

**PG & RESEARCH DEPARTMENT OF MATHEMATICS**

**ANNUAL REPORT (2019-2020)**

Department of Mathematics was inaugurated in 2010 with 2 faculties and 13 students. The PG program was started in 2014 and the M.Phil Program was started in 2016. Now there were 11 faculties and 197 students with 3 M.Phil scholars, 40 PG students and 154 UG students.

**Department Staff Meeting**

The HOD and the staff members meet to discuss the academic and co-curricular performance of the students and their needs for twice in a month.

**Parents –Teachers Meeting**

Every semester we were conducting two parents –Teacher Meeting for UG and PG students regarding cycle test, attendance and University Results performance.

**Mentoring Program**

Every semester we were conducting two Mentoring Program for UG and PG students about their Internal and External Activities.

## **ABEL'S ASSOCIATION MEET**

A one-day seminar on "Abel's Association Meet" was organized at the hall B on Monday, 29th July 2019 at Annai Vailankanni Arts And Science College, Thanjavur. The seminar was taken by Dr. A. Venkatesh Assistant Professor of Department of Mathematics A.V.V.M. SriPushpam College, Poondi, Thanjavur. He taken seminar about "Applicable Mathematics" .

Dr. A. Venkatesh presented, How Mathematics applied in each and every field. And how it works in day-to-day life and about common usage of Mathematics. He said that Maths applied in Sports, Construction, Science, Buildings, Shops, etc., Mathematics play important role in some kind of fields like, Medical, Engineering, Science & Technology, Bio-Medical etc., Basic maths used in Cooking, Traveling, Working, Time Management, Designing, Gaming.

Later he explain about some topics like Calculus, Geometry, Trigonometry, Algebra, Statistics, Graph Theory, Operation Research and How they used in real life. From Calculus we can find area of object using integration and using differential we can differentiate speed of vehicle. Geometry used in construction works. Trigonometry used for, to find height of the buildings, and for navigation. Algebra used to find structure, relation, quantity. Statistics used for analysis, collection, interpretation, presentation of data. Graph Theory play important role in Railways. Operation Research applying advanced analytical methods to help make better decisions. And also used in both Airways and in Railways. And maths used for Banking Practice. Operation Research used in Hospital Management. Numerical methods in Engineering, Statistics in Engineering, Optimization in Engineering, and Linear Algebra in Engineering are some of the topics related to mathematics in Engineering. By this seminar section students get more knowledge about basic maths applied in real life and it is useful for them in their studies.



## **AN INTERCOLLEGIATE COMPETITION-MATH GENIUS**

A one-day intercollegiate competition on MATH GENIUS was organized by PG & RESEARCH DEPARTMENT OF MATHEMATICS on Thursday, 19<sup>th</sup> September 2019 at ANNAI VAILANKANNI ARTS AND COLLEGE, THANJAVUR. We are thankful to our correspondent Rev. Fr. Dr. S. Sebastin Periyannan and our Administrator Rev. Fr. Dr. S. Arockia Doss for grant us permission to conduct this event. And our beloved principal Dr. S. Suresh encourage us to conduct this event. In the morning session inaugural ceremony were conducted. The welcome address given by Prof. N. Jaimaruthi. Inaugural ceremony begins with welcome dance by our department students.

A one-day intercollegiate competition on MATH GENIUS contains a five following events, namely,

- Math Paper Presentation - Dr. G. Marimuthu, Associate Professor in Mathematics, A.V.V.M. Sri Pushpam College, Poondi.
- Math Poster Presentation - Dr. M. Goperundeivi, Assistant Professor in Mathematics, K.N.G. Arts College for Women, Thanjavur.
- Math Model - Dr. A. Hariganesh, Assistant Professor in Mathematics, Poombuhar College, Melaiyur.
- Math Quiz - Dr. G. Sivakumar, Assistant Professor in Mathematics, A.V.V.M. Sri Pushpam College, Poondi.
- Math Rangoli - Prof. P.L. Nandhini, Assistant Professor in Mathematics, Bharath College of Science and Management, Thanjavur.

In the afternoon session there were prize distribution for the winners in the above events.

Vote of thanks were given by Dr. M. Senbagavalli.



Nov.15,2019 YouCam



## Seminar

We conducted one day national seminar on advances in mathematical modeling through optimization techniques & differential equations on 6th march – 2020. In the first session, the chief guest Lt. Dr. A.Edward Samuel, Associate NCC officer & assistant professor in mathematics, government arts college (autonomous) kumbakonam gave a lecturer on “optimization techniques – a modern perspective” . In the afternoon session Dr. A.TamilSelvan, professor & head, chair, school of mathematical sciences, Bharathidasan University, Thiruchirapalli delivered a lecturer on “mathematical modeling through differential equations”. In the final section poster & oral presentation conducted for the students. The students from various colleges took actively participated in the seminar.



## UNIVERSITY RANK:

Our UG student **E.MEERA SUNDARI** secured 20<sup>th</sup> university rank among Bharathidasan University affiliated colleges.

