

STAFF PROFILE



1. Name: Dr. Sabarmathi A.
2. Designation: Assistant Professor
3. Qualification: M.Sc., M.Phil., Ph.D., SET

Cleared SET in Mathematics (SET-State Eligibility Test)				
Course Studied	Name of Institution	Year of Passing	Percentage of Marks	Class Obtained
Ph.D Mathematics	VIT University	2015		
M.Phil Mathematics	Loyola College, Chennai - 34	2004	87%	First Class with Distinction
M.Sc.Mathematics	Stella Maris College, Chennai - 86	2003	91%	GOLD MEDALIST First Class with Distinction
B.Sc Mathematics	Auxilium College, Katpadi, Vellore – 6	2001	80%	First Class
XII std	St.Anne's Girls Higher Secondary School, Chetpet, T.V.M.Dt	1998	89%	SCHOOL TOPPER First Class with Distinction
X std	St.Anne's Girls Higher Secondary School, Chetpet, T.V.M.Dt	1996	88%	SCHOOL TOPPER First Class with Distinction

Technical Qualification:

CCA (Certificate in Computer Applications)	LIBA, Loyola College, Chennai – 34	September 2003 to April 2004	First Class with Distinction
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4. Mobile number: 9443583580

5. E-mail id: sabarmathi.a@gmail.com

6. Teaching Experience: 17+ years

Designation	Institution & Place	Date of Joining	Date of Leaving	No. of Years
Assistant Professor	Auxilium College (Autonomous), Vellore.	16.06.2016	Till date	5+ Years
Assistant Professor	VIT University, Vellore.	04.06.2009	31.05.2016	7 Years
Mathematics Lecturer	R.M.K Engineering College, Kavarai pettai, Thiruvalluvar Dt.	29.06.2006	30.05.2009	3 Years
Mathematics Lecturer	Sri Ram Engineering College, Perumalpattu, Thiruvalluvar Dt.	14.06.2004	21.06.2006	2 Years

7. Area of specialization: **Differential Equations/ Mathematical Ecology/ Mathematical Epidemiology**

8. Research Experience and Guidance:

S. No.	Research Course	Name of the Scholar	Title of the Thesis	Year of Completion
1.	M.Phil.	LAKSHMI M.	Mathematical Modelling Analysis On Neural Network Systems	2019
2.	M.Phil.	GOMATHY G.	A Study On Creeping Flow Of Various Fluids	2020
3.	Ph.D.	NAGA SOUDARYA LAKSHMI V.S.V.		Pursuing
4.	Ph.D.	AMALARATHINAM A.		Pursuing
5.	Ph.D.	PRIYA P.		Pursuing

9. Projects Completed / Ongoing: Nil

10. No. of Papers Published: 16

11. No. of Papers Presented in the National/International/Seminars/Workshops/Conferences: 8

12. No. of Seminars/Workshops/Conferences organized: 5

13. No. of Books Published/Edited/Co-edited: Nil

14. Responsibilities held:

- Member of **RUSA Project Committee**-Prepared RUSA(Rashtriya Uchchatar Shiksha Abhiyan) Project Proposal under Component 8: Enhancing Quality & Excellence in select Autonomous Colleges(2018-2019)
- Member of **DST-FIST Project Committee**-Prepared DST-FIST(Fund for improvement of S&T infrastructure) Proposal (2018-2019)
- Unit Leader of **Rangers Unit (The Bharat Scouts and Guides)** (June 2017-till date)

2020-2021

- Served as a Training Councillor- Basic Ranger Training Course at Donbosco Scout Centre, Yellagiri-04.03.2021-10.03.2021
- Organised The distribution of Face Masks and Snacks-February 2021
- Organised Tree Planting-Planted 25 trees-January 2021
- Organised the Rangers to participate in virtual celebrations of 100 years of Ranging-30.09.2020

