CURRICULUM VITAE

Dr. Khaji Tanveer Alam
92/5-35-1-1, Upstair
Banjara Nagar Colony
Kurnool - 518004
Phone: 9866213771
Email: alam.embd@gmail.com

OBJECTIVE:

Self-motivated and highly energetic professional with 10 years of solid scientific research/teaching experience and strong record of success in many projects. Multicultural work experienced in many teams. Recognized for high teamwork skills and great leadership potential.

To work with a reputed institution as a Lecturer/Assistant professor, that will provide me a good platform to utilize my teaching & administration skills and will help me to grow my career.

TECHNICAL SYNOPSIS:

- Development of **Internet of Things Applications (IoT)** like Smart Agriculture (IoT)
- **Design and development of Android APPs for smart phone-based Instruments.**
- Strong Knowledge on **Analog**, **Digital** Circuit Designing.
- Working knowledge **in sensors** like **Soil Moisture, Temp, flow, humidity, Load, pH, Pressure, capacitance and strain gauges.**
- Very Strong Knowledge on **Microcontroller & Microprocessors** Based Circuits Design.
- Designed and developed **embedded** applications using **Python, Embedded C, C++, JAVA** and **Assembly.**
- Having strong Knowledge on **UNIX/LINUX, MATLAB, Qt4/5 & LabVIEW**

EDUCATION

03/2011-16	**Ph.D.,** in Electronics, Sri Krishnadevaraya University. Anantapuramu- A.P., India
10/2013	Qualified **UGC NET** in Electronics Science.
08/2004-06	**M.Sc.,** in Electronics, Sri Krishnadevaraya University. Anantapuramu- A.P., India
07/2001-04	**B.Sc**., in Mathematics, Physics, Electronics, Sri Krishnadevaraya University Anantapuramu- A.P., India

WORK EXPERIENCE

Assistant Professor (c) at Rayalaseema University. From 07/2016 to till to date

Teaching Assistant at Sri Krishnadevaraya University. From 06/2007 to 04/2015.

✓ Development of Real Time Soil Parameters testing system using Internet of Things

✓ Development of Secure Electronic Voting System with Touch Screen and Finger Print Authentication using LINUX APP.

✓ Design, development and Constructed an e-Smart Lamp using Android APP.

✓ Design, development and Constructed a Smart Home Automation using Android APP.

✓ Design, development and implemented a facial Recognition APP using Android APP.

✓ Designed, developed and constructed a Neonatal Monitoring System for new born infants.

✓ Design, development and Constructed pulse rate system to count the heart beats using 8051 Microcontroller.

✓ Developed and constructed a PC based data acquisition System in LINUX platform.

✓ Design, development and constructed a Low Cost Ethernet Based Data Acquisition System in Linux Platform

✓ Developed and constructed a RFID Based Library Management System Using MATLAB.

✓ Provided training for team members and conducted several workshops on various subjects related to Electronics.

✓ Supervised junior members

TEACHING ACTIVITIES

01/08/2016 – till to date **Post Graduate Assistant Professor**
        in Dept. of Electronics.

06/2007- 04/2015 **Post Graduate Teaching Assistant**
        in Dept. of Electronics.

• Gave lectures to postgraduate students and UG students.

• Tutored students individually or in small groups to help them master assignments and to strengthen learning concepts

• Instructed and monitored students in labs in order to learn them practical's in good manner.

• Evaluated student's performances

• **Guided for M.Sc., students Dissertations and mentor for**

Junior Ph.D., and M.Phil., scholars.

- Mentor for students in Science Competition

- Helped Students to develop curiosity and interest in science and Motivated them to learn

Areas of research interest: Embedded Systems, Networking Protocols, Image Processing and Artificial Intelligence.

Interdisciplinary area of Interest: Microcontrollers**, control systems, Electronics**, Networking and Image Processing.

EMPLOYMENT HISTORY:

Worked one year as an Assistant Professor (c) in Rayalaseema University and deals the following subjects
   i) Computer Organization ii) Data Communications and iii) C- Programming

Worked eight years as teaching assistant in Sri Krishnaderaya University. And following subject's deals.

Teaching:
 i) electronics, digital electronics, Microprocessors and Microcontrollers- 8086, 8051, PIC, ARM based processors,
        Advanced G-language like **LabVIEW, Android Apps based Instruments.**
        Advanced Communication Networks, Advanced Embedded Systems, Real Time Operating Systems, Advanced Linux Programming, C/C++ with Data Structures Control systems and MATLAB Programing with Hardware Interface.

