

Ashok Kumar Balijepalli

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Professional Experience

- Worked as an Assistant Professor in Nalanda Institute of Engineering and Technology (From July 2nd 2010 to June 13th 2012).
- Worked as Assistant Professor in Guntur Engineering College from Sep 19th 2012 to 5th June 2016.
- Working Assistant Professor in Universal College of Engineering & Technology 6th June 2016 to Till the Date.
- **Ratified By JNTU KAKINADA as an Assistant Professor.**

Computer Skills

- Simulation & Programming Code: Mat Lab, Tasm, Xlinx & Multisim.
- Programming Languages: C

Academic Profile

YEAR	DEGREE/CERTIFICATE	NAME OF THE BOARD	NAME OF THE SCHOOL/INSTITUTE	%
2010-'12	M.Tech in Digital Image Processing	JNTUK	Nalanda Institute of Engineering and Technology, Guntur.	77.67%
2007-'10	B.Tech in Electronics and Communications Engineering	JNTUK	Nalanda Institute of Engineering and Technology, Guntur.	67.82%

2002-'05	Diploma in Electronics and Communication Engineering	SBTET	Government Polytechnic College, Narsipatnam, Vizag.	65.04%
2001-'02	SSC/Class X	Board of secondary school education	ZPHS, Piduguralla.Guntur.	75.5%

Achievements

- Won **Best Design Thinker Award** in Two days workshop on “Engineering Exploration Project” held at JNTUK, Kakindada.
- Won 3rd **prize** for presenting a technical paper **Embedded systems (Automation of cars)** in **National Level Technical Symposium** held at
- Designed and Implemented No. of Engineering Projects using the basic components like resistors, transistors, IC 741, sensors and 8051,Arduino,ARM and Raspberry-Pi microcontrollers.
- Presented technical paper’ in **GITAM University, CBIT, Chirala Engg College, Mallareddy Group of Institutions, AMREC & etc.**
- Won Consultation Prize in **ROBOTHOLON-2K15** which is held in Guntur Engineering College.

Academic Project works

- A project work on “Railway signalling systems” in the Diploma Final year.
- Done project work on “Adaptive data encryption and decryption “during the B.Tech 3rd year.
- Done project work on “Credit card security system with SMS Confirmation using GSM Technology” in the B.Tech 4th year.
- A project on “Skin Tone Based secret communication by using DWT”, during the M.Tech 2nd year.

International Journals

- A Journal on “Skin tone Based secret communication using DWT” in IJSAIT Vol 1, Issue 3, July-August 2012.
- A Journal on “Steganography based secret communication using DWT” in IJERT,

Vol 1, Issue 5, July 2012.

- A Journal on “A Novel key for Wireless sensor networks” IJAIR, Vol 2, Issue 9, Sept 2013.
- A journal on “Reversible Data Hiding with optimal value transfer” in IJSRCSAMS in Vol 3, Issue 3, May 2014.
- A Journal on “Android-Based Universal Vehicle Diagnostic and Tracking System” in IJSRCSAMS in Vol 3, Issue 4, July-2014.
- A Research Journal published on “An Efficient and Optimal Systems for Medical & Industries with Concept of IOT” in IJERA in Volume 5, Issue 12, Dec-2015.
- A Journal on “An Efficient and Optimal Cost Monitoring Systems for Medical & SM Enterprises with Concepts of Internet of Things (IOT)” in IJSAT in Vol 5, Issue 11, Nov- 2015.
- A Research Journal on “Logo Matching for Document Image Retrieval Using SIFT Descriptors” in IJERA, Vol. 7, Issue 2, February 2017.
- A Scopus Indexed Journal on “An Implementation of Effective Logo Matching and Detection using Multiple Descriptors to Enhance the Resolution” IJCA in Volume 161 – No 5, March 2017.
- A Journal on “Health care monitoring System based on Simple Microcontroller & Internet of Things” IJRTE, Vol 2 Issue III, Mar 2017.
- A Scopus Indexed Journal on “Concentric Circular Ring Arc Antenna at Dual Band for Ku Band Applications” in Springer Nature Singapore, CNC 2018, CCIS 839, pp. 518–527, 2019.
- A Scopus Indexed Journal on “Analysis of Circular Ring Patch Antenna for Enhancement of Wide Bandwidth with Defected Ground Structure” in Springer Nature Singapore, CNC 2018, CCIS 839, pp. 557–567, 2019.
- A Scopus Indexed Journal on “A Dual Band Coplanar Concentric Ring Patch Antenna for Ku Band Applications” in Springer Nature Singapore, CNC 2018, CCIS 839, pp. 579–589, 2019.
- A Scopus Indexed Journal on “The Analysis of U Slotted Rectangular Patch with Geometric Series DGS for Triple Band Applications” in Springer Nature Singapore, : CNC 2018, CCIS 839, pp. 568–578, 2019.

- A UGC Approved Journal on “A review and Comparison on Different Video Deinterlacing Methodologies” in International Journal of Research, Vol III, Issue V, May 2019, Page 2506-2510.
- A UGC Approved Journal on “Design of Remote Health Monitoring with Home Automation and Alarm System” in International Journal of Management, Technology And Engineering, Volume IX, Issue VI, JUNE/2019.
- A UGC Approved Journal on “An RTOS & ARM Cortex Controller Based Health Care Monitoring System(HCM) using Internet of Things” in A Journal of Composition Theory, Volume XII, Issue X, October 2019.

Subjects Taught

- Microprocessors & Microcontrollers (MP&MC).
- Electronic Devices & Circuits (EDC).
- Electronic Circuit Analysis (ECA).
- RADAR Systems.
- Computer Architecture & Organization (CAO).
- Digital Communication Systems(DCS),
- Digital Communications (DC).
- Bio Medical Engineering
- Microprocessors & Multicore Systems
- Linear Integrated Circuits & Applications.
- Mechatronics

Positions of Responsibility

- Member as **Innovation Activity Co-ordinator** in MHRD’s Innovation Cell-Institute Innovation Council (**MIC-IIC**).
- Faculty Member in **University Innovation Fellows (UIF)**.
- As World Space week -2019 Co-ordinator.
- As Project Expo-2019 Co-ordinator.
- As a R & D Cell In charge Co-ordinator.
- As Electronics Hobby Club Co-ordinator and conducted a Project Expo-2015.

- As a Department Exam cell In charge.
- Student Coordinator – MEGA JOB FAIR '08 a job fair organized by management of NIET and gained a practical exposure to the interview process and task handling.
- Student coordinator head– student association activity in the department.
- Faculty co coordinator –Guinness Book record for Highest Number of Post cards sending from a single place.
- Student co ordinator-Cultural activities in the department.
- Committee member-Sports Competitions in the college.
- Industrial Tour Co coordinator-For 3rd year student's Industrial tour to Bangalore.
- As a Class In charge.
- As a M.Tech Co-ordinator.
- As a Project Work Co-ordinator.