2019-2020

- Organised a Special Training Camp for Rangers at Auxilium College-12.01.2020-13.01.2020
- Organised a Rangers Training Camp at Auxilium College-15.12.2019
- Organised the Rangers to participate in State level Rover/Ranger Crew Meet at Hogenakkal-28.11.2019-01.12.2019
- Organised Two Days Rangers Training camp at Auxilium College-19.10.2019-20.10.2019
- Organised the Rangers to participate in Massive Shramdan and Swachh Bharat Activity organised by Indian Railway at Katpadi Railway Station-17.09.2019

2018-2019

- Organised a nature camp to Yelagiri-16.02.2019
- Organised the Investiture Ceremony for Rangers, Auxilium College, vellore, 19.12.2018
- Organised the Rangers to express Gratitude to Workers as the part of Gratitude Day celebrations-05.12.2019
- Organised an Orientation Programme for Rangers, Auxilium College, Vellore, 21.07.2018
- Organised the Rangers to attend Regional level Camp on “FREE BEING ME” held at Head Quarters of Bharat Scouts and Guides, Chennai, 08.07.2018-12.07.2018
- Organised the Rangers to attend Regional level Camp on “DISASTER MANAGEMENT” held at Head Quarters of Bharat Scouts and Guides, Chennai, 01.07.2018-05.07.2018

2017-2018

- Served in the Blood Donation Camp held at Bharathidasan Scout group and Kasthuribai guide group centre, opposite to Katpadi Railway Station, 18.11.2017
 - Attended Rangers Special Training Camp held at Bharat Scouts and Guides training Centre, Kethi, Ooty, 06.10.2017-08.10.2017
 - Attended Rangers Service Camp, Michaelpuram, TV Malai District, 16.09.2017-17.09.2017
 - Organized and Accompanied the Rangers to serve at TK puram village.
- President of **Auxilium Alumni Association** (July 2017-May 2020)
 - Updated the Enrolment Register with Three years data (2017-2020).
 - Attended a Virtual meet on Volunteerism of FMA Past Pupil during COVID-19 situation-09.08.2020
 - Organising Secretary- Annual Alumni Meet – 2 October 2019
 - Attended Province level Salesian Family Meet, Auxilium College, Vellore-25.11.2018
 - Organising Committee member-Annual Alumni Meet -2 October 2018
 - Attended Province Level Salesian Family Preparatory plan Meet, Auxilium Home Vellore, 23.09.2018
 - Organised Working Alumni Meet, Auxilium College, Vellore - 26.07.2018
 - Attended Province level Past Pupils Meet, Sacred Herat Convent, Polur-07.07.2018
 - Organising Committee member-Past Pupils Enrolment – 23 February 2018
 - Organising Committee member-Annual Alumni Meet – 2 October 2017
- Member of **Auxilium College Educative Committee** (2017-2020)
 - Attended Educative Community Meet, Auxilium College, Vellore-03.03.2020
 - Attended Educative Community Meet, Auxilium College, Vellore-17.10.2019
 - Attended Educative Community Meet, Auxilium College, Vellore-10.10.2018
 - Attended Zonal Level Educative Community Meet, St. Mary Hr. Sec. School, Vellore-10.02.2018
 - Attended Educative Community Meet, Auxilium College Vellore-12.10.17
- Member of **Child Protection Committee** (2016-2019)
 - Attended 2 days Training programme on Child protection Policy, St. Lourdu's Convent, Chetpet, Chennai, 09.09.2016-10.09.2016
- Staff In charge of **Association of Mathematics** (2016-2018)

2016-2017:

 - Organised Mathematical Quiz as part of Association Inauguration function
 - Organized Mathematical Talent Examination
 - Organized Drawing Competition on “Triangular Motto”
 - Organized power point presentation event on “My favourite topic in Mathematics”

2017-2018:

