

**DEPARTMENT OF MATHEMATICS (AIDED)**

**REPORT**

**DEPARTMENT ACTIVITIES 2018-2019**

<b>S.No</b>	<b>Date</b>	<b>Particulars</b>	<b>Resource Person</b>	<b>Topic</b>
1	02.07.2018	Mentor Meeting	Dr.UthayaKumar Professor and HOD Department Of Mathematics Gandigram Rural University,Gandigram.	Various topics of Research
2	03.08.2018	Association Meeting	Dr.Thilagavathy (Rtd) Professor, Kongunadu College of Arts and Science,Coimbatore	Applications of Mathematics
3	5.10.2018	Guest Lecture	Ms.Neta Bhupatrai Founder, Udaan Technologies,Coimbatore.	Career Orientation
4	8.10.2018	Guest lecture	Mr.R.Kuppusamy, (Retd) Observer, Vainu Bappu Observatory, Kavalur,Vellore	Stars at a glance
5	10.10.2018	Guest Lecture	Prof.Palanisamy, Department of Mathematics, Amrita University, Coimbatore	Prelude to Linear Algebra
6	11.10.2018	Guest Lecture	Dr.P.Rajarajeswari, Assistant Professor in Maths,Chikkanna govt Arts College,Tirupur.	Applications of Mathematics
7	16.10.2018	Hands on Training	Mr.R.Saravana Kumar, Ex-Director,Cognizant Technolgy Solutions,Coimbatore	Soft skills for Success
8	29.10.2018- 03.11.2018	Hyderabad	Educational Tour	
9	27.11.2018	FDP	Dr.G. Satyavathy, Associate Professor of Computer Science,	Google Docs, Online Book Publishing, KAHOOT apps

			Sri Ramakrishna College of Arts and Science for Women, Coimbatore	
10	01.12.2018	Solar Observatory, Kodaikanal	Field Trip	Solar System
11	13.12.2018	Ramanujan Day celebrations- Inter Departmental	Department	Inter Departmental Competitions- Connections and Dumb Charades
12	14.12.2018	Ramanujan Day celebrations- Intra Departmental	Department	Intra Departmental Competitions- Paper Presentation, Math Modelling and Rangoli
13	20.12.2018	Ramanujan Day celebrations-	Dr.Smiles Mascarehnas Dean, CIET Coimbatore.	Intercollegiate- MATHINFOQUEST
14	08.01.2019	Guest Lecture	Dr.Jeyakumar, Assistant Professor, Government Arts College, Coimbatore	Mathematical Modelling
15	11.02.2019	Mentor Meeting(DBT)	Dr.R.Uthayakumar, Prof & Head, Gandhigram Rural institute, Gandhigram	
16	13.02.2019	Guest Lecture(DBT)	Dr.G.Thangaraj, Professor and Head of Mathematics, Thiruvalluvar University, Vellore	Fuzzy Topology(DBT)
17	13.02.2019	Guest Lecture(DBT)	Dr.M.Suvinthra, Assistant Professor, Bharathiar University, Coimbatore	Fundamental matrices and its applications in Control Theory(DBT)
18	13.02.2019	Guest Lecture(DBT)	Mrs.R.K.Gayathri Devi, Assistant Professor, Bishop Ambrose College, Coimbatore	Time Management(DBT)
19	14.02.2019	Guest Lecture(DBT)	Dr.P.Senthil Rajkumar, Secretary, Dr.P.G.V.Matriculation Higher secondary School, Coimbatore	Self Confidence(DBT)
20	14.02.2019	Guest Lecture(DBT)	Dr.K.Indirani, Retired Associate Professor & HOD, Nirma la College for	Vedic Mathematics(Autonomy Fund)

			Women, Coimbatore	
21	14.02.2019	Guest Lecture(DBT)	Rev.Fr.Bharath Jeyaraj & Mr.John Kennedy.M, Salesian Priest & Social Worker, Don Bosco Anbu Illam,Coimbatore	Set up your Calculus(DBT)
22	19.02.2019	I B.Sc Mathematics	Sakthi Sugars, Appa Koodal,Erode	
23	06.03.2019	Valedictory	Mr.Ruban Clement, Scripture Union and field Staff child service Machine	Challenges faced by the youth