RESEARCH PUBLICATIONS

        : *Papers:* (Intl. & National Journals)   - **20**
        Conferences: **(**Intl & National)   - **13**

CORE STRENGTH

Problem solving skills	Teamwork skills
Strategic and analytical	Manager skills
Reasoning, Creativity	Communication skills
Multitasking	

SCIENTIFIC COLLABORATIONS

A mutual collaboration is maintained from different university's Professors, scholars and students to promote research work.

CURRICULAR VITAE OF TANVEER ALAM . K

PERSONAL DETAILS:

    1. PRESENT POSITION   :   Assistant Professor (c)

		Rayalaseema University
2. DATE OF BIRTH	:	30-01-1983
3. NATIONALITY	:	Indian
4. Caste	:	Muslim (BC- E)
5. MARITAL STATUS	:	Single
6. LANGUAGES KNOWN	:	English, Telugu, and Hindi.

ADDRESS:

PRESENT	PERMANENT
Dr. Khaji Tanveer Alam 92/5-35-1-1, Up stair Banjara Nagar Colony Kurnool - 518004 Phone: 9866213771 Email: alam.embd@gmail.com	**Dr. K. Tanveer Alam S/o K. Abdul Hye** Door.No.12-1-216, Ist Cross, Ashok Nagar, Anantapuramu – 515 003 A.P., INDIA.

List of Publications (20):

1) A. Arshya Fathima, **Dr.K. Tanveer Alam**, Dr. T. Syeda Jeelani Basri, Syed Faiazuddin "**IoT based Smart Irrigation System using Soil Moisture Sensor and ESP8266 NodeMCU**" Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 7, 2020

2) K. Priyanka Gandhi, **K. Tanveer Alam**, K.V. Chamundeswaramma, B. Rama Murthy "**Android Based Smart Weather Monitoring System Using IoT**", Journal of Interdisciplinary Cycle Research | ISSN NO: 0022-1945| Volume XII, Issue VI, June/2020.

3) K. Priyanka Gandhi, B. Rama Murthy, **K. Tanveer Alam**, S. Sunita Ratnam "**Android Mobile based Spatial Evaluation of Physio Chemical Parameters of the System**" International Research Journal of Engineering and Technology (IRJET) | e-ISSN: 2395-0056 | Volume: 06 Issue: 05 | May 2019

4) K. Priyanka Gandhi, B. Rama Murthy, **K. Tanveer Alam**, N. Anju Latha "**A Real time Implementation of Android Mobile based Smart Water-Saving Irrigation System in Precision Agriculture**", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering. | ISSN (Print) : 2320 – 3765 |ISSN (Online): 2278 – 8875 | Vol. 8, Issue 4, April 2019

5) Dr.M.V.Lakshmaiah, Syed Faiazuddin, **Dr.K. Tanveer Alam**, "**Monitoring indoor air quality using raspberry pi processor**" Volume 10 ISSUE 1, http://dx.doi.org/10.21172/1.101.13 | e-ISSN:2278-621X

6) B. Rama Murthy, O.Jagadish, **K.Tanveer Alam** , V. Mahammad Dada , K. Priyanka Gandhi "**Development of GSM Based Advanced Alert Home Locker Safety Security System Using Arduino UNO**" 2018 IJSRST | Volume 4 | Issue 2 | Print ISSN: 2395-6011 | Online ISSN: 2395-602X

7) **K. Tanveer Alam**, V. Mahammad Dada "**Zigbee based Real Time weather monitoring system using MATLAB GU**I" International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X, Volume3, Issue3, 2017 June

8) R. Harini., B. Ramamurthy., **K. Tanveer Alam** "**Development of ECG Monitoring System using Android APP**" in International Journal of Electrical and Electronics Engineers ISSN (O) :2321 -2055, ISSN(P) :2321 -2045,Vol No. 9, Issue No.01, January –June 2017.