- Organized a guest lecture on “Secure Schemes for Secret Sharing using Invertible Matrix”
- Organized Drawing Competition on “Textile designs using mathematical shapes”
- Organized power point presentation event on “Applications of Mathematics”
- Organised an Aptitude test
- **Staff Coordinator-Youth Convention 2018 (01.12.2018-02.12.2018)**
 - Attended Preparatory Plan Meet for youth convention 2018, Auxilium Convent, Vellore, 30.10.2018
 - Attended Pre Planning Meet for youth convention 2018, Auxilium Convent, Vellore, 15.11.2018
 - Attended Youth Convention 2018, Auxilium College, Vellore, 01.12.2018-02.12.2018
- **Mentor and Tutor-II B.Sc. Mathematics** (June 2016-May 2020)
- **Organiser-Drawing & Painting Competition for Shift-1 Students, Youth Fest - December 2017 - (12.12.2017)**
- **Judge- Drawing & Painting Competition for Shift-2 Students, Youth Fest - December 2017 - (12.12.2017)**
- **Judge-Powerpoint presentation on Applications of Calculus, Intercollegiate Math Fest Feb 2019**, Auxilium College, Vellore on 01.02.2019.
- **Judge-Rangoli Competition on Lines of Symmetry using Geometrical Shapes, Intercollegiate Math Fest Feb 2019**, Auxilium College, Vellore on 01.02.2019.

15. Current Responsibilities:

- **Coordinator-Student Induction Programme(SIP)**
- **Coordinator-DBT- STAR SCHEME**
- **Unit Leader-Rangers Unit(The Bharat Scouts and Guides)**
- **Staff Coordinator-Mathematics Association**
- **Mentor and Tutor- III B.Sc. Mathematics**

16. Membership in professional bodies:

- **Life time Member of Indian Society of Theoretical and Applied Mechanics(ISTAM)**
- **Life time Member of Academia for Advanced Research in Mathematics (AARM)**

17. Other bodies: Nil**18. Honours & awards received:****ACADEMIC ACHIEVEMENTS:**

- **RESEARCH AWARD** (2012-2015), VIT University, Vellore
- **BEST TALENT AWARD** – International Women’s Day 2015, VIT, Vellore
- **GOLD MEDALIST** in M.Sc. Mathematics, Stella Maris College, Chennai (2003)
- **MERIT AWARD** in Catechism Training (1998-2001), Auxilium College, Vellore

- **SCHOOL TOPPER** in XII standard, St.Anne's Girls Higher Secondary School, Chetpet - 606 801, Thiruvanna Malai District, Tamil Nadu. (1998)
- **MERIT AWARD** in Catechism, Vellore Diocese (1996-1997)
- **RAJAYAPURASKAR AWARD**, the Governor Award for Bharat Scouts and Guides.(1996)
- **SCHOOL TOPPER** in X standard, St.Anne's Girls Higher Secondary School, Chetpet - 606 801, Thiruvanna Malai District, Tamil Nadu. (1996)

SPORTS ACHIEVEMENTS:

- **Represented the University of Madras** in game of **Football (Women)** in **All India / Inter University Tournament** held at **Amitstar, Punjab** organised by Guru nanak Dev University during the year 1998-1999.
- **Represented the University of Madras** in game of **Kho-Kho (Women)** in **All India / Inter University Tournament** held at **Indore, Madhya Pradesh** organised by Devi Ahilya University during the year 1998-1999.
- **Represented the University of Madras** in game of **Football (Women)** in **All India / Inter University South Zone Tournament** held at **Kottayam, Kerala** organised by Mahatma Gandhi University during the year 1999-2000.
- **Represented the University of Madras** in game of **Football (Women)** in **All India Inter University Tournament** held at **Gwalior, Madhya Pradesh** organised by Jiwaji University during the year 2000-2001
- Received Special Award for **Out Standing Performance In Sports And Games (1998-2000)**, Auxilium College, Vellore-6.
- **Individual Championships** in Zonal Level sports for consecutive 3 years (1995 –1998).