#### Pass Percentage

UG (2015-2018) – 100%

PG (2016-2018) – 93.93%

#### MOU

1. YRSK Technologies ( Enhancing Technical Excellence) on 4<sup>th</sup> December 2015 for a period of five years.
2. Ms. Nita Bhupathrai, Udaan Technologies, Coimbatore on 18.07.2018 for a period of five years.

#### Workshops and Seminars Organized

Year	Date	Topic	Resource Persons	Event
2018	12.10.2018 - 13.10.2018	Advanced Excel	Ms. Nita Bhupathrai, Udaan Technologies, Coimbatore	Workshop
2019	07.01.2019	LATEX	Dr,Malika Arjun Assistant Professor of Mathematics, CBM College, Coimbatore	Workshop
2019	19.01.2019	Data Analysis in PYTHON	H.Mohammed Yaqoob Human Recruitment and Project Manager, Codescripti	Workshop
	24.01.2019	Hands on training on	Ms. Nita Bhupathrai, Udaan Technologies,	Hands on training(DBT)

		R-Language	Coimbatore	
	01.02.2019	Lecture Workshop on Differential Equations	Dr.K.Karupiah, Assistant Professor, Department of Mathematics, Government College of engineering, Bodinayakanur	Lecture Workshop(DBT)
	02.02.2019	Symposium on Analysis	Dr.K.Karupiah, Assistant Professor, Department of Mathematics, Government College of engineering, Bodinayakanur	Symposium(DBT)
	04.02.2019	Workshop on Python	Ms. Nita Bhupathrai, Udaan Technologies, Coimbatore	Workshop(DBT)
	16.02.2019	Hands on training on Content Development using office automation tools	Ms.Jansi Rani, Assistant Professor & HOD, Department of Information Technology, Nirmala College for Women, Coimbatore	Hands on training(DBT)
	21.02.2019	One day National Seminar On “Recent Trends in Graph Theory” (RTGT 2019)	<p>1. <b>Dr. R. Kala,</b> Professor, Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli – 627 012</p> <p>2. <b>Dr. Sr. K. A. Germina</b> Associate Professor, Department of Mathematics, Central University of Kerala, Kerala.</p> <p>3. <b>Dr. Radha Iyer</b> Assistant Professor of</p>	National Seminar

			Mathematics, Amrita School of Engineering, Coimbatore	
	02.03.2019	Lecture workshop on Complex Analysis	Dr.Gnanaprakasam Assistant Professor of Mathematics Government Polytechnic College, Madurai	Lecture Workshop(DBT)
	02.03.2019	Big Data Analytics	Dr.S.Kannimuthu Associate Professor of Information Technology Karpagam College of Engineering, Coimbatore.	Hands on training(DBT)
	02.03.2019	Document Preparation	Mrs.Ann Usha Mangalam Assistant Professor and Head Department of Computer Science Nirmala College for women, Coimbatore.	Hands on training(DBT)
	04.03.2019	Faculty Development Programme	Dr.G.Satyavathy, Associate Professor of Computer Science, Sri Ramakrishna College of Arts and Science for Women, Coimbatore	Faculty Development Programme(DBT)

Enrollment of students for Online or diploma courses.

1. II M.Sc students – SWAYAM- Numerical Analysis – 34 students
2. III B.Sc Students – SWAYAM – Probability and Statistics – 48 students
3. I M.Sc Students- PGDOR- 30 students

Grants from UGC and funds from various agencies.

DBT – Rs. 2,00,000 (2018-2019)

Number and details of students receiving various scholarships – Applied and not yet received

Club activities organized with their themes.

