

Dr. Anand G. Buddhikot

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SUMMARY

Education Qualification:

M.Sc Electronics, M.Phil. (2009 SPPU), UGC NET (2013), Ph.D. (2018 SPPU)

Ph.D from **Savitribai Phule Pune University (SPPU)**, **Research place Fergusson college**, **Title** "Design of Multimodal Smart Interface for Infotainment System with Improved Noise Immunity". Under the Guidance of Dr. Nitin Kulkarni and Dr. Arvind Shaligram

M.Phil from **Savitribai Phule Pune University**, **Research place Department of Electronic Science, SPPU**, **Title** "Development of Reconfigurable Data Acquisition system for Sensor Network". Under the Guidance of Dr. Nitin Kulkarni

University Grants Commission National Eligibility Test for Lectureship UGC-NET 2013 Qualified

Junior Research Fellow (2006-2008) JRF: The research Work was funded by **Indian Space Research Organization ISRO**

"Design of Reconfigurable Embedded System Platform for Data Collection".
The project was successfully completed and submitted to ISRO-Cell.

Research Area: Embedded Systems, Image Processing, Gesture Interface, Automation, Sensor Network, Wireless network

Profile:

❖ Working as Assistant Professor in Electronics at Kaveri College of Arts, Science and Commerce since **1st August 2008 till date**. During the period has shouldered **administrative and other responsibilities as Head / Chairman of committees they are as follows:**

- *National Service Scheme (20010-2017)*
- *Adult and Continuing Education and Extension (2011-13)*
- *Industrial Visit, Student Development (2010-11)*
- *NAAC criteria 5. (2013 till date)*
- *Student Development Officer (2017 till date)*
- *Science association (2017 till date)*

❖ Having an **academic and research blend** with a professional experience of **17 years**.

- Prior worked as Assistant Professor at Modern College Sivajinagar for **Undergraduate and Post graduate Section (2002-2006)**
- Worked as Junior Research fellow **JRF** for the project funded by **ISRO during 2006-2008 at research place Fergusson College**
- Currently working on Board of College and University Development **BCUD sanction scheme amount Rs.1,20,000/-**.
Title of project "Design Of Projector Assisted Intelligent Human Machine Interface (HMI)"
- Presented and published **more than 14 research papers in National / International journals** (list attached)

- ❖ On other fronts, **Member of** Kaveri research and Innovation Center, Account and Audit committee, **Anti-Ragging Committee & Internal Complaint committee**
- ❖ Presently, heading **three main committees** Student Development, Science association and NAAC criteria 5.

Awards:

- ❖ **Honored and appreciated by Kannada Sangha in 2013, 2016 and 2019** for achievements and dedication in work
- ❖ **Awarded as Best National Service Scheme Programme Officer at District Level by Savitribai Phule Pune University.**

Other Credits:

- Worked as **resource person for University level Seminar** on "Advanced Trends in Embedded Technology " at Pratibha College of Commerce and computer studies on 11 January 2011
- Worked as **Referee/ Judge for Imagine 2016** "Project cum Poster Competition of Electronic Science" organized by Department of Electronics, Modern College of Arts, Science and Commerce Pune.

Contributions to the Institution in terms of value addition:

- ❖ **Initially in 2008-2009** attended various workshops on **implementation of SYBSc syllabi** and implemented the developments at our college. **Further, developed the experimental setup for S.Y. Class**
- ❖ During 2009-10 had organized and **delivered lectures for promoting courses** taught at our institution in various Jr. College (Summary attached). Also distributed pamphlets **for promotion of various courses**