9) Dr.D.Sailaja., M.Vishnu Chittan., **K.Tanveer Alam**., Dr.C.Mani Kumar "**Embedded based Novel Measurement System for Dielectric Constant of solids**" in Lab Experiment

10) M. Hariprakash, Y. Narasimha Murthy, B. Rama Murhty, **K. Tanveer Alam**, P. Thimmaiah, V. Mahammad Dada "**Boundary Detection Algorithm for Tracking Coloured Objects using Opencv**" International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering | ISSN (Online) 2321 – 2004 | Vol. 4, Issue 10, October 2016

11) Ramamurthy.B., Rajaratnam.S., Nagamma.N.N., Thimmaiah.P., **Tanveer Alam. K**, "**Influence of Geomagnetic Storms On VHFIonospheric Scintillations At Near Equatorial Station Anantapur**" in IOSR Journal of Engineering (IOSRJEN) ISSN (e): 2250-3021, ISSN (p): 2278-8719 Vol. 06, Issue 07 (July. 2016), ||V1|| PP 07-14

12) Mahammad Dada Vempali, **K. Tanveer Alam**, D. Punyasheshudu, B. Ramamurthy "**Design and Development of Digital Proximity Type IR Thermometer Based on Arduino unoR3**" (IJIRSET) with ISSN (Online): 2319-8753, ISSN (Print): 2347-6710, Vol. 5, Issue 2, February 2016. (Impact factor: 5.442).

13) Uppala Sunitha, B Rama Murthy, P Thimmaiah, **K Tanveer Alam** "**Multi Frequency RFID Read Writer System**" in "International Journal of Innovative Research in Science, Engineering and Technology" (IJIRSET) with ISSN (Online): 2319-8753, ISSN (Print): 2347-6710, Vol. 4, Issue 10, October 2015. (Impact factor: 5.442).

14) **K. Tanveer Alam**, Mahammad D.V, B. Rama Murthy, Sujay Dinakar "**Design and Development of an embedded based Facial Recognition System using UDOO Android**" in "IOSR Journal of Electronics and Communication Engineering" (IOSR-JECE) with e-ISSN: 2278-2834,p- ISSN: 2278-8735.Volume 10, Issue 4, Ver. II (Jul - Aug .2015), PP 49-54. (Impact factor: 1.398).

15) Mahammad Dada.V and **K. Tanveer Alam**,"**Design of PC-based system for monitoring and control of a thermal process using LabVIEW**" in |International Journal of Innovative Science, Engineering & Technology" (IJISET), ISSN 2348 – 7968, Vol. 2 Issue 6, June 2015. (Impact factor: 1.50).

16) L. Suresh, N. Anju Latha, B. Rama Murthy, **K. Tanveer Alam, K.** Jyothi Babu "**Neonatal Monitoring System**" in "International Journal of Engineering Research and Applications" (IJERA) with ISSN: 2248-9622, Vol. 4, Issue 7(Version 3), July 2014, pp.12-15.

17) K. Jothi Babu, B. Rama Murthy, P. Thimmaiah, **K. Tanveer Alam**, L. Suresh1 and Mahammad D.V. "**LabVIEW based Real Time GUI System development for the studies of the Ionospheric irregularities over near Equatorial region at Anantapur using Satellite Radio Beacon signals**" IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) e-ISSN: 2278-2834,p- ISSN: 2278-8735.Volume 9, Issue 4, Ver. III, PP 24-29, Jul - Aug. 2014.

18) C. Srujana, B. Rama Murthy, **K. Tanveer Alam**, U. Sunitha, Mahammad D. V, P. Thimmaiah "**Development of RFID Based Library Management System Using MATLAB**" International Journal of Engineering and Advanced Technology (IJEAT), Volume-2, Issue-5, ISSN: 2249 – 8958, June 2013

19) **K. Tanveer Alam**, B. Rama Murthy, Mahammad D. V, U. Sunitha, P. Thimmaiah "**Low Cost Ethernet Based Data Acquisition System in Linux Platform**" International Journal of Engineering and Advanced Technology (IJEAT),Volume-2, Issue-4,.ISSN: 2249 – 8958, April 2013.

20) U Suneetha, **K. Tanveer Alam**, N. Anjulatha, B.V.S. Goud, B. Rama Murthy. "**Ethernet Based Remote Monitoring and Control of Temperature by Using Rabbit Processor**" in "International Journal of Advanced Computer Science and Applications" (IJACSA) Vol. 3, No. 9, 2012.

List of presentations in conferences & Seminars (13):

1) **Dr. K. Tanveer Alam** "**COVID-19 Impact on the Indian Economy - IDEA**" International conference on Indian Economic crisis during COVID – 19: Issues and changes, Silver jubilee degree college, Kurnool, A.P., India Date: 06-07-2020

2) Harini, **K. Tanveer Alam** and B. Rama Murhty "**Development of ECG Monitoring System using Android APP**" International conference on Emerging Trends in Engineering, science and Management Spoorthy Engineering college, Nadrgul (V), R.R. Dist , Hyderabad 17-18 March 2017.