1. Astronomy Club – Astronomy helps us to understand astrophysical processes and systems, ranging from our own sun to stars, galaxies and the whole universe. It also helps us to develop a professional intuition and overall understanding which enables to present and discuss professional topics, results and uncertainties

2. Sneha Positive faces- To support and extend a helping hand to the AIDs affected people.(2018-2019)

Extension Activities and best practices of the department

1. Best Practice – “Advanced Learning Technologies in Mathematics”

2. Extension activities

(i) Coaching Classes to VI to X students at Kangeyampalayam.

(ii) Visiting oldage homes, orphanages and interact with the inmates.

Village adoption Activity details

- Twenty students of our Department along with two staff members visited Kangeyampalayam village and help the eight and ninth standard students to clear the doubts in Mathematics on 28.07.2018
- Ten students of our department along with two staff members visited Kangeyampalayam village and help the ninth standard students to clear the doubts in Mathematics on 07.09.2018

Details of Minor projects

- III UG students doing group projects under DBT
- Viva for III UG students on 06.03.2019

## **STUDENTS DETAILS**

Students special achievements

1. Nine students participated in Statistics Day held at TNAU, Coimbatore on 29.06.2018.
2. Seventeen students participated in SOLSTICE 18 held at Sri Ramakrishna Mission

Vidyalaya College of Arts and Science on 07.09.2018.

3. Two students participated in MATHFEST State Level Intercollegiate held at Dr.N.G.P Arts and Science College and won Second Prize on 19.09.2018.
4. One student is placed in Cognizant.
5. One student is placed in Senthil Educational Institution.
6. Eight students participated and two students won First prize in PPT held at KG College of Arts and Science on 05.01.2019.

#### Papers presented and Published

1. Seven Students have published research papers in International Journals.
2. Nineteen students have presented papers in International Conferences.
3. Twenty four students have attended and three student have presented papers in national level seminars.
4. Three students have attended State level Seminars.
5. Fifteen Students have attended open Access E-Resources for Research and INFILBNET

#### Fellowships earned

Maulana Azad National Fellowship @ Rs.25,000/- per month for initial two years(JRF)

#### **FACULTY DETAILS**

Regional, State, National, International Conferences, Workshops, Symposiums or Seminars attended.

- Dr.A.Sahaya Sudha, Dr.M.Trinita Pricilla and Dr.K.Mohana attended a programme on Outcome Based Teaching-Learning conducted by the IQAC of our College on 22.06.2018 - 23.06.2018
- Dr.U.Mary attended a national seminar on “Dismantling the glass ceiling- A paradigm to senitize untrammed and empower” and acted as a chairperson for a session at salem on 18.08.2018

- All the staff members attended the Nirmala Annual Research Congress on 13.10.2018.

Papers presented and published.

Staff members have published 42 papers in Reputed International Journals.

M.Phil produced during the academic year

S.No	Name of Supervisor	Department	Candidate	Details of Part Time/ Full Time Scholars	Date of Completion
1.	Dr.K.Mohana	Mathematics	Anitha.S	Full Time	04.01.2019
2.	Dr.U.Mary	Mathematics	Selvakumar.M	Part Time	10.01.2019
3.	Dr.K.Julia Rose Mary	Mathematics	Christy Jenifer.J	Full Time	10.01.2019
4.	Dr.K.Julia Rose Mary	Mathematics	Jishamol.A.C	Full Time	10.01.2019
5.	Dr.A.Sahaya Sudha	Mathematics	Elizabeth Priyanka.M	Full Time	10.01.2019
6.	Dr.A.Sahaya Sudha	Mathematics	Kalaiselvan.S	Part Time	22.02.2019
7.	Dr.A.Francina Shalini	Mathematics	Narmadha.K	Part Time	22.02.2019
8.	Dr.K.Julia Rose Mary	Mathematics	Maria Remona.J	Part Time	07.03.2019
9.	Dr.A.Francina Shalini	Mathematics	Angelin Tidy.	Part Time	07.03.2019
10.	Dr.F.Nirmala Irudayam	Mathematics	Gokilalakshmi.M	Part Time	07.03.2019
11.	Dr.M. Trinita Pricilla	Mathematics	Kalaivani.M	Part Time	07.03.2019