- ❖ **In 2013** had arranged and worked as head for **EDU FEST by DNA** the event was for promoting various courses conducted at our institution
- ❖ As a NSS Programme officer (2010-2017) worked effectively for the **betterment of college unit and adopted Village**
- ❖ During the tenure many noteworthy tasks were completed for adapted villages they are as follows
 - **Minor Dam**
 - **School garden**
 - **Ground**
- ❖ Many projects like Water Management, Health care, Plastic free village, tree plantation and maintenance, compost culture were successfully implemented in the village
- ❖ The adapted Village Kasar Amboli has won **Most Prestigious Nirmal Gram Award and also ISO Certification**
- ❖ The amount sanctioned by Savitribai Phule Pune University for Regular activity and **Camp activity during (2010-2017) was Rs.21,000 and Rs.29,500 respectively per year were utilized effectively. The expenditures were duly audit at SPPU**
- ❖ Under regular activities cleanliness drive, blood donation drive, tree plantation drives, awareness rallies were conducted
- ❖ The National Service Scheme (NSS) Unit of College has **won three Prestigious Awards during the Programme Officer tenure**
 - District Level Best NSS Volunteer Award in the year 2013-14 to Mr. Sahil Kelkar
 - District Level Best NSS Unit Award To Kaveri College of Arts, Science and Commerce in the year 2015-16

- District Level Best NSS Programme Officer Award to Anand Buddhikot in the Year 2015-16

- ❖ As Program Officer took special efforts in motivation students to participate in various State level and National Level Camps accordingly many students had participated in such camps
- ❖ Have taken efforts **to work in collaboration** with **Matoshree Ashram, Gandhi Smarak Nidhi and Poona Serological Institute**
- ❖ Also took efforts towards the appreciation of good work done by volunteers in accordance Mr. Swapnil Mishara was felicitated at the **award function of SPPU** for his commendable work during Police Mitra for Ganesh Feshtival. His work was also appreciated in written by **the head of Deccan Police station**. Mr. P. S Sarth was felicitated with appreciation letter at **Gandhi Bhavan**. The Poona Serological Blood bank has felicitated NSS unit for **regularly and successfully conducting blood donation camps**
- ❖ At the end of academic year the **report submission and audit of sanctioned funds were done successfully at SPPU**
- ❖ **At times college authorities have duly appreciated the work done by NSS Unit.**

- ❖ **As Student Development Officer successfully conducted various workshops and schemes (From 2017 till date)**
- ❖ The Special Guidance Scheme was implemented at college and various lectures were conducted under this scheme. The SPPU Sanctioned amount Rs.9000/- was effectively utilized for the academic year 2017-18
- ❖ College has won **District level first Prize in Magazine Competition** held at SPPU in 20017-18.

- ❖ Vachan Prerana Din, Swachata Abhiyan and special guidance sessions were regularly conducted and their reports were submitted to SPPU.
- ❖ **Karmavir Bhaurao Patil Earn and Learn Scheme** through which college students can work in college and earn money. The 90% honorarium amount for their work is **sanctioned by Savitribai Phule Pune University**. In the year 2016-17 the sanctioned amount was **12,537/-** and for year 2017-18 was **Rs. 64,455/-**
- ❖ **Disaster Management Workshop** was conducted in 2018-19 with a sanction of amount **Rs. 25000/-** . The resource person were from NDRF and Disaster management Cell Corporation
- ❖ **Workshops** like Career Opportunities in Research for Science students Creative writing, GST awareness, Research and innovation, dance therapy and Idea generation camp were conducted which were funded by under SDO
- ❖ **At the end of academic year the report submission and audit of sanctioned funds were done successfully.**
- ❖ Under Science Association many renowned persons like **Dr. Milind Pande, Project Director, MIT Group of Institutions**, Mr. Pradip Surale from Big data Engineer, **Dr. Jayashree Bangali from Kaveri College of Arts, Science and Commerce** were invited to share their expertise with students
- ❖ Intercollegiate competitions for PowerPoint Presentation in Electronics and Computer Science, Concept Exploration Competition in Mathematics and Statistics, C language Programming Competition and Software project competitions were conducted in **2017-18 & 2018-19**

Professional Development Activities:

- ❖ **Chairman of Paper Setting Committee Savitribai Phule Pune University** for S.Y.B.Sc (Computer Maintenance) till date
- ❖ **Coordinator Savitribai Phule Pune University** T.Y.B.Sc (Computer Maintenance) till date
- ❖ **Worked as Moderator and Examiner** for S.Y.B.Sc (Computer Science) at **Savitribai Phule Pune University**
- ❖ **worked as senior and Junior Supervisor for exam duty at** Kaveri college and other colleges.

