

Alka Benny

Contact

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Objectives

- To work in an organization that will give me an opportunity to pass on my knowledge for the better development of the students.
- To establish myself in the field of education and strive for academic excellence and impart quality education with emphasis on Mathematics.

Education

2014 to 2016	M.Sc. Mathematics (secured 94%) Sacred Heart College (Autonomous), Thevara, Kerala, India.
2011 to 2014	B.Sc. Mathematics (secured 84.75%) St. Teresa's College, Ernakulum, Kerala , India
2009 to 2011	Higher Secondary Course (secured 90.17%) Sacred Heart Higher Secondary School, Thevara, Kerala, India
2009	SSLC (secured Full A+) St. Jude's English Medium Higher Secondary School, Thammanam, Kerala, India.

Professional Experience:

MATHEMATICS LECTURER

- Working as Assistant Professor in PG Mathematics (Self Financing), in the Department of Mathematics and Statistics at St. Teresa's College (Autonomous), Ernakulam from June 2017 onwards.
- Working as a Counselor at Indira Gandhi National Open University (IGNOU), Sacred Heart College, Thevara from January 2017 onwards.
- Eight months of work Experience as Assistant Professor (FDP) in Mathematics from October 2016 at St. Teresa's College (Autonomous), Ernakulam.
- Four months of work Experience as a Guest Lecturer in Mathematics from June 2016 at The Cochin College, Fort Kochi.

MATHEMATICS TUTOR

SELF-EMPLOYMENT

(March 2011 – Till date)

- Handled mathematics classes via online through Skype for students those who are studying abroad.
- Handled mathematics classes including Introduction to Calculus and Introduction to Trigonometry, as well as Geometry and Algebra classes.

Professional Developments

- **No: of Publications** : 7 (International), 1 (International on review)
- **No: of Presentations** : 1 (International), 1 (National)
- **No: of Certified Courses** : 1
- **No: of Programme attended** : 10 (National Seminars), 1 (Refresher Course for College Teachers), 4 (Faculty Development Programme), 2 (One Day Workshop)
- Proficient in promoting interactive learning through Internet.
- Adapting innovative and resourceful teaching methods to suit the special needs of an individual or group.
- Implemented stimulating lessons to engage student's attention and interest, allowing them to develop a passion for the subject.
- Board of studies panel member at Department of Mathematics and Statistics, St. Teresa's College (Autonomous) from 2016 onwards.
- Provided guidance for clearing National Eligibility Test inside the campus.
- Guided students for various projects in UG and PG level.

- Quality Question Papers along with the scheme been prepared and provided for the external institutions.
- Effective paper valuations and question paper scrutiny were done for various institutions.
- Been in-charge of TROP (Teresian Rural Outreach Programme) and Placement Cell (Overall College).
- Worked as a data analyst in the project “Cheram Cheranalloorinoppam” initiated by Shri.HIBI Eden MLA in the Cheranalloor Gram Panchayath in association with Bhoomithra Sena Club of St. Teresa’s College, Ernakulam, Pelician Foundation and Ernakulam District Suchithwa Mission which was funded by Cochin Shipyard Ltd.

Achievements

- **Publications:**
 - 1) “A Study on Perturbation theory to solve Differential Equations”, Journal of Computer and Mathematical Sciences, Volume 10, Issue 5, April 2019, ISSN: 2319-8133.
 - 2) “A Study on Interconnection Networks and Graphs”, International Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 4, April 2019, ISSN: 2349-5162
 - 3) “A Study on Pascal’s Triangle”, International Journal of Emerging Technologies and Innovative Research, Volume 5, Issue 11, November 2018, ISSN: 2349-5162.
 - 4) “Numerical Methods using MATLAB”, International Journal of Emerging Technologies and Innovative Research, Volume 5, Issue 5, May 2018, ISSN: 2349-5162.
 - 5) “A study on Isoperimetric Inequality”, International Journal of Creative Research Thoughts, Volume 6, Issue 2, April 2018, ISSN: 2320-2882.
 - 6) “An Analysis into the Efficiency of Ciphers”, International Journal of Scientific & Engineering Research Volume 8, Issue 7, July-2017, ISSN 2229-5518.
 - 7) “A study on solutions of Perturbed Equations”, International Journal of Scientific & Engineering Research Volume 8, Issue 7, July-2017, ISSN 2229-5518.
- Presented a paper in the “International Conference on Recent Trends in Topology and its Applications, ICRTA-2K18” about the topic “A study on Pascal’s Triangle”.
- Presented a paper in the National Conference on IDEAS-16 about the topic “A study on solutions of Perturbed Equations”.
- Won Rashtrapathi Guide certificate from the honorable President of India in the year 2009.
- Won second place with A grade in the state Mathematics fair during the year 2008-2009.
- Won prizes for various competitions in district level Youth festival in school days.

Key Skills

Proficient or familiar with a vast array of programming languages, concepts and technologies, including:

MySQL

C++

Languages

Malayalam (native)

English

Hindi(Read, Write, Understand)

Tamil(Understand)

Strengths

- Dedicated and sincere.
- Positive Thinking and enthusiastic nature.
- Leadership and management qualities.
- Always active and bold enough to take risks.

DECLARATION

“I hereby declare that all the information I had given above is true to the best of my knowledge.”

Ernakulam.

Alka Benny.