

## **Dr. Elizabeth Samuel**

Assistant Professor in Mathematics



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### **Profile**

Dr. Elizabeth Samuel is an academician with over three decades of teaching experience in Education. Currently serving as an Assistant Professor in Mathematics Education at St. Jacob's Training College, Menamkulam, she has also worked extensively as a researcher, Lecturer and as schoolteacher in reputed institutions. Dr. Elizabeth holds a Ph.D. in Education from the University of Kerala focused on the "Effectiveness of a Multistage Learning Package for enhancing Mathematical Creativity of Secondary School Students". She earned her postgraduate degrees in Mathematics, Sociology, and Education. Her teaching and research interests revolve around Mathematical Creativity, Instructional design, and Educational research methodologies.

She has authored and co-authored numerous research papers published in peer-reviewed journals and seminar proceedings. Dr. Elizabeth is known for her commitment to educational excellence and has been recognized with the AIRO Global Award for Outstanding Research Dissertation in

2022. Her contributions extend beyond academics, involving active roles in Training, Curriculum development, and Educational outreach.

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### Personal Details

- **Name:** Dr. Elizabeth Samuel
  - **Date of Birth:** 11-09-1967
  - **Gender:** Female
  - **Religion:** Christianity – Orthodox Syrian
  - **Nationality:** Indian
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  - **Official Address:** Dr. ELIZABETH SAMUEL, Asst. Prof. in Mathematics Education, St. Jacob’s Training College, Menamkulam, Kazhakootom, Thiruvananthapuram.
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### Academic Qualifications

Course	Institution	University/Board	Year	% Marks	Division
<b>Ph.D. in Education</b>	Department of Education	University of Kerala	2020 (Effectiveness of a Multistage Learning Package for enhancing Mathematical Creativity of Secondary School Students).		
<b>UGC-NET (Education)</b>	Education	UGC	2014	–	–
<b>M.A. Sociology</b>	Distance Education	Madurai Kamaraj University	2014	50%	Second

Course	Institution	University/Board	Year	% Marks	Division
<b>M.Ed.</b>	St. Christopher's College of Education, Chennai	University of Madras	1994	63.4%	First
<b>B.Ed.</b>	St. Christopher's College of Education, Chennai	University of Madras	1993	57.7%	Second
<b>M.Sc. Mathematics</b>	Marthoma College, Thiruvalla	MG University	1992	–	Third
<b>M.Sc. Mathematics (Distance)</b>	Annamalai University	2009	54.8%		Second
<b>B.Sc. Mathematics</b>	St. Theresa's College, Ernakulam	MG University	1989	75% (optional), 61% (aggregate)	First
<b>Pre-degree</b>	St. Xavier's College, Alwaye	MG University	1986	62%	First
<b>SSLC</b>	St. Theresa's Convent GHS, Ernakulam	Kerala State	1984	66%	First

### Professional Experience

Period	Designation	Institution
<b>July 2019 – Present</b>	Assistant Professor	St. Jacob's Training College, Menamkulam, Kazhakuttom
<b>Jan 2016 – July 2019</b>	Research Scholar in Education	University of Kerala, Palayam

<b>Nov 2010 – Jan 2016</b>	Assistant Professor	St. Jacob's Training College, Menamkulam, Kazhakuttom
<b>Aug 2006 – Oct 2010</b>	Lecturer	Theera Jyothi Teacher Training Institute, Menamkulam, Kazhakuttom
<b>July 2005 – July 2006</b>	Lecturer	St. Jacob's Training College, Menamkulam, Kazhakuttom
<b>Dec 2004 – June 2005</b>	Lecturer	Theera Jyothi Teacher Training Institute, Menamkulam, Kazhakuttom
<b>Apr 2000 – May 2004</b>	Lecturer	National Training College, Pravachambalam,
<b>Feb 2000 – March 2000</b>	Lecturer	University of Kerala, Teacher Education Centre, Adoor
<b>July 1995 – May 1999</b>	Lecturer	Avila College of Education, Kochi
<b>Nov 1994 – July 1995</b>	Lecturer	University of Kerala, Teacher Education Centre, Barton Hill
<b>June 1994 – Nov 1994</b>	Teacher	Marthoma Public School, Kakkanad, Kochi