## Inter Collegiate College Competitions in Other Colleges

S.NO	NAME OF THE STUDENT	PROGRAMME/ORGANIZED BY	COMPETITION	PRIZE	DATE
1.	K.ELAKIYA II B.Sc MATHS	Creating awareness on Road Safety conducted by Government of Tamilnadu Transport Department and Lions club of thanjavurVasandham	Drawing	III	09.01.2020
2.	B.TAMILPRIYA	Inter Collegiate Math Contest organized by Sri Pushpam Integrated Mathematical Association Festival,AVVM Sri Pushpam College	Math Rangoli	Participated	27.02.2020
3.	G.ATCHAYA ATHAVI	Inter Collegiate Math Contest organized by Sri Pushpam Integrated Mathematical Association Festival,AVVM Sri Pushpam College	Math quiz	Participated	27.02.2020
4.	B.HOLOH FRANCINA	Inter Collegiate Math Contest organized by Sri Pushpam Integrated Mathematical Association Festival,AVVM Sri Pushpam College	Math Poster	Participated	27.02.2020
5.	J.SNEKA INIYA	Inter Collegiate Math Contest organized by Sri Pushpam Integrated Mathematical Association Festival,AVVM Sri Pushpam College	Math Fun	Participated	27.02.2020
6.	M.THASENIMA	Inter Collegiate Math Contest organized by Sri Pushpam Integrated Mathematical Association Festival,AVVM Sri Pushpam College	Math Fun	Participated	27.02.2020
7.	L.KODIYARASAN	Inter Collegiate Math Contest organized by Sri Pushpam Integrated Mathematical Association Festival,AVVM Sri Pushpam College	Math Model	I	27.02.2020
8.	J.SHARMILA JESSIE IGNATIA	Inter Collegiate Math Contest organized by Sri Pushpam Integrated Mathematical Association Festival,AVVM Sri Pushpam College	Math Quiz	Participated	27.02.2020
9.	C.DHIVYA	International conference on Pure and Applied Mathematics organized by PG and Research Department of Mathematics ,Idhaya college for women,Kumbakonam.		Participated	11.01.2020
10.	M.SRISHANMUGAP RIYA	International conference on Pure and Applied Mathematics organized by PG and Research Department of Mathematics ,Idhaya college for women,Kumbakonam		Participated	11.01.2020

11.	G.PRIYA	International conference on Pure and Applied Mathematics organized by PG and Research Department of Mathematics ,Idhaya college for women,Kumbakonam		Participated	11.01.2020
12.	T.GAYATHRI	International conference on Pure and Applied Mathematics organized by PG and Research Department of Mathematics ,Idhaya college for women,Kumbakonam		Participated	11.01.2020
13.	J.SHARMILA JESSIE IGNATIA	International conference on Pure and Applied Mathematics organized by PG and Research Department of Mathematics ,Idhaya college for women,Kumbakonam		Participated	11.01.2020
14.	M.INDHUMATHI	One day intercollegiate math carnival organized by Department of Mathematics, DharmapuramAdhinam Arts College,Mayiladuthurai	Math Model	Participated	11.01.2020
15.	J.SHARMILA JESSIE IGNATIA	One day intercollegiate math carnival organized by Department of Mathematics, DharmapuramAdhinam Arts College,Mayiladuthurai	Math Quiz	II	02.03.2020
16.	B.TAMIL PRIYA	One day intercollegiate math carnival organized by Department of Mathematics, DharmapuramAdhinam Arts College,Mayiladuthurai	Math Rangoli	Participated	02.03.2020
17.	S.KAMALADEVI	One day intercollegiate math carnival organized by Department of Mathematics, DharmapuramAdhinam Arts College,Mayiladuthurai	Math Suduko	Participated	02.03.2020
18.	E.KANIMOZHI	One day intercollegiate math carnival organized by Department of Mathematics, DharmapuramAdhinam Arts College,Mayiladuthurai	Math Quiz	II	02.03.2020
19.	R,MONIKA	One day intercollegiate math carnival organized by Department of Mathematics, DharmapuramAdhinam Arts College,Mayiladuthurai	Math Rangoli	Participated	02.03.2020
20.	R.VISWAPREETHA	One day intercollegiate math carnival organized by Department of Mathematics, DharmapuramAdhinam Arts College,Mayiladuthurai	Paper Presentation	III	02.03.2020
21.	B.HOLOH FRANCINA	One day intercollegiate math carnival organized by Department of Mathematics, DharmapuramAdhinam Arts College,Mayiladuthurai	Paper Presentation	III	02.03.2020
22.	V.KARTHIKA	National seminar organized by Department of Mathematics,	Paper Presentation	II	19.02.2020

		Bharath college of science and Management,Thanjavur			
23.	R.SHREE CHARULATHA	National seminar organized by Department of Mathematics, Bharath college of science and Management,Thanjavur	Paper Presentation	III	19.02.2020
24.	J.SNEKA INIYA	National seminar organized by Department of Mathematics, Bharath college of science and Management,Thanjavur	Paper Presentation	III	19.02.2020