Additional Responsibilities :

- **Worked as Presiding Officer for Election Duty on 15 October 2014**
- **Worked as Presiding Officer for Election Duty on 21 February 2017**
- **Worked as Presiding Officer for Election Duty on 23 April 2019**

Other Certificates:

- **Diploma in computer Hardware Eng. (2004), Global Computer Training Academy , Pune, "A" grade.**
- **Advance Diploma in Information Technology (2000) Suyash Computers, Pune, "C" Grade.**
- **NCC (Rank CQMS), "C" certificate BEE Grade**
- **NCC "B" Certificate C grade.**

TECHNICAL BIODATA

Educational Qualification

Sr.	Qualification/Degree	University / Institution	Year	Marks/Grade
1	Ph.D in Electronic Science	Savitribai Phule Pune University	3 rd April 2018	Awarded
2	NET	UGC	25 th March 2013	60%
3	M.Phil in Electronic Science	University of Pune	18 th September 2009	A Grade
4	M.Sc Electronic Science	Modern College of Arts, Science and Commerce	April 2002	61.55% First Class
5	B.Sc Electronic Science	Abasaheb Garware college of Arts and Science	April 2000	55% Higher Second Class

Summary of Professional Experience 17 years

Teaching: 15 years

Research: 2 years Junior Research Fellow

Sr.	College	Duration	Responsibilities
1	Modern College of Arts, Science and Commerce, Shivajinagar Pune	1 st August 2002 to 16 th May 2006 (Four Years)	Assistant Professor Under Graduate and Post Graduate Section
2	Fergusson College	17 May 2006 to June 2008 (Two Years)	Junior Research Fellow Research Work funded by ISRO
3	Kaveri College of Arts, Science and Commerce	1 st August 2008 Till date	Assistant Professor Under Graduate section

Professional Development Activities

SPPU Examination and Curriculum Experience

Sr.	Faculty	Duration	Responsibility
1	S.Y.B.Sc (Computer Maintenance)	Since 2008	Paper Setter
2	S.Y.B.Sc (Computer Maintenance)	Since 2014	Chairman Paper Setting Committee (Computer Maintenance)
3	T.Y.B.Sc (Computer Maintenance)	Since 2016 Till Date	Coordinator Practical Session
4	S.Y.B.Sc (Computer Science)	2012-2013	Paper Setter and Moderator

Awards and Appreciations

Sr.	Award	Duration	Institution
1	Certificate of Honour	5th September 2013	Kannada Sangha Pune
2	Best NSS Programme Officer District level	2015-16	Savitribai Phule Pune University, National Service Scheme
	Best College (NSS) District Level	2015-16	Savitribai Phule Pune University, National Service Scheme
3	NSS Certificate of Appreciation	2010-2013	University of Pune, NSS (for successfully completing 3 years)
4	Best Achievement Award	2016-17	Kaveri College of Arts Science and Commerce
5	Ph.D Appreciation Award	2018-19	Kaveri College of Arts Science and Commerce

Additional Activity / Responsibilities

Sr.	Responsibility	Duration	Details
1	National Service Scheme (NSS)	2010 to 2017	Programme Officer
2	Adult and Continuing Education and Extension	2011 to 2013	Committee Head
3	Industrial visit	2010-2011	Committee Head

4	Student's Development	2017 till date	Committee Head
5	Science Association	2017 till date	Committee Head
6	Criteria V (NAAC)	2013 till date	Committee Head

