



Prof.M.Ravi Kumar
Professor of ECE

DETAILS OF EXPERIENCE

Designation	Organization	Period	Duration
Professor	ACE Engineering College, Ghatkesar(M), R.R.Dist.	June' 2011 to Till date	10 Years
Professor & HEAD	Vardhaman College of Engineering, Shamshabad, R.R.Dist.	July' 2010 to June' 2011	1 Year
Professor	Vardhaman College of Engineering, Shamshabad, R.R.Dist.	July' 2008 to June' 2010	2 Years
Associate Professor (Ratified by JNTU, Hyderabad)	Vardhaman College of Engineering, Shamshabad, R.R.Dist.	Mar' 2001 to June' 2008	7 Years & 4 months
Assistant Professor	G. Pulla Reddy Engineering College, Kurnool.	July' 1996 to Feb' 2001	4 Years & 7 months
Product Development Engineer	Protek Electronics, Baroda.	Nov' 1995 to April' 1996	6 months

ADMINISTRATIVE EXPERIENCE :

- ◆ Member of Mock Inspection Team for JNTUH affiliation
- ◆ Head of the Department of ECE
- ◆ Departmental and Institutional NBA coordinator
- ◆ Committee Member, NAAC & Autonomous
- ◆ Officer-in-charge, Examinations
- ◆ Institutional Coordinator, AICTE for Document preparation and online uploading of

data for Extension of Approval, increase/reduction of intake and additional courses.

- ◆ AFRC online documentation preparation and submission
- ◆ Institutional Coordinator, AQIS Schemes for online uploading of data
- ◆ JNTUH Affiliation application preparation
- ◆ Administrative works like Salaries, Income Tax, EPF, ESI & PT
- ◆ Incharge, Group Insurance of Employees
- ◆ Officer on Special Duty for Mechanical Engineering Department
- ◆ Incharge, Time Table committee of ECE Dept.
- ◆ Central Coordinator, Time Table Committee
- ◆ Professor incharge, Library
- ◆ Convener, Library Committee
- ◆ Actively involved in the Development of various laboratories of ECE
- ◆ Incharge for Technical Seminars, Mini Projects and Final year Projects
- ◆ Faculty Recruitment Panel member
- ◆ Member, Disciplinary Committee
- ◆ Convener, Disciplinary Committee
- ◆ Member, Stock Verification Committee
- ◆ Member, Anti ragging Committee
- ◆ Member, Republic day organizing committee
- ◆ Class Faculty incharge
- ◆ Salary structure framing for teaching (V & VI PRC) and non-teaching staff (VIII PRC)
- ◆ Task Force online documentation preparation and submission

PAPERS PRESENTED / PUBLISHED

- ◆ Published a paper entitled “Internet of Vehicles (IOV) Based on Dragon flying Optimizer Clustering Algorithm (CAVDO)” in Journal of Wireless Communication, Network and Mobile Engineering Technology, Volume 5, Issue 1, Mantech Publications, 2020.
- ◆ Published a paper entitled “Performance Approach of AODV, DSR and DSDV Protocols IEEE 802.15.4 for vehicular networks Using NS2” in International Journal of Research in Advent Technology (IJRAT), ISSN No. 2321-9637, Volume 6, Issue 1, January 2018.
- ◆ Published a paper entitled “Reducing energy consumption in network on-chip using Data encoding techniques” in International Journal of Research in Advanced Encoding Techniques, , Volume 4, Issue 2, July 2015
- ◆ Published a paper entitled “High Performance Hardware implementation of AES” in

- ◆ Published a paper entitled “Effect of Sub-Classes on the Accuracy of the Classified Image” IJECET, ISSN 0976 – 6464(Print), ISSN 0976 – 6472(Online) Volume 3, Issue 3, October- December 2012.
- ◆ Published a paper entitled “A Novel Technique to Secure Communication Using Chaos Generated by Non-Linear Circuits” in IJMAN, Volume 2, Issue 4, November 2012
- ◆ Published a paper entitled “Effect of Sub-Classes on the Accuracy of the Classified Image” IJECET, ISSN 0976 – 6464(Print), ISSN 0976 – 6472(Online) Volume 3, Issue 3, October- December 2012.
- ◆ Published a paper entitled “Correlation and Relative Intensity Noise Analysis of the Chaos and the Message Masked by the Chaos” in IJECCE Journal, Volume 3, Issue 5, Sep 2012
- ◆ Presented a paper titled “Information extraction through Multispectral Data Processing in Remote Sensing Image Evaluation” at National Conference on VLSI, Signal Processing and Embedded Systems on 29th & 30th August 2012 at VNR Vignana Jyothi Institute of Engineering and Technology, Bachupally, Hyderabad.
- ◆ Published a paper entitled “Information Extraction through Multispectral Data processing in Remote Sensing Image Evaluation” in IJGIP, Volume 2, Issue 3, August 2012
- ◆ Published a paper entitled “Utility of ISL for Cellular and Mobile Communications” in proceedings of National Conference on “Wireless and Mobile Communication”, Vardhaman College of Engineering, Hyderabad, 10th & 11th March 2006.
- ◆ Published a paper entitled ” Optimization of Route Discovery for Reacting Routing in Wireless Adhoc Networks” in proceedings of National Conference on “Wireless and Mobile Communication”, Vardhaman College of Engineering, Hyderabad, 10th & 11th March 2006.

FACULTY DEVELOPMENT PROGRAMMES ATTENDED :

- ◆ Participated in AICTE ATAL Academy One Week Online FDP on “Wearable Devices” organized by G.Narayanamma Institute of Science and Technology, Hyderabad during 1st – 5th Feb 2021.
- ◆ Participated in a One Week Online FDP on “Digital Mind Mapping for Online Teaching & