

## **CURRICULUM VITAE**

**VINAY KUMAR B C** B.E.,M.Tech.,

**Email:** [vinaykmr92@gmail.com](mailto:vinaykmr92@gmail.com)

**Mob:** +919742290659

Name:	<b>Vinay Kumar B C</b>			
Father's Name:	CHALUVAIAH			
Date of Birth:	23-03-1988			
Address:				
Address: S/O Chaluvaiah, School Teacher, Basaralu , Mandya Taluck and District PIN-571416 Mob:9742290659				
Qualification:	<b>B.E, M.Tech.</b>			
<b>Details of Educational Qualification :</b>				
<b>Degree</b>	<b>Year</b>	<b>University/College</b>	<b>Specialization</b>	<b>Result</b>
M.Tech.	2011	V.T.U. (K.V.G. College of Engineering,Sulia)	Digital Electronics and Communication	FCD (76.42%)
B.E.	2009	V.T.U. (B.G.S.I.T,Mandya)	Electronics and Communication Engineering	FC (60.81%)

<b>Professional Experience:</b>		
<b>Institution</b>	<b>Duration</b>	<b>Designation</b>
S.R.S Institute of Technology, Bangalore	18 .02.2011 to 20-07-2018	Assistant Professor
Sri Venkateshwara College of Engineering, Bengalure	07-08-2018 to 25-07-2019	Assistant Professor
Sri Krishna Institute of Technology	13-02-2020 to Till date	Assistant Professor
<b>Whether Examiner / Paper Setter / Valuer of any University :</b>	Paper Setter, Practical Examiner & Theory Paper Valuator of V.T.U, Reva University, MSRIT, NMIT, NCET.	
<b>Subjects Taught :</b>	<ol style="list-style-type: none"> <li>1. Digital Signal Processing</li> <li>2. Basic Electrical Engineering</li> <li>3. Analog Electronics</li> <li>4. Computer Communication Networks</li> <li>5. Basic Electronics</li> <li>6. Advanced Microprocessor</li> <li>7. Signals and Systems</li> <li>8. Network Analysis</li> <li>9. Multimedia Communication</li> <li>10. Digital Image Processing</li> <li>11. Power Electronics</li> <li>12. Fiber optics and Networks</li> <li>13. Kannada Manasu and Kannada Kali</li> </ol>	
<b>Practical Handled :</b>	<ol style="list-style-type: none"> <li>1. Digital Signal Processing Lab</li> <li>2. Logic Design Lab</li> <li>3. Analog Electronics Lab</li> <li>4. Computer networks Lab</li> <li>5. LIC +Communication Lab</li> <li>6. Microprocessor Lab</li> <li>7. Micro controller lab</li> </ol>	

### **Personal Achievements / Credentials:**

- Best Student Award During M.Tech Program 2011.
- Completed a Course on “**MASTER OF NETWORK ADMINISTRATION (MNA+)**” at Jetking Rajaji Nagar, Bengaluru.
- Participated as Volunteer in “**INDIAN RED CROSS SOCIETY**” On 13-04-2019 at **Sri Venkateshwara College of Engineering, Bengaluru.**

- Participated in “Lazy Dance” at Shruti 2019 held on 30<sup>th</sup> March at Sri Venkateshwara College of Engineering, Bengaluru.
- Participated in “Ramp walk ” has Secured 1<sup>st</sup> Prize at Shruti 2019 held on 30<sup>th</sup> March at Sri Venkateshwara College of Engineering, Bengaluru.

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### **List of Projects Handled:**

#### **Project1:**

**Title: “Portable Book-Reader In Kannada Language An Aid For Visually Challenged”.**

**Description:** Books are the major sources of knowledge to a large portion of the population, even in the present world of internet. To make this knowledge accessible to visually challenged, a system is developed in which the documents are scanned to obtain the digital images, later processed by our MATLAB code to generate a voice output corresponding to the characters in the image. These audio files can then be played on any commercially available MP3 players. Thus the books can be heard by blind persons, without any difficulty.

#### **Project2:**

**Title: “Transformer Health Monitoring and Security”**

**Description:** This project focuses mainly on the efficiency of monitoring process of the transformer by using wireless communication that eliminates the use of large cables which are of high cost, low reliability and maintenance. The GSM networking helps in better way of communication which enhances the improvement steps in this process.

#### **Project 3:**

**Title: “Synchronization of ADHOC Network Using Mutual Network Synchronization Algorithm”.**

**Description:** Network Synchronization is a distributed method in which geographically separated clocks aligns their time to one another with the need of reference or master code. Network synchronization is used for ad hoc networks because of specific nodes with reference clocks. Ad hoc networks are characterized for rapidly changing topologies, presenting challenge for time synchronization and the challenge is true in ground military networks.

#### **Project 4:**

**Title: “Wireless Eye Movement Controlled Human Machine Interface”.**

**Description:** In this project the HCI system three to five electrodes are employed to attain the EOG signals. Outputs of electrodes are amplified and filtered this is our front end electronics after that using A/D converter signal is digitized and this completes acquisition of signal part. Acquire signals from all electrodes are combined and are sent via RF interface for future pre and post processing of signals. Finally eye movements and eye blink events are extracted and commands are sent to drive cursor on screen. Bio based human interface(HCI) has the potential to enable severely disabled people to drive computers directly by bioelectricity rather than by physical means on screen.