Exam responsibilities External/ internal Senior Supervision

Sr.	Exam	Place	Duration	Responsibility
1	BBA/BBA IB, BBA CA	SMT. Kashibai Navale College of Commerce	8/10 2014 to 21/10/14	External
2	SYBSc, TYBSc, SYBCA, TYBCA, SYBBA, TYBBA	Kaveri College of Arts, Science and Commerce	12/4/14 to 5/5/2014	Internal
3	SYBSc, TYBSc, SYBCA, TYBCA, SYBBA, TYBBA	Kaveri College of Arts, Science and Commerce	12/4/14 to 5/5/2014	Internal
4	BBA/BBA IB, BBA CA	SMT. Kashibai Navale College of Commerce	18/11/17 to 15/11/17	External
5	MSc CS	Kaveri College of Arts, Science and Commerce	2/5/18 to 17/5/18	Internal

Research Experience

Sr.	Scheme	Funding Agency	Amount
1	Minor Research Scheme (2016-2018) Project is granted and work in progress	BCUD	1,20,000

Refresher/ Orientation

Sr.	Course	Duration	Place	Grade/ Remark
1	Refresher Course in Electronics	24 th April 2009 to 14 th May 2009	University of Pune	"A" Grade
2	Orientation Course for Programme Officers of NSS	18 th to 27 th Nov 2010	Ahmednagar College, Ahmednagar	Successfully Completed
3	As SDO attended FDP	25th to 27th Feb	Kaveri College of Arts,	Successfully

	Role of Support service staff in quality Assurance, Assessment and Accreditation	2019	Science and Commerce	Completed
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Papers Presented/ Published International

1. Anand G. Buddhikot, Nitin M. Kulkarni, Arvind D. Shaligram, “Designing Gesture Interface for Automotive Environment”, International Journal of Innovative Research in Advanced engineering (IJIRAE) ISSN: 2349-2763, Issue 06, Volume 3 (June 2016),pp-148-151 www.ijirae.com.
2. Anand G. Buddhikot, Nitin M. Kulkarni, Arvind D. Shaligram, “Multimedia Access through Gesture Interface for Infotainment System”, International Journal of Advanced Computer Engineering and Communication Technology (IJACECT), ISSN (Print): 2319-2526, Volume-5, Issue-3-4, 2016.
3. Anand G. Buddhikot, Nitin M. Kulkarni, Arvind D. Shaligram, “Design of Multimodal Interface for In-vehicle Infotainment System”, International Journal of Automotive Electronics, ISSN: 2051-5995, RECENT SCIENCE PUBLICATIONS ARCHIVES |December 2016|\$25.00 | 27704846|
4. A.G Buddhikot, N.M.Kulkarni, “Analysis of Human Machine Interfacing techniques and its feasibility for Infotainment system”, International Conference on Current trends and challenges in Management, Engineering, Computer application and Technology, ICCTCMECAT-12, Vol.1, Issue 6(V), March 2012, ISSN No: 2249-7455, Aurangabad.
5. Anand G. Buddhikot, Nitin M. Kulkarni, Arvind D. Shaligram, “Hand Gesture Interface Based on Skin Detection Technique for Automotive Infotainment System”, *I.J. Image, Graphics and Signal Processing*, IJIGSP Vol.10, No.2, Feb. 2018. PP.10-24 ISSN: 2074-9074 (Print), ISSN: 2074-9082 (Online) Published By: MECS Press.
6. Presented a paper entitled “Reconfigurable Embedded Network System for Distributed Data Collection Platform”, International conference on Emerging Techniques in Computing, Electronics, Embedded System and VLSI Design, 20-21 March 2008, ICEVD 2008, at Ahmednagar

