

Sri. K N Anil Kumar

Assistant Professor

Department of Mathematics

Bapuji Institute of Engineering and Technology,

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RESEARCH INTEREST :

Graph Theory, Numerical Methods, Differential Equations, Differential Geometry.

TEACHING EXPERIENCE : Having 8 years of teaching experience

Worked as:

- Lecturer in Mathematics Department, Vyshnavi Chethana P.U College, Davangere from June 2012 to Aug 2012.
- Lecturer in Chethana Hitech College of management, Davangere from Sep 2012 to Feb 2014.
- Assistant Professor from Feb 2014 to till date

EDUCATION

- M.Sc (Mathematics) from Davangere University, Davangere, 2012 with first class.
- B.Ed (Mathematics & Physics) from Kuvempu University, Nuthana College of Education, Davangere, 2009 with Distinction.
- B.Sc (Mathematics, Chemistry & Physics) from Kuvempu University, D.R.M Science College, Davangere, 2008 with First class with Distinction.

PROFESSIONAL MEMBERSHIP

- Member of Indian Society for Technical Education (**LM125354**)

PUBLICATIONS

- **“Degree Based topological indices for DOX-loaded PEG-PASP polymer”**, Jnanabha, Vol. 50(1), (2020) pp. 89-101
- **“Predicting Physico-Chemical properties of Octane Isomers using QSPR approach”**, Malaya Journal of Matematik (MJM) 8(1), (2020), 104-116.
- **“QSPR Analysis of Alkanes with Certain Degree Based Topological Indices”**, Malaya Journal of Matematik (MJM) 8(1), (2020), 314-330.

SHORT TERM COURSES/WORKSHOPS

Attended:

- **“National Webinar on Fluid Mechanics and its Applications in Engineering Science”** held during 24th to 27th June -2020 at Department of Mathematics, PES Institute of Technology and Management, Shivamogga, Karnataka.
- Webinar on **“Biofuel - A Promising Alternative Fuel”** held on **22nd June, 2020** at Department of R & D and Chemistry, **Don Bosco Institute of Technology, Bengaluru** in association with Institution of Engineers (India), KSC and IEEE.
- Webinar on **“Applications of Differential Equations”** on **19th June 2020** at Department of Mathematics, **Cambridge Institute of Technology North Campus Kundana, Bengaluru-562110**.
- Online one week Faculty development Programme on **“Recent Advances in Material Science and Mathematical Application”** held during **15th June to 19th June 2020** organized by Department of Basic Science, **Ghousia College of Engineering, Ramanagara-562159**, Karnataka, India.
- Webinar on **“Boost your Immune system by Natural-Biotics”** on **12th June 2020** at Department of Chemistry, **RV College of Engineering**, Bengaluru-59, Karnataka.
- National Conference on **“Recent Developments of Mathematics in Industrial Applications”** held on 11th and 12th April, 2019 at Department of P G Studies and Research in Mathematics Kuvempu University, Shankaraghatta, Shivamogga

- “GanitaShikshakaraKaryagara” held on 18th and 19th January, 2019 at Department of Mathematics, BIET ,Davanagere.
- Two days workshop on “Advanced Mathematical Techniques in Research and Engineering Applications held on 29th and 30th January 2018 at GMIT, Davangere, Karnataka, India.
- One day Orientation Program on “Preparation for UGC-NET and SLET examination” organized by MCA Forum and in association with NSS of Bapuji Institute of engineering and technology, Davangere on 19th April 2017.
- International conference on “Differential Geometry, Analysis and Fluid mechanics” held on 4th to 5th February, 2016 at Department of P G Studies and Research in Mathematics Kuvempu University, Shankaraghatta, Shivamogga.
- Workshop on “Modern Approach for Effective Management of Municipal Solid Waste” held on 14th November, 2015 at Department of Civil Engg. BIET, Davangere.
- Workshop on “A Pedagogy for Effective Use of Mathematics for Research in Science and Technology” held on 27th to 31st July ,2015 at JNNCE, Shivamogga, Karnataka, India.

Organized:

- Organized Student Induction Program Phase II for First Year students from 10.-02-2020 to 15-02-2020
- Organized National Mathematics Day in the Department of Mathematics, BIET on 28.12.2019.
- Organized Student Induction Program Phase I for First Year students from 01-08-2019 to 10-08-2019.
- Coordinator for Student Induction program from 2018-19 and 2019-20.
- 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.
- “One day National Conference on Recent Trends on the Applications of Science in Engineering” (NCRSE-2018) on 28th September 2018 at BIET, Davanagere.

- Summer Internship conducted for Rural High School Students on **“Technology Barrier Reduction program” between 16th April 2018 to 5th May 2018** at Bapuji Institute of Engineering & Technology, Davangere, Karnataka, Organized by Foundation for Advancement of Education and Research and sponsored by Zebra Technologies, Bangalore.
- **“One Day Seminar on Science in Engineering” (SSE-2017)** on 15th December, 2017 at Dept. of Mathematics, BIET, Davangere.
- Summer Internship conducted for Rural High School Students on **“Technology Barrier Reduction program” between 24th April 2017 to 12th May 2017** at Bapuji Institute of Engineering & Technology, Davangere, Karnataka, Organized by Foundation for Advancement of Education and Research and sponsored by Zebra Technologies, Bangalore.
- Summer Internship conducted for Rural High School Students on **“Technology Barrier Reduction program” between 18th April 2016 to 6th May 2016** at Bapuji Institute of Engineering & Technology, Davangere, Karnataka, Organized by Foundation for Advancement of Education and Research and sponsored by Zebra Technologies, Bangalore.

PAPERS PRESENTED

- Paper entitled **“QSPR Analysis of Alkanes with Certain Distance Based topological indices”** in International conference (ICICST-2019) organized by Don Bosco Institute of Technology, Bengaluru from 19th – 23rd December 2019

RESPONSIBILITIES

Worked as:

- Asst. Coordinator for VTU Valuations December-January 2018 at BIET Valuation Centre, Davangere
- KSCST Seminar Projects-2018 on 10th August 2018 at BIET, Davanagere.
- Guest Committee member for “National Seminar on New Trends in Bio-Technology and 14th Conference of Society of Cytologists and Geneticists” from 06th to 8th March 2019 at BIET, Davanagere.

- Judge Committee member in DAVANA-2019

SUBJECTS TAUGHT

Engineering Mathematics I , Engineering Mathematics II , Engineering Mathematics III ,
Engineering Mathematics IV, Advanced Mathematics I , Advanced Mathematics II,
Calculus and Linear algebra, Advanced Calculus and Numerical Methods.

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