## $\pi$ Rates Exhibition



$\pi$  Rates Exhibition was conducted on 22.12.2022. The final UG students and PG students participated in the events. Models and Posters were presented by the students. The Resource person Ms .S. Usha, M. Sc., M.Phil., M.Ed Assistant professor in Education, Bon Secours College for Education appreciated the participants and felicitated the prize winners.

## Samadhuva Pongal Celebration

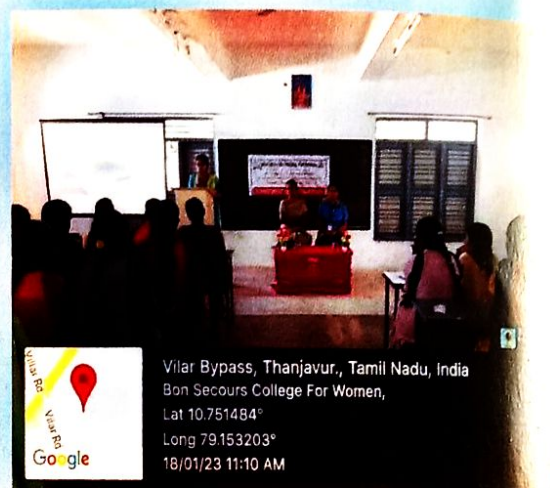
The College celebrated the Pongal festival on 13.01.2023. Students actively participated and shared traditionally cooked , food and happiness with everyone.



## IPR Programme entitled “ Patenting Mathematical Methods”

The department conducted an IPR Programme entitled “ Patenting Mathematical Methods” on 18.01.2023. The final UG students and PG students participated in the programme. Dr.Vijayalakshmi ,Assistant Professor, Department of Statistics Applied mathematics, Central university of Tamil Nadu ,Thirvarur delivered on a lecture the various methods in Mathematics by starting with the Definition , application and also explained about pattern which is a repeated arrangement number, shapes, colours and so on.

A Seminar on Differential Equation and Analytical Geometry was organised on the Resource person Dr. M.Suganthi Mariyappan, Assistant Professor, Department of Mathematics Raja Serfoji Government arts College (Autonomous),Thanjavur gave a lecture for the first year students.



## Workshop on Fundamentals of LaTeX

The department conducted a workshop on Fundamentals of LaTeX on 08.02.2023 for the PG students. The resource person Mr.S. Riyasdeen, Assistant Professor, Department of Mathematics, Khadir Mohideen College ,Adirampattinam ,Tamil Nadu delivered a lecture on the Introduction to LaTeX for the First PG Students. The students gained knowledge on the concepts and ideas with





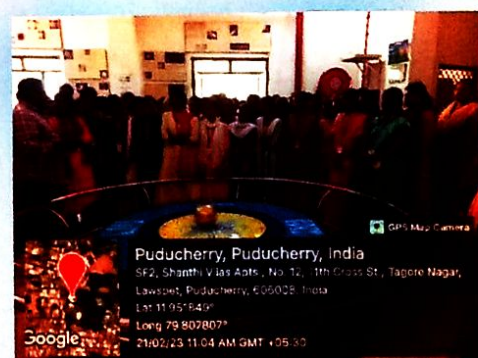
regard to the Fundamentals of LaTeX.

## Faculty Development Programme

The FDP was organised from 20.02.2023 to 24.02.2023 on “Applicability of Mathematical Sciences at Global Context” in the google platform. The first day Resource person Dr.H.S.Ramane, Professor of Mathematics, Karnatak University Dharwad, Karnataka delivered a lecture on Laplacian Energy of Graphs. The second day Resource person S.Riyasdeen, Assistant Professor, Department of Mathematics, Khadir Mohideen College, Adirampattinam, Tamil Nadu gave a lecture about Introduction to LaTeX. In the feedback session most of the faculty clear their doubts, The third day resource person Dr. Madhumangal Pal, department of Applied mathematics with Oceanology and computer programming, Vidyaagar, University, Midnapore, West Bengal, India delivered a lecture on algorithmic Graph Theory. The fourth day resource person Dr. B.Rushi kumar, Professor of Mathematics, School of Advanced Science, VIT, Vellore, Tamil Nadu took the session Mathematical Sciences in india by 2030. The fifth day resource person Dr.A.Tamilselvan, Professor & Head Department of Mathematics, Chair, School of Mathematical Sciences, Bharathidasan University, Tiruchirappalli gave lecture about Few application of differential Equations,

## Industrial Visit

The students and the Faculty members visited the Dr. A. P. J. Abdul Kalam – Puducherry Science Centre & Planetarium on 21.02.2023.