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### Awards

- **AIRO Global Award** for Outstanding Research Dissertation – 2022
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### Publications (Selected)

1. **"Strategies for developing creativity among secondary school students"**, Mar Theophilus Training College Journal, 2016
  2. **"Construction and Standardization of Mathematical Creativity (MC) Test"**, GCTE Journal, 2018
  3. **"Psycho-Social Factors of Creativity"**, International Seminar Proceedings, 2017
  4. **"Comparative Study of Mathematical Creativity and Achievement"**, International Conference, 2017
  5. **"Effectiveness of Multistage Learning Package"**, NCERT National Conference, 2020
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## **Seminars and Workshops Attended and Paper Presentations**

### **International (3)**

- *Education at Crossroads: Tilting Social Equations* (St. Thomas Training College, 2017) – Paper on **Psycho-social Factors for Lifelong Learning**
- *Emerging Knowledge Society: Curricular and Technological Innovations* (Mar Theophilus Training College, 2017) – **Comparative Study on Mathematical Creativity and Achievement in Mathematics in the context of emerging new society**
- *AIRIO International Conference on Innovations in Education, Research and Peace Building* (Sree Narayana Guru Kripa B.ED College, 2022) - **Focus Group Discussion as a Research Method in Mathematics Education**

### **National (17) (Only selected ones)**

- *NCERT Conference on Mathematics Education*, Bhopal, 2020 – Paper on **Multistage Learning Package for enhancing Mathematical Creativity**
- *Christ University Workshops*, 2016 – Hands-on training in survey techniques, instrument design, and research methods
- *University of Kerala Workshops*, 2017–2019 – Content writing, E-literacy, Research proposal writing
- *Mount Tabor Training College*, 2015–2016 – Women in Sustainable Development, Techno-pedagogy
- *NSS College of Training*, 2014 – Instructional Design and Web Quests

### **State Level (5)**

- *SCERT Curriculum Revisions*, 2005– Santhinilayam, Thiruvalla
- *New Perspectives in Teaching Mathematics*, 2012 - KUCTE
- *Semesterisation of B.Ed.*, 2004 - Mar Theophilus Training College

### **Regional Level (14)**

- *Effective B.Ed Curriculum Transaction*, 2005 - Mar Theophilus Training College
- *Workshop on Learning Management Systems*, 2014 - GCTE
- *Effective Transaction of Two Year B.Ed Mathematics Curriculum*, 2015 - Sree Narayana Training College
- *Model of Teaching*, 2005 - University of Kerala

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### **Seminar/ Conference/ Workshop Co-ordinated**

- Co-ordinated Webinar on *Instilling Values in Virtual Teaching: Scope and Strategies* organized by St. Jacob's Training College, Menamkulam on 16<sup>th</sup> June 2021

- Co-ordinated Conscientization programme of Video presentations on *Environmental Education* in connection with ‘World Nature Conservation Day’ organized by St. Jacob’s Training College, Menamkulam on 28<sup>th</sup> July 2020
- Jointly co-ordinated National Seminar on *Human Values, Ethics and Peace Education* organized by St. Jacob’s Training College, Menamkulam on 2<sup>nd</sup> November 2022
- Jointly co-ordinated International seminar on *EDUCATIONAL TRANSFORMATION: AI DRIVEN RESEARCH, ETHICAL FRAMEWORKS AND CURRICULAM INNOVATION* ON 29th & 30th October, 2025 (Hybrid mode) at St. Jacob’s Training College, Menamkulam

#### **Academic Positions and Additional Responsibilities**

- **Adjudicator** – Ernakulam District Science & Mathematics Fairs (1996–1998)
- **Master Trainer** – Intel “Teach to the Future” Program, 2002
- **Refresher Program** – Statistics and Research Methods (UGC, 2003)
- **Member of Association of International Researchers of Indian Origin (AIRIO)**
- **Staff Secretary**
- **Women Cell Co-Ordinator**
- **Staff Advisor**