19. No. of Online Courses completed (Minimum of 4 Weeks):

Course	Name of Institution	Year	Result
Introduction to differential Equations (Online Course)	Korea Advanced Institute of Science and Technology, coursera.org	2020 15.04.2020- 21.06.2020 9 weeks	Course Completed
Stanford Introduction to Food and Health (Online Course)	Stanford University coursera.org	2018 5 Weeks	Course Completed
MATLAB Programming (Online Course)	Vanderbilt University coursera.org	2015 9 Weeks	Course Completed
Computational Neuroscience (Online Course)	University of Washington coursera.org	2015 8 Weeks	Course Completed
Calculus: Single Variable (Online Course)	University of Pennsylvania coursera.org	2014 4 Weeks	Course Completed

20. Any Other:

AS A RESOURCE PERSON / CHAIRPERSON/GUEST SPEAKER:

- Delivered a Guest Lecture on Student Induction Programme at Don Bosco College, Yellagiri-18.03.2020
- Delivered a Guest Lecture on Student Induction Programme at Loyola College, Vettavalam-10.03.2020
- Delivered a Guest Lecture on Student Induction Programme at St. Joseph's College of Arts and Science for Women, Krishnagiri-05.03.2020
- Delivered a Guest Lecture on Student Induction Programme at Don Bosco College, Dharmapuri-24.02.2020
- **As an Invited Speaker- International Conference on Integrated Knowledge towards Enriched Society(IKTES 2020)- LIMCOS, Loyola College, Chennai-23.01.2020**
- **As an Invited Speaker- International Conference on Applications of Fluid dynamics, VIT, Vellore on 14th December 2018 (Topic: Value Based Learning)**
- **As a Invited Speaker-International Conference on Advances in Mathematical Sciences-VIT University on 2nd December 2017 (Topic: Education for Social Development)**
- **As a chairperson-International Conference on Advances in Mathematical Sciences-VIT University on 2nd December 2017**
- As a Guest Speaker for Investiture ceremony of the Students Council, SPARK CBSE SCHOOL, Sripuram, Vellore on 5th August 2016
- As a chairperson-National Conference on Pure and Applied Mathematics-VIT University on 12th March 2016

ADMINISTRATIVE EXPERIENCE:

- **Convenor**-International Women's Day Celebrations 2016, VIT, Vellore
- **Convener**-SciGATHER2016-National Science Day Celebrations- Feb 2016 & organized MATLAB workshop, VIT University, Vellore
- **Coordinator**-Water Conservation Week- August 31st to 4th Sep 2015, VIT, Vellore
- **Convener**-MATSCIENCE - May 2015-The summer camp for School Children organized by School of Advanced Sciences, VIT University, Vellore
- **Convener**- SciGATHER2015-National Science Day Celebrations -Feb 2015 & organized MATLAB workshop, VIT University, Vellore
- **Organising Committee member**-INOVIT 2015-South India level Science Contest for School Children-January 2015
- **Organising Committee member**- VIT Mathematical Meet-2015, the Vellore district level Math Contest for school students
- **Convener**- SciGATHER2014-National Science Day Celebrations -Feb 2014 & organized an Intercollegiate Mathematical Quiz, VIT University, Vellore
- **Organising Committee member**-INOVIT 2014-South India level Science Exhibition for School Children-January 2014
- **In Charge**-VIT Mathematics Association (2013-2014) & organized the VIT Mathematical Meet-2014, the Vellore district level Math Contest for school students
- **Program Officer** –NSS(National Service Scheme) (2010-2016), VIT, Vellore

- **Member**-Vice Chancellor Advisory Committee, VIT University, Vellore.
- **Member** -Library Advisory Committee, VIT University, Vellore.
- **In charge** –VIT Mathematics Association (2010-2011) &organized the VIT Mathematical Meet 2011.
- **Secretary-Association of Seekers of Truth (2005-2006)**, Sri Ram Engineering College.