Ph.D produced during the academic year

S.No	Name of the Candidate	Name of Supervisor	Department	Month and Year of Registration	Title of the Thesis	Date of Viva-Voce
1	Shalini.S.B	Dr.K.Indirani	Mathematics	July 2015	A study on Nano generalized	14.06.2018



					$\beta$ –closed sets and maps in Nano Topological Spaces	
2	Maria Presenti.L	Dr.A.Arockia Lancy	Mathematics	July 2016	Contribution to the study on vague sets and its applications	11.02.2019
3	Subhasini	Dr.K.Indirani	Mathematics	July 2015	Separation Axioms on $\hat{\mu}\beta$ -closed sets in various types of topological spaces	13.02.2019

#### Training Programmes /FDP attended

Year	Date	Topic	Resource Persons	Event	No of Beneficiaries
2018	27.11.2018	Google Docs, Online Book Publishing, KAHOOT apps	Dr.G.Satyavathy, Associate Professor of Computer Science, SriRamakrishna College of Arts and Science for Women, Coimbatore	Faculty Development Programme	Two staff attended

#### Academic contribution outside our college

S. No	Date	Name of faculty	Department	Nature of work	Work done for
1	05.06.2018	Dr.U.Mary	Mathematics	Board of Studies	CMS college of Science and Commerce
2	25.06.2018	Dr.K.Julia rose Mary	Mathematics	M.Phil Exam Valuation	Bharathiar University
3	11.07.2018	Dr.U.Mary	Mathematics	DC Meeting	Government Arts College
4	19.07.2018	Dr.U.Mary	Mathematics	DC Meeting	Government Arts College
5	31.08.2018	Dr.U.Mary	Mathematics	Guest Lecture	VLB Janakiammal College
6	27.07.2018	Dr.A.Sahaya Sudha	Mathematics	Subject expert for DC Meeting	Bharathiar University

7	23.08.2018	Dr.A.Sahaya Sudha	Mathematics	Guest Lecture	Kovai Kalaimagal College of Arts and Science
8	28.08.2018	Dr.U.Mary	Mathematics	Online Viva- Voce examiner	ANJAC,Sivakasi
9	19.09.2018	Dr.K.Julia Rose Mary	Mathematics	Guest lecture	Krishnammal College of Arts and Science
10	28.09.2018	Dr.A.Sahaya Sudha	Mathematics	Question paper Scrutiny Board Member	Dr.N.G.P Arts and Science College
11	10.10.2018	Dr.U.Mary	Mathematics	External Examiner	Sri Jayendra Saraswathi College,Coimbatore
12	11.10.2018	Dr.K.Mohana	Mathematics	External Examiner	Sri Krishna College of Arts and Science
13	15.10.2018	Dr.A.Sahaya Sudha	Mathematics	Guest Lecture	V.L.B Janakiammal College of Arts and Science
14	23.10.2018	Dr.U.Mary	Mathematics	Question paper Scrutiny Board Member	Dr.N.G.P Arts and Science College
15	30.10.2018	Dr.U.Mary	Mathematics	Viva-Voce Examiner	Sree Narayana Guru College,Coimbatore
16	01.11.2018	Dr.U.Mary	Mathematics	Viva-Voce Examiner	PSG College of Arts and Science College,Coimbatore
17	17.11.2018	Dr.U.Mary	Mathematics	Board of Studies	Hindhusthan College of Arts and Science
18	30.11.2018	Dr.U.Mary	Mathematics	Board of Studies	Sri Ramakrishna College of Arts and Science
19	04.01.2019	Dr.U.Mary	Mathematics	M.Phil Exam Valuation	Bharathiar University
20	08.01.2019	Dr.U.Mary	Mathematics	M.Phil Exam Valuation	Bharathiar University
21	27.02.2019	Dr.K.Julia Rose Mary	Mathematics	Guest Lecture on Applications of Operation Research	KG College of Arts and Science