3) **Khaji Tanveer Alam "Smart Agriculture: Monitoring of Crop field automation using IoT"** National Seminar on Recent Trends in Physics & Electronics 30 & 31st August 2017, Department of Physics and Electronics, Kurnool, A.P., India

4) **K. Tanveer Alam**, Ashraf Ahmed, A. Raju, B. Sivasankar Reddy, S. Madhu, B. Rama Muthy, "Wi-Fi based SMART E-LAMP using Android APP" in National Seminar on Recent Trends and Developments in Communication Technology (RTDCT-15) 27-28th November 2015.

5) Mahammad D.V**.** and **Tanveer Alam. K, "**Design and development of digital proximity type IR Thermometer based on Arduino unoR3"in 6th Indian Youth Science Congress, January, 2015.

6) **Tanveer Alam. K** and Mahammad D.V**. "**ZigBee Based Real Time Weather Monitoring System Using MATLAB GUI**."** 6th Indian Youth Science Congress
 January, 2015.

7) **K. Tanveer Alam** "**Micro controller based Dielectric constant**" amp 2014, Department of Electrical and Electronics Engineering, S. K. University college of Engineering & Technology , Ananthapuramu 1st Nov, 2014.

8) **K. Tanveer Alam** "**A Low-cost Micro controller-based Automobile status monitoring system**" in National Symposium on Challenges of Instrumentation, USIC & Department of Instrumentation, S. K. University, Ananthapuramu 29-30th March 2012.

9) **K. Tanveer Alam** "**Smart Home Automation**" in National Seminar on Recent trends in Embedded and Communication Network systems, Department of Electronics, S. K. University, Ananthapuramu 28-29th March 2012.

10) Mahammad D.V., Venkatesh K., K. Tanveer Alam, B. Rama Murthy and B.V.S. Goud "**Development of embedded system-based colorimeter**", AP science congress-2012, Guntur (A.P.), India, 14th-16thNovember, 2012.

11) Mahammad D.V., Veronika, **K. Tanveer Alam**, B. Rama Murthy and B.V.S. Goud "**Design and development of long-range non-proximity type tachometer using stroboscopic effect**", AP science congress-2012, Guntur (A.P.), India, 14th-16thNovember,2012.

12) Mahammad D.V., Sk. Subhani, **K. Tanveer Alam**, B. Rama Murthy and B.V.S. Goud "**Computer based low cost wave form monitoring system using LabVIEW**", AP science congress-2012, Guntur (A.P.), India, 14th-16thNovember,2012.

13) Mahammad D.V., I. Parveen, **K. Tanveer Alam**, B. Rama Murthy and B.V.S. Goud "**A simple laboratory demonstrate pacemaker**", AP science congress-2012, Guntur (A.P.), India, 14th-16thNovember,2012.

List of presentations As a Resource Person in Workshops (2):

1) One Day Workshop for science students On **Internet of Things** by Departments of Computer Science and Physics, Silver Jubilee College (A), Kurnool, A.P., India 30th Nov, 2017

2) One Day Workshop for science students On **Internet of Things** by Departments of Computer Science and Physics, Silver Jubilee College (A), Kurnool, A.P., India 9th Feb, 2018

List of Faculty Development Programs (FDP) Participated (5):

1) One week Faculty Development Programme on "**Recent Advances in Biomedical Applications and Communication Networks**" organized by the Department of Electronics & Communication Engineering GMR Institute of Technology, Rajam, AP, India during 13th – 18th July, 2020.

2) One week online International Webinar on "**EMERGING TRENDS IN ELECTRONICS, COMMUNICATION AND INFORMATION TECHNOLOGY**" from 2nd July - 7th July, 2020, organized by Department of Electronics & Communication Engineering, JSS Academy of Technical Education, Noida.

3) Five Days National Level Faculty Development Programme on "**Artificial Intelligence and Internet of Things**" from 23rd to 26th June 2020, by College of Bachelor of Computer Applications K.L.E Society's, RLSI Belagavi

4) One Week Faculty Development Programme on "**Advancements in Science and it's Applications in Engineering**" from 22nd to 26th June 2020, Organized by Department of Science & Humanities.

5) Two Days Faculty Development Programme on "**Embedded IoT Technology**" conducted by the Department of Electronics, St. Joseph's Degree college, Kurnool, Andhra Pradesh on 12 and 13th June, 2020.