### **Institute Services:**

- Disciplinary Committee member, Mentor
- Workshop/FDP/Seminar/Industrial visit /Conference coordinator

- **NSS Programme officer**
- Sports and Cultural Coordinator
- Internals Assessment and Exam Coordinator
- Project Coordinator
- Time table Coordinator

#### **University Services:**

- Squad Duties for VTU Exams.
- External DCS at various Colleges.
- Evaluator/Moderator
- NSS Programme officer representing college at university level

#### **NSS Activities:**

- Blood Donation Camp is held in the college every year.
- Awareness Program at near by village on Hygeine and cleanness.
- Awareness Program at near by village on importance of voting.
- **“Chintana Mantana”** program conducted on 04/10/2016 at **Sri Revana Siddeshwara Institute of Technology Bengaluru.**

#### **Name of the Conferences / workshops /Seminar/ FDP/Short Term Courses :**

- Attended One Week Internship from **1<sup>st</sup> July 2019** to upgrade knowledge in the field of **Satellite Based Navigation System(GAGAN), Satellite Communication ,VHF Communication** at Airport Authority of India(AAI)
- Participated in the VTU TEQIP 1.3 Sponsored Three Days FDP on **“OUTCOME BASED EDUCATION –NBA”** Organized by **Department of Telecommunication Engineering ,Sir MVIT from 17<sup>th</sup> -19<sup>th</sup> MAY,2019**
- Presented Paper titled **“Design and Synthesis of 3x3 adder using VHA Reversible Logic gate”** in Fourth IEEE International Conference on RTEICT-2019 in association with Bangalore Section organized by **Sri Venkateshwara College of Engineering Bengaluru.** on 17<sup>th</sup> and 18<sup>th</sup> May 2019.
- Co-ordinated Paper Presentation event in National Level Technical Fest **Udyukta 2k19** organized on April 27<sup>th</sup>, 2019 at **Sri Venkateshwara College of Engineering Bengaluru.**
- Delivering a Talk on **“Computer Networks and its Applications using NS2”** for Students and Staffs on **21<sup>st</sup> Feb 2019** at **Sri Revana Siddeshwara Institute of Technology.**
- Participated in one Week National Level Faculty Development Programme on **“Applications and Hands-on Practice in Machine Learning”** held from 8<sup>th</sup> to 12<sup>th</sup> January 2019 at **Sri Venkateshwara College of Engineering Bengaluru.**
- Presented Paper titled **“A Low Cost Portable ECG Monitoring Device”** in Third IEEE International Conference on ICEECOT-2018 in association with Bangalore Section organized by **GSSS Institute of Engineering & Technology for Women, Mysore** on 14<sup>th</sup> and 15<sup>th</sup> December 2018.

- Participated One day Technical Seminar on “**Prior Art Search**” Technically Sponsored by KSCST, Bengaluru held on 24<sup>th</sup> November 2018 at **Sri Venkateshwara College of Engineering Bengaluru.**
- Attended Three days Technical workshop on “**Career Planning and Programming Skill Development in Advanced C and Data structure** “ held on 15<sup>th</sup> to 17<sup>th</sup> October 2018 at **Sri Venkateshwara College of Engineering Bengaluru.**
- Attended one day workshop on “**New Model Curriculum for First Year BE/ B.Tech- CBCS Detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) Format including Course Outcomes (CO) and Bloom’s Taxonomy**” on 14/05/2018 at **M.S Ramaiah Institute of Technology Bengaluru.**
- Attended **Two Days Workshop** on “**Computer Networks Laboratory using NS-2**”, from 26/02/2018 to 27/02/2018 at **Bangalore Institute of Technology Bengaluru.**
- Co-ordinator for **One Day Workshop** on “**Recent Trends in Electronics and Communication Engineering**”, on 23/02/2018 at **Sri Revana Siddeshwara Institute of Technology Bengaluru.**
- Attended **Three Days workshop** on “**NS-2.35 Tool for Computer Networks**”, from 08/01/2018 to 10/01/2018 at **Don Bosco Institute of Technology Bengaluru.**
- Co-ordinator for “**One Day workshop** on “**Introduction to Internet of Things**”, on 02/05/2017 at **Sri Revana Siddeshwara Institute of Technology Bengaluru.**
- Attended Five days FDP on “**Internet of Things** ”, from 29/12/2016 to 02/01/2017 at **Sri Venkateshwara College of Engineering Bengaluru.**
- Participated in **Two Days workshop** on “ **Cisco Networking** ” from 22<sup>nd</sup> -23<sup>rd</sup> Feb 2016 Organized by TechKriti IIT Kanpur & Azure Skynet at **Sri Revana Siddeshwara Institute of Technology Bengaluru.**
- Participated in a “**Two day Training Programme for Programme Officers of Youth Red Cross Wing of the Colleges on 26<sup>th</sup> and 27<sup>th</sup> February 2015**” held at **Vijaya College , Basavanagudi , Bengaluru**
- Attended One day workshop on “**Road Map to BIG DATA ANALYTICS**” from 27<sup>th</sup> August ,2014 at **Sri Revana Siddeshwara Institute of Technology, Bengaluru.**

#### **References:**

1. **Dr. Keshav Murthy**, Professor Department of E&CE, Sri Venkateshwara College of Engineering, Bengaluru. Mobile No- 9844662014, email id- [keshavmurthy\\_s@yahoo.com](mailto:keshavmurthy_s@yahoo.com)
2. **Dr. Nagaraju C**, Professor Department of E&CE, National Institute of Engineering ,Mysuru. Mobile No- 9886239023, email id- [nagaraj@nie.ac.in](mailto:nagaraj@nie.ac.in)

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