Papers Presented/ Published National

7. Anand.G Buddhikot, N.M.Kulkarni, A. D. Shaligram, “Potential Approaches for Effective Interface with Infotainment System”, National Conference on Emerging Trends in Computer Science and Computer Applications, Proc. NCETCS-2013, ISBN: 978-93-5137-872-3,pp 98-101, Fergusson College Pune.
8. Anand G. Buddhikot, Nitin M. Kulkarni, Arvind D. Shaligram, Revati N. Kulkarni. “Constraints Analysis of Hand Free Interfaces for Infotainment System”, Speed Journal of Research in Electronics, ISSN 2349-8226, Vol:1, Issue-1, Sep 2014, pp 61-66.
9. Anand G. Buddhikot, Nitin M. Kulkarni, Arvind D. Shaligram, “Tracking Eye Pupil as Gesture Interface for Windows Utility”, National Conference on Advances in Electronics and its Interdisciplinary applications, Proc. NCAEIA, 19-20 sep 2014, ISBN 978-93-5174-783-3,Fergusson College, Pune.
10. Anand G. Buddhikot, Nitin M. Kulkarni, Arvind D. Shaligram, “Gesture Interface for Power Point through skin recognition”, National Conference on Advances in Electronics and its Interdisciplinary applications, Proc NCAEIA 19-20 sep 2014, ISBN 978-93-5174-783-3, Fergusson College, Pune.
11. Anand G. Buddhikot, Nitin M. Kulkarni, Arvind D. Shaligram, “Design of Gesture Based HMI for Image Projection System ”, National conference on applications of computer and electronic science, 2017,Proc NCACES-20-21 Jan 2017, ISBN: 978-81-926543-2-4, Pune
12. Anand G. Buddhikot, Nitin M. Kulkarni, Arvind D. Shaligram “Design of gesture based HMI for image projection system ”,Proceedings of National Conference on Applications of Computer and Electronic Science, 20-210 Jan 2017,ISBN: 978-81-926543-2-4
13. Presented a paper entitled ‘Design of Projector assisted Intelligent Human Machine Interface’, at the Regional Research Conference ‘Innovation 2017’ held at C.T Bora College, Shirur.
14. Presented a paper entitled ‘ Development of Reconfigurable Sensor data Acquisition network based on Microcontroller Master-Slave Architecture’ at UGC Sponsored National Seminar on Recent Advances in Sensor and Instrumentation, NSRASI-07, at Akulj

Other Contributions

1. Participated in **workshop on syllabus- Presentation and Feedback** on 3 Dec 2008 at Saint Mira ‘s college of Girls Pune

2. Actively participated in **Syllabus reconstruction workshop** during 16th & 17th September 2009-10 held at Abasaheb Garware College
3. Attended two day workshop on **implementation of SYBSc syllabi** on 7th & 8th Dec 2009 at Modern College and implemented the developments at our college. **Further, developed the experimental setup for S.Y. Class**
4. Attended **workshop on implementation of SYBSc CS** Electronic syllabus on 27 July 2014 at St. Mira's College for Girls, Pune
5. **During 2009-2010 organized and delivered lectures for promoting BSc (CS) course at various Jr. Colleges. Also distributed pamphlets for promotion.**

Sr.	Event	Date	Place	Activity
1	Promotion to courses	21 st Dec 2009	Mama Saheb Mohol College	Delivered a talk
2	Promotion to courses	30 th Dec 2009	Navabharat Jr, College	Delivered a talk
3	Promotion to courses	5 th Jan 2010	Shushila Bahudhani Jr. College	Delivered a talk

6. **Coordinated the Edu Fest by DNA during May 2013 for promoting courses (BSc, B.Com, BCA and BBA**
7. **Attended Two day State Level Faculty Development Programme on E-Content Development” On 5th and 6th January 2019 at Kaveri College of Arts Science & Commerce Pune**
8. **Attended One Day workshop on "New NAAC Revised Accreditation Framework " On 30th March 2018 at Kaveri College of Arts Science & Commerce Pune**

DECLARATION

I am hereby declared that the above mentioned details are true and correct to the best of my knowledge.

Anand Buddhikot

Name & Signature with date