

Dr.Sunanda.S.Naik

Associate professor

Department of Mathematics

**Bapuji Institute Engineering and
Technology, DAVANGERE -577004**

Mob: 9900558773

Email: ssnaik60@gmail.com

RESEARCH INTEREST:

Mathematical modelling

TEACHING EXPERIENCE: 35 years of teaching experience and 12 years in research

Worked as:

- Lecturer from Dec 1984 to March 1996.
- Senior Lecturer from April 1996 to Feb 2005.
- Selection Grade lecturer from March 2005 to July 2007.
- Assistant Professor from Aug 2007 to April 2019
- Associate Professor from May 2019 to till date..

EDUCATION

- Ph.D (Mathematical Modelling) from Visveshwaraya Technological University, Belagavi , 18th March 2019.
- M.Sc (Mathematics) from Karnataka University, Dharwad, 1983 with first class with Distinction.
- B.Sc (Mathematics, Chemistry & Physics) from Karnataka University, Dharwad, 1981 with first class with Distinction.

PROFESSIONAL MEMBERSHIP:

Life Member of Indian Society for Technical Education. Number : **LM23572**

PUBLICATIONS

- “A study on a Mathematical modeling on human blood in reference to the variation of Hematocrit” in a journal of analysis and computation, vol. 4, No.-1, (2008):21-32
- “Peristaltic transport of biofluid in presence of varying temperature with a reference to dermal layer” Aryabhata Journal of Mathematics and Informatics volume-2 No.-1,Jan-June-2010,pp 89-94
- Mathematical study of glucose insulin model with reference to diabetes mellitus Aryabhata journal of mathematics and informatics volume-9,issue-1, Jan-June-2017 ISSN:2394 -9309

ACHIEVEMENTS

Awarded as a best teacher for 07 times from the college for achieving 100% result in the subjects

- Engineering Mathematics IV during 1991.
- Engineering Mathematics IV during 1997.
- Applied Mathematics I during 2000.
- Engineering Mathematics IV during 2001.
- Engineering Mathematics IV during 2002.
- Applied Mathematics II during 2003.
- Biostatistics & Biomodelling during 2008.
- Received appreciation for adopting **Imparts Lecture Capture** during 2018

SHORT TERM COURSES/WORSHOPS

Attended

- National seminar “Fuzzy Technique And Their Applications” on 14th& 15th 1996 organized by BIET Davangere.

- UGC Sponsored Refresher Course in Mathematics organized by Department of studies in Mathematics Kuvempu University from 19th March 1997 to 12th April 1997.
- UGC sponsored Refresher course in mathematics organized by Department of studies in Mathematics Karnataka University Dharwad from 10-03-2000 to 13-03-2000.
- Fifth state level ISTE convention and national seminar on “Role Of Technical Education In Meeting The Challenges Of Globalization” on 12th and 13th November 2002. organized by UBDT college of Engg. Davangere.
- UGC sponsored National work shop on e-Commerce Applications And Implications. Conducted by Department of Mathematics KUKRC PG centre Belgaum on 18th and 19th of March 2002.
- AICTE & ISTE sponsored two week short term training programme on “Fuzzy And Its Applications To Power Systems” from 15th March to 26th March 2004. Organized by BIET Davangere.
- Three day national work shop on “Applications Of Mathematics In Engineering And Technology” from 1st to 3rd October 2004 at AIET chikamagalur.
- One day work shop on “Mathematical Applications In Engineering System” on 27 october 2007 at BIET Davanagere.
- One day work shop on “Mathematics And Its Applications In Engineering” Sponsored By ISTE Local Chapter on 18th feb 2010 at BIET Davangere
- One day work shop on “Emerging Trends On Applied And Pure Mathematics” on March 12, 2011. Organized by STJIT Ranebennur.
- Presented a research paper on “ mathematical Modelling on comparison of palatable diet composition of diabetes mellitus type II patient with respect to time intervals” at AIT, Chikmanglore held on 23rd and 24th June 2012.
- Presented a research paper on “ mathematical Modelling on comparison of palatable diet composition of diabetes mellitus type II patient with respect to time intervals” at AIT, Chikmanglore held on 23rd and 24th June 2012.
- Presented a paper in three days faculty development programme Alan M. Turing – SICT entitled “Mathematical Modeling and soft computing of physiological parameters” at PESIT, Bangalore.

