

Vaibhav K Kakade
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CURRENT ADDRESS:

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Yaramal Road Vadgaon 590005
Belagavi District, Karnataka, India

Curriculum Vitae

Educational Background:

- **Master of Technology, Digital Electronics, 2013**
Obtained percentage of Marks: **74 %**
Visvesvaraya Technological University – KLS Gogte Institute of Technology Belagavi
Graduation: 2013
- **Bachelor of Engineering, Electronics and Communication Engineering, 2008**
Obtained percentage marks: **64 %**
Visvesvaraya Technological University – Tontadarya College of Engineering, Gadag
Graduation: 2008
- **Ph.D (Electronics & Communication Engineering)**
Registered at G.M.I.T Davangere in 2021 (Course work completed).

Present Designation: H.O.D & Assistant Professor in the Department of E&CE., at Maratha Mandal Engineering College, Belagavi

Working Experience: 15 years of teaching experience in Maratha Mandal Engineering College Belagavi.

Present Roles and Responsibilities:

1. **Admission Head coordinator:** Starting from making the strategies to improve admissions, taking eligible students for admission and till admission approval from DTE/KEA/VTU, complete college admission process is monitored.
2. **NAAC coordinator:** Working as a College level NAAC coordinator, starting from making the formats, work allocation to other staff as per criteria and follow up of work completed everything is monitored.
3. **AISHE coordinator:** As per the deadlines by AISHE/VTU every year college data is uploaded to AISHE portal.
4. **S.S.P. Nodal officer:** State scholarship nodal officer of the institute, presently taking care of students issues while applying for scholarship, online document e-attestation work.

Projects carried out:

- Implementation of DS-CDMA transmitter and receiver in VHDL for FPGA (M. Tech)
- Advanced e-car-Alcohol breath analyzer with ignition cutoff & vehicle antitheft using RFID (B.E)

WORKSHOPS/ CONFERENCES ORGANIZED OR ATTENDED

2009	Attended 3 days faculty Development Program “ANVESHAN” A Paradigm change in teaching methodology from 23rd to 25th March 2009 at M.M.E.C, Belagavi
2011	Attended 3 days faculty Development Program “Medical Cybernetics” from 10th to 12th Feb 2011 at P.D.A. Gulbarga.
2013	Organized two day workshop on “Latest Trends in EDA for Digital Electronics and VLSI technology” on 22nd & 23rd August 2013 at Maratha Mandal Engineering College Belgaum.
2013	Attended and presented paper in National Conference “Innovative Development & Emerging Research Avenues in Software Technologies (IDEAS)” at Gogte Institute of Technology Belgaum on 11th Oct 2013 .
2014	Organized one day National Level Paper presentation Conference “TECHNOTRONICS’14” ON 25th June 2014 at Maratha Mandal Engineering College Belgaum
2014	Attended the National level conference NC-EMPIRE 2014 on 28th Feb to 1st March 2014 , Organized by ATS’s SBGI, Faculty of Engineering Management & Polytechnic, Miraj.
2020	Attended one week faculty development programme on “OBE and NBA Accreditation process” from 07/01/2020 to 11/01/2020 organized by KLS Gogte Institute of Technology Belagavi.
2020	Attended National Level Faculty Development program on “Current Trends and Research Opportunities in Information Technology” , organized by Tonatadarya College of Engineering Gadag, from 6 th July 2020 to 10 th July 2020.
2020	Attended one day workshop on “LaTex” , on 24 th June 2020, organized by Department of Applied Science, MMEC, Belagavi.
2020	Attended one day workshop on “Quoting Citation and Reference Management” held on 22 nd June 2020, organized by department of Library, MMEC, Belagavi.
2020	Attended one day workshop on “Adobe Photoshop” , on 18 th June 2020, Organized by Department of Computer Science, MMEC, Belagavi.