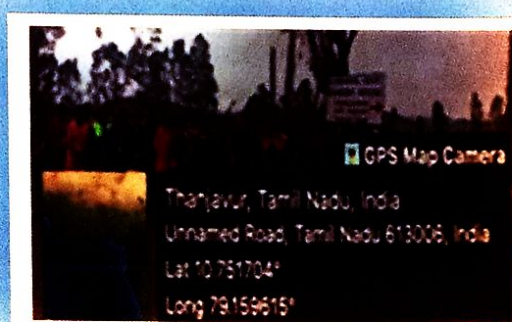
## Intercollegiate Competition Math Star'22

The department conducted a National level Intercollegiate competition on 27.03.2023. The events such as Math Quiz, Math mind, dumd charades, Math Rangoli, Math Model Math paper presentation, Math Poster Making were conducted and the winners were honoured. Various college students participated and exhibited their talents. The overall championship was won by A.V.V.M Sri Pushpam College (Autonomous) Poondi.



## Field Visit

Department of Mathematics of Bon Secours College for Women organised the field visit to Kodaikanal on 21.03.2023. Seventy Three students and three faculties participated in the field visit. They went to Solar Observatory museum, silver falls and botanical garden and acquired more knowledge related to their studies.





## National Conference

National Conference was Organized by the department of Mathematics and Computer science entitled "Machine Intelligence & Smart Systems(NCMISS 2K23) on 05.4.23 at sesquicentenary Auditorium . The speaker was Dr. SSN Perera, Head Department of Mathematics, University of Colombo, Colombo,Srilanka.He delivered a lecture on Machine learning in Marketing. In the fourth session the resource person, Dr. Sishaj P Simon, Professor, Department of Electrical and Electronic Engineering,NIT,Trichy, gave a lecture on Machine learning Techniques for Decision Making.

## STAFF ACHIEVMENTS



Dr.M.Sheela and Ms.S.R.Vidhya Assistant Professor of Mathematics attended the faculty Development programme under the Naan Mudhalvan Scheme at Bharathidasan university from 30.01.2023 to 03.02.2023

Ms.M.Anusiya, Assistant Professor of Mathematics Received the "Best NSS Programme officer Award 2019 - 2020" award from Bharathidasan University.



Dr.P.Gomathy,Assistant Professor of Mathematics along with two students S.Kalaiselvi and M.Surthika of I M.Sc Mathematics attended the ICT conference at trade centre, Chennai from 23.3.23 to 24.3.23.

## STUDENTS ACHIEVMENTS



Aiman College of Arts and Science for Women, Trichy Organised an Intercollegiate Cultural Meet 2023 on 04.03.2023. J. Joan Stefina (I M.sc Mathematics) -I prize won the first prize in the singing competition. The students of Mathematics participated and won prizes in various events.



Department of Mathematics, Bon Secours Arts and Science College for women, Mannargudi conducted a National level intercollegiate competition Mathlets technical Meet 2023 on 06.03.2023. The students participated and won prizes. R. Jayasree, and R. subasree II B. Sc Mathematics, won the first prize in the Math Mind event.. R. subasree-. II B.Sc Mathematics won the second prize in the Slogan writing event. S.Saratha and J.Supriya of I B.Sc Mathematics won the third prize in the Poster Making and Drawing competition.



Bishop Heber College, Trichy Organised an Intercollegiate competition MAGMA-2023 Events on 09.03.2023. The students participated and won prizes.



A.V.V.M Sri pushpam College (Autonomous), Poondi, Thanjavur Organised the intercollegiate competition. The students participated and won the prizes in various events from the department of mathematics.

Tamil Nadu Higher Education department conducted the intercollegiate competition among the Autonomous, non Autonomous, Government, Self Financing Institution. R. Jayasree, R. Subasree of II B. Sc., Mathematics Participated in the Katturai and Kavithai Competition. on 15.03.2023.

Sengamala Thayaar Educational Trust women's College(Aut) organised an National Conference on Contemporary Mathematics and its Application on 24.03.2023. S. Ishwarya, D. Keerthana, S. Kabisri, S. Kanaga, A. Evangeline Sheeba and S. Vimala Christy of II M.Sc Mathematics Participated in the Conference and presented their Papers