- Presented a research paper entitled “ computation of palatable diet for diabetes mellitus cases to reference to glucose in the national conference RTAM-2013 held at SIT, Tumkur during 7th& 8th June 2013.
- One day programme on “ Ramanujam Mathematics Awareness Programme “ sponsored by ISTE, New Delhi held on 1st March 2013 in Department of Mathematics, BIET, Davangere
- One day workshop on Research Add-Ons conducted by 19-03- 2014 BIET, Davangere
- Three Days Workshop on “Basic Science Syllabus for BE program (VTU)” 18-08- 2014 20-08-2014 UBDT college of Engineering, Davangere
- Presented a research paper entitled “Study on palatable diet for diabetes mellitus cases using Josline’s principle” A Mathematical model in the national conference on mathematics and its applications 22-12-2015 23-12- 2015 Adichunchanagiri Institute of Technology, Chikkamangalore, Karnataka
- Presented a research paper entitled “Mathematical analysis for kidney’s role in controlling contribution of sodium ion in the blood” in the International conference on Differential Geometry, Analysis and Fluid mechanics 04-02- 2016 05-02-2016 Kuvempu University, Shankaraghatta, Shimoga
- One day seminar on “Role of women in Societal reforms” Organized by Department of Information Science and Engineering held at Bapuji Institute of engineering and technology, Davangere on 10th March 2017.
- “GanitaShikshakaraKaryagara” held on 18th and 19th January, 2019 at Department of Mathematics, BIET , Davanagere.

Seminars/Workshops/Events Organized:

- Organized one day work shop on “mathematical application in engg system” on 27-10-2007 , BIET Davanagere.
- One day Workshop on “ Mathematics& its Applications in Engineering “ held on 18th Feb 2010 at Bapuji Institute of Engineering & Technology, Davangere.
- Organized one day programme on “Ramanujan Mathematics awareness programme RMAP-2013”, BIET Davangere
- Worked as Assistant coordinator of “ Technology barrier reduction

program(TBRP) held at Bapuji Institute of Engineering and Technology, Davangere from 18-4-16 to 6-5-16.

- Worked as organizing committee member of “ Technology barrier reduction program(TBRP) from 24th April to 12th May 2017” held at Bapuji Institute of engineering and technology, Davangere
- Conducted National Mathematics Day on 27th December, 2018.
- Summer Internship conducted for Rural High School Students on “Technology Barrier Reduction program” between 22nd April 2019 to 10th May 2019 at Bapuji Institute of Engineering & Technology, Davangere, Karnataka, Organized by Foundation for Advancement of Education and Research and sponsored by Zebra Technologies, Bangalore.
- National Science Day Celebration on 28-02-2020.
- Coordinator for Student Induction program from 2018-19 and 2019-20.
- Organized Student Induction Program Phase I for First Year students from 01-08-2019 to 10-08-2019
- Organized ISCON Krishna Madhava das talk on 15.10.2019
- Organized InQUIZitive competition for first year students on 22-10-2019
- Organized National Mathematics Day in the Department of Mathematics, BIET on 28.12.2019.
- Organized Student Induction Program Phase II for First Year students from 10.-02-2020 to 15-02-2020

RESPONSIBILITIES

Worked as:

- **Deputy internal** Chief in Mysore & Kuvempu examination panel.
- **Warden for SSDJ Ladies hostel**, BIET, Davangere.
- **Member of Anti Ragging committee.**
- **Faculty advisor.**
- **Coordinator** for progress reports of First Year Students
- **Coordinator** for Technology Barrier Reduction Program.
- **Coordinator** for “One Day National Conference on Recent trends on Applications of Science in Engineering”.

SUBJECTS TAUGHT

Engineering Mathematics I , Engineering Mathematics II , Engineering Mathematics III , Engineering Mathematics IV, Advanced Mathematics I , Advanced Mathematics II , Applied Mathematics (M. Tech),

Ph.D. Thesis: “ The study of some problems in Biofluid Mechanics using Mathematical Modelling in reference to Health hazards “

Residential Address

Dr.Sunanda S Naik
Haripriya,1783/4
14th Cross,5th main
Siddaveerappa Badavane
Davangere 577004,
Karnataka, INDIA