2020	Attended Webinar on “ Design and Fabrication of low cost Microfluidic Device for polymerase Chain Reaction(PCR) ” , on 15 th June 2020.Resource person Dr. Somashekar Bhat, Professor and Associate Director, MIT Manipal. Organized by Maratha Mandal Engineering College Belagavi.
2022	Organized two days workshop on “Analog and Digital circuit simulation” using Cadence tool, resource person Mr.Priyanshu Datta Entuple Technologies Pvt Ltd Bangalore on 31.12.2022 and 02.01.2023.
2023	Organized “Brain Train” hobby project competition for all 1 st and 2 nd year students of MMEC on 10.02.2023
2023	Organized Essay competition to pay tribute to ex-president of Maratha Mandal shri Nathajirao Halgekar for all PUC and degree college students of Maratha mandal on 22.07.2023.
2023	Organized workshop on “Code free web Development: Unlocking Websites without programming” resource person Prof.Asifali Jamadar on 07.12.2023
2023	Organized one day faculty development program on “Preparedness for NAAC as per Revised Quality Indicator Framework (QIF)” resource person Dr.M.B.Kothali on 10.12.2023.
2023	Organized seminar on “Cultivating Innovation: Empowering Success through Inspirational Discourse” resource person Mr.B.G.Moger Principal GTTC Belagavi.
2024	Attended one day seminar on “Intellectual Property Rights (IPR)” by Dr. Santosh Nejakar on 10.01.2024.
2024	Resource person for two days hands-on wrkshop on “IoT system design” on 17.01.2024 and 18.01.2024.
2024	Attended the session on “Digital Marketing” by Mr.Omkar Dalvi Director, Vijomidigital technology on 18.01.2024.
2024	Organized workshop on Stem skills for women on “ VLSI Technology ” on 05.02.2024 in association with Learning Link Foundation.
2024	Attended one day workshop on “Entrepreneurship” an essence (The soul) of A modern engineer by Jagadish Bapat on 09.02.2024 at MMEC, Belagavi.
2024	Organized one day hands on workshop on “VLSI Technology using Cadence tool” on 26.06.2024. The resource person was Dr. Vikas Balikai from HCL technologies.
2024	Organized a technical talk on “Entrepreneurship and Business plan” on 12.07.2024. The resource person was Dr. Poornima Charantimath.
2024	Organized two days hands on workshop on “Oracle SQL for beginers” on 13.07.2024. The resource person was Mr. Nagesh Wandre, Quinstreet softwares.

Paper Publications:

1. Published the paper titled **“Implementation of DS-CDMA transmitter and receiver in VHDL for FPGA”** in International Journal of Latest Trends in Engineering and Technology (IJLTET), Special Issue IDEAS-2013, ISSN-2278-621x Page 158-166.
2. Published the paper titled **“Gaussian Filtered MSK for GSM, An efficient Implementation”** in International Journal of Engineering Associate (IJEa) in volume 3, Issue 3.
3. Published the paper titled **“WBC Nuclei Segmentation by G.S. Orthogonalization and classification for Leukemia detection”**, in International Journal for Scientific Research and Development (IJSRD), Volume-3, Issue-3, March 2014, ISSN-2320-0804.
4. Published the paper titled **“Brain Tumor Detection and Analysis using SVM and LVQ classifier”**, in International Journal for Scientific Research and Development (IJSRD), Volume-3, Issue-3, March 2014, ISSN-2320-0804.
5. Published the paper titled **“Histopathological Biopsy Image Classification Based on Convolutional Neural Network”**, in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Volume-5, Issue-4, April 2016 ISSN-2278-8875.
6. Published the paper titled **“Hybrid Image Fusion Technique For Clinical Diagnosis ”**, in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Volume-5, Issue-4, April 2016 ISSN-2278-8875.
7. Presented and published paper on **“Flood Detection using Remote Sensing Images”**, in the 1st International Conference on Innovation in Computer Science, Electrical and Electronics Engineering (ICICEE 2020), organized by Channabasaveshwara Institute of Technology Gubbi Tumkur, In association with Technical Institute for Engineers (T.I.E), Bengaluru on 3rd July 2020.

Citation Score by Google Scholar

Cited by	
	All
Citations	37
h-index	2
i10-index	1

Subjects taught at Undergraduate level:

- Logic design-Digital Electronics.
- Fundamentals of HDL.
- Basic Electronics.
- Satellite Communication.
- Digital System Design using Verilog.
- Digital Signal Processing.
- Microprocessor.
- DSP architecture and Algorithms.
- Operating System.
- Multimedia Communication.
- Analog Communication.
- Computer Communication Networks.
- Introduction to Electronics & Communication.
- IoT

Subjects taught at Postgraduate level:

- Modern DSP
- Advanced computer Networks
- Advanced DSP
- Digital circuits and logic design

Overall Responsibilities carried out so far:

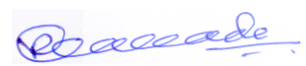
- Head of the department of Electronics & Communication Engineering.
- Head of Admission Process Committee.
- Head of NAAC committee at College Level.
- Departmental NBA/OBE coordinator.
- AISHE/NIRF Nodal officer of Institute.
- E-attestation officer for State post matric scholarship.
- Assisted to BOE in lab examination allocation.
- LIC committee documentation coordinator.
- Department Head coordinator for the National level Tech fest **OJAS** in the year 2012,13,14,15,16
- Academic coordinator
- Transport coordinator
- Internal Assessment coordinator
- Project and Seminar coordinator
- Guided more than 25 UG and 5 PG projects, 4 projected selected for sponsorship by KSCST Bangalore.
- Worked in various department and college committees.

Declaration:

I hereby declare that the above mentioned information is true and correct to the best of my knowledge.

Date: 16.07.2024

Yours faithfully,


(Vaibhav Kakade)