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Dr. Arun Kumar S L

Associate Professor in Civil Engineering

Faculty

Faculty of Engineering and Technology

School / Program

Faculty of Engineering and Technology
B.Tech in Civil Engineering

Faculty Introduction (Five to Six Lines)

Dr. S. L. Arunkumar is an Associate Professor in the Department of Civil Engineering at GM Institute of Technology, Davangere, Karnataka. With over 25 years of academic and research experience, holds a Ph.D. in Applied Geology from Kuvempu University, focusing on integrated watershed development in the Varada River basin. He has previously served as a lecturer at Kuvempu University and has been actively involved in teaching at both undergraduate and postgraduate levels. His core areas of expertise include **Engineering Geology, Hydrogeology, Groundwater Management, Remote Sensing & GIS Applications, Environmental Geology, and Watershed Development.**

Qualifications

Ph.D. (Applied Geology)

Kuvempu University, Shankaraghatta, 2007

M. Sc., (Applied Geology)

Karnatak University – Dharwad, Karnataka, 1993

B.SC (CBG)

University of Mysore, Mysore, 1990

Experience

Teaching

- 15 Years at Kuvempu University, Shankaraghatta, Karnataka

Industry

- 1 Years at Desu Technologies Pvt.Ltd.,

Research

- 6 years Post Graduate Department of Applied Geology Kuvempu University, Jnanasahyadri, Shankaraghatta,

Training Program Attended

- Planetary Science: Methods and Scopes" June 3rd,2022 Organized by Department of Geology Kabi Jagadram roy Government general Degree college, Mejia, Bankura – 722 143.
- Participated in Two day Workshop on "National Education Policy, 2020 Organized by KLS Gogte Institute of Technology, Belagavi in association with Visvesvaraya Technological University, Belagavi on 19th – 20th November 2021.
- Participated in Five-day Faculty development programme on "Information and Communication Technology (ICT) and Outcome Based Education (OBE) Organized by RVCE, Bengaluru, Under the Margadarshan – AICTE Scheme, Conducted at GMIT During 21st – 25th Jan 2020.
- Participated in Three day Faculty development programme on "Total Station and E- Surveying" on 2nd to 4th April 2019. Organized by Department of Civil Engineering, GM Institute of Technology, Davangere Association with Larsen and Mayo and E- Surveying Softech, Bangalore.

Research Interest

- Watershed Management
- Remote Sensing and GIS
- Applied Geology

Awards & Achievements

- Ph.D. Dissertation: Integrated watershed development management of Varada river Shimoga District, Karnataka
- National Conference Papers: 10
- International Conference Papers: 8
- National Journal Papers: 06
- International Journal Papers: 18

Apparatus and Method for filling a Pit Publication / Patents

- Apparatus and Method for filling a Pit (Application No. 202241012814A) – filed March 2022
- Self-Power Generating Intelligent Electric Vehicle (Application No. 202041034752A) – filed August 2020 granted on 13th Aug 2020:

Professional Membership

- Photonirvachak, Journal of the Indian Society of Remote Sensing (L-3104)
- 2007- Current: Hydrology Journal, Indian association of Hydrologists, India. (I AH - 3692)
- 2010- Current: Geospatial World, Geospatial media + Communications Noida, India (GISD090798)

Administrative Responsibilities

- Department Level – worked as head of the Department from 2011 to 2016
- University Level

Workshops / FDPs / Seminars Attended

- Planetary Science: Methods and Scopes" June 3rd,2022 Organized by Department of Geology Kabi Jagadram roy Government general Degree college, Mejia, Bankura – 722 143.
- Participated in Two day Workshop on "National Education Policy, 2020 Organized by KLS Gogte Institute of Technology, Belagavi in association with Visvesvaraya Technological University, Belagavi on 19th – 20th November 2021.
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Workshops / FDPs / Seminars Organized

- Member of the Organizing committee of 12th State Level Annual Convention and Two day National Seminar on "Role of Faculty in the Examination system "held on 20th - 21st November 2009 in G M Institute of Technology – 577 006.
- Member of the Organizing committee of VI Convention of Mineralogical Society of India and International seminar at Dept. of Applied Geology, Kuvempu University, held on 28th -30th January 2004.
- Member of the Organizing committee of two days national level workshop on Role of Earth Science in Natural Resource Management and Rural Development at Dept. of Applied Geology, Kuvempu University held on 2nd to 3rd March 2000.
- Member of the Organizing committee of Seminar on Remote Sensing and GIS applications in Natural Resource Management at Dept. of Applied Geology, Kuvempu University on 15th January 1998.

Projects Guided

- **UG Projects**
 - Several M.Sc. dissertations in Earth Science & Resource Management and Remote Sensing & GIS Applications, topics include flood-prone area mapping, groundwater potential, urban sprawl, etc.
- **PG Projects**
 - Undergraduate (BE) student projects at GMIT on topics such as watershed characteristics, urban information systems, solid waste management, land use/cover change etc.

Funded Projects / Grants Received

- Hydrogeological study around Mysore Paper Mills Limited(MPM)
- Solid Waste Disposal site, Bhadravathi, Shimoga district, Karnataka.
- Client (MPM) Mysore Paper Mills Ltd.,
- Duration - 1 Year
- Tools/Software used- ArcView3.2a, ArcGIS, Erdas 9
- Team Size -9 (Nine)
- Role - Geophysical Exploration
- Brief -Investigation of Waste disposal in and around MPM site

Any Other Contributions

Member ship of University bodies

- **BOE** - Kuvempu University, Post Graduate Dept. of Applied Geology, Shankaraghatta – 2007
- **BOE** - Visvesvaraya Technological University (VTU), Belgaum -2015
- **BOE** - Visvesvaraya Technological University (VTU), Belgaum – 2018
- **BOE** -Visvesvaraya Technological University (VTU), Belgaum – 2022
- **BOS**-Kuvempu University, Post Graduate Dept. of Applied Geology, Shankaraghatta – 2007

Lectures Delivered as Resource Person:

- **Groundwater potential zones of Sagar sub basin** at GIS User Group Meet held at Institute of Town planners, Bangalore on 6th December 2007,
- **Ground water Pollution**, at Panchayat raj members, Mayakonda, Organized by Mines and Geology Department, Davangere, Davangere District on 9th September 2012