

## RESUME

**Dr. Basavaraj I. Aldi**

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### **1. EDUCATION**

M.Sc (Physics), M.Sc (Electronics), M.Phil (Electronics), B.Ed, Ph.D (Physics)

### **2. TEACHING EXPERIENCE: 20 years**

- Worked as a **Guest Lecturer in the Physics Department of Karnatak Science College, Dharwad** during the year 2001 to 2006 and relieved from services on 31<sup>st</sup> March 2006.
- Worked as a **Lecturer in the Physics Department of K.L.E Society's polytechnic, Vidyanagar, Hubli** during the year 2003 to 2004 and relieved from services on 17<sup>th</sup> April 2004.
- Worked as a **Substitute Lecturer in the Electronics Department of JSS Banashankari Arts, Commerce and Shantikumar Gubbi Science College, Vidyagiri, Dharwad** from 02.10.2004 to 28.03.2007, appointed in place of a Teacher deputed for completion of Ph.D under FIP scheme of UGC during X plan period.
- Worked as a **Lecturer (Management Paid) in Physics Department of JSS Banashankari Arts, Commerce and Shantikumar Gubbi Science College, Vidyagiri, Dharwad** from 01.07.2007 to 31.08.2019
- Working as a **Assistant Professor in Physics Department to teach P.G students of JSS Banashankari Arts, Commerce and Shantikumar Gubbi Science College, in the establishment of JSS SMI UG/PG Studies, Vidyagiri, Dharwad** since 01.09.2019

### **3. MEMBER**

- **Life member of the Institution of Electronics and Telecommunication Engineers (IETE), New Delhi** since 23<sup>rd</sup> day of November 2009. Membership No. M215226.
- **Life member of the Instrument Society of India, Bangalore** since 18<sup>th</sup> December 2017. Membership No. 2456.

**4. PHD:** The Vice-Chancellor of the Karnatak University, Dharwad on behalf of the Syndicate has accepted the reports of the examiners and Viva-Voce held on 26.05.2018, Registration No. & Date: 223/25.10.2008 for the award of the Degree of Doctor of Philosophy in Physics on the subject titled, **“Some Studies on Simulation design of Building Automation System using Programmable Logic Controller”** and he is accordingly declared qualified on 06.06.2018 to receive the degree of Doctor of Philosophy. The Ph.D has been conferred at Dharwad, on 04.02.2018.

#### 5. PUBLICATIONS, CONFERENCES AND SEMINARS/SYMPOSIUM

YEAR	PUBLICATIONS			CONFERENCES			SEMINARS/SYMPOSIUM		
	Inter National	National	State	Inter National	National	State	Inter National	National	State
2006				Participated 1		Participated 1			
2010				Presented 1					
2011								Participated 1	
2014									Participated 1
2016	3			Presented 1				Participated 1	
2017		1			Presented 1				

##### 5a: Publications

- B.I Aldi, J.S Kadadevarmath, N.P Bannibagi, “Design and Implementation of a PLC based Electricity Supply Switching Control System”, **International Organization of Scientific Research Journal of Electrical and Electronics Engineering (IOSR-JEEE)**, p-ISSN: 2320-3331, e-ISSN:2278-1676, May-June 2016, 11(3.III):43-50, DOI: 10.9790/1676-1103034350, Impact Factor:1.452, UGC Approval Journal Sl. No. 4198
- Aldi B.I, Kadadevarmath J.S, Bannibagi N.P, “Design and Implementation of a Programmable Logic Controller Based Day Lighting Control System”, **Indian Journal of Engineering, an International Journal**, e-ISSN: 2319-7765, p-ISSN: 2319-7757, July 2016, 13(33): 477-486.
- B.I Aldi, Dr. J.S Kadadevarmath, and N.P Bannibagi, “A Laboratory Design model for Building’s Heating, Ventilation and Air Conditioning using Programmable Logic Controller and Supervisory Control and Data Acquisition”, **World Journal of Engineering Research and Technology**, ISSN 2454-695X, July 2016, 2 (4):155-169.
- B.I Aldi, J.S Kadadevarmath, and N.P Bannibagi, “Design and implementation of PLC program for real time automatic switching control of different power sources” , Journal of

**Instrumentation Society of India (ISOI)**, ISSN: 0970-9983, June 2017, 47 (2) :33 – 37, UGC Approval Journal Sl. No. 45516

### 5b: Conferences

- Participated in the first **state conference of the Karnatak Darshan Parishat**, on 16- 18 July 2006 held in Ishwariya University, Yellapur-Karnataka, India.
- Participated in the deliberations of the fifth Conference of the **International Congress of Social Philosophy**, on 16- 18 July 2006, held in Ishwariya Vishwavidyalaya, Yellapur-Karnataka, India.
- Presented paper titled “Design and Implementation of Automatic Controller for HVAC System – a PLC Based Approach” at the **International Conference on Communication, Computation, Control and Nanotechnology (ICN 2010)**, held during October 29-30, 2010 at Rural Engineering College, District Bidar, Karnataka.
- Presented paper titled “Programmable Logic Controller Based Electricity Control System” by B.I Aldi, J.S Kadadevarmath and N.P Bannibagi, at the **6<sup>th</sup> International Advanced Computing Conference (IACC 2016)**, organized by IEEE Computer Society – India Council and S R K R Engineering College, Andhra Pradesh during February 27-28, 2016.
- Presented paper titled “Design and Implementation of Automatic Control for Electricity Supply in Building Automation System using Programmable Logic Controller” by B.I Aldi, J.S Kadadevarmath and N.P Bannibagi, at the **UGC sponsored National Level Conference on Advances in VLSI and Microelectronics** held on 27th Jan. 2017 organized by the Department of Electronics, KLE Society’s P.C Jabin Science College – Hubballi.

### 5c: Seminars/Symposium

- Participated in conducting workshop on PLC and SCADA Automation at **National Level Technical Symposium** organized by EEE department in Godavari Institute of Engineering and Technology, Rajahmundry, Andhra Pradesh, India, during 17<sup>th</sup> and 18<sup>th</sup> March 2011.
- Participated in **State level seminar on “Advances in Nanodevices and Applications”**, Sponsored by University Grants Commission, New Delhi, on 11<sup>th</sup> and 12<sup>th</sup> September 2014, organized by Department of Physics, JSS Banashankari Arts, Commerce and S.K Gubbi Science college, Vidyagiri, Dharwad.
- Participated in **National level seminar on “Photonics and its Applications”**, Sponsored by University Grants Commission, New Delhi, on 16<sup>th</sup> and 17<sup>th</sup> September 2016, organized by the Department of Physics, JSS Banashankari Arts, Commerce and Shantikumar Gubbi Science College, Vidyagiri, Dharwad, Karnataka.

## 6. WORKSHOPS/TRAINING

- Conducted one day **workshop on PLC and SCADA automation**, organized by Instrumentation department in B.V Bhoomreddy college of Engineering and Technology, Hubli, Karnataka, India, in June 2011.
- Attended a full time course of advanced training in **GE-FANUC PLC PROGRAMMING AND APPLICATIONS** for one week, conducted by Government of India, Ministry of Labor and Employment, Directorate General of Employment & Training, Advanced Training Institute, Chennai from 21/11/2011 to 25/11/2011
- Attended faculty development program on **Pedagogical Skills Development**, conducted by Government of Karnataka, Center for Continuing Technical Education, Karnataka, K.H Kabbur Institute of Engineering under the KHK Canada India Institutional Co-operation Project (KHKCIICP), held at Seminar Hall of JSS College on 22<sup>nd</sup> January 2012.
- Conducted one day workshop on **PLC and SCADA automation**, organized by Electrical department in Sri. Dharmasthala Manjunatheshwar college of Engineering and Technology, Dharwad, Karnataka, India, in July 2013.
- Conducted one day workshop on **Programmable Logic Controller** in K.H Kabbur Institute of Engineering, Government Aided AICTE – NBA Accredited Polytechnic, organized by Department of Mechantronics, Dharwad, India, on 12<sup>th</sup> December 2015.
- Visited **Advanced Training Institute for Electronics and Process Instrumentation at Telangana**, Hyderabad for research work on electricity control using Programmable Logic Controller in 2015.

## 7. PROJECTS/ASSIGNMENTS

- ❖ Supervised as a **Principal Investigator for the project on “Solar Panel Control System”**, Sponsored by Vision Group on Science and Technology – Bangalore, under Science Projects in Collegiate Education (SPiCE) program during the year 2010-2011.
- ❖ Appointed as one of the **Judges for the Taluka level, High School students’ Science Project Exhibition Competition 2015-16**, organized by DSERT Bangalore and sponsored by District Institute of Education and Training society, Government of Karnataka, Dharwad. d
- ❖ Worked as an **Evaluator for Karnatak University UG Theory/Practical Examinations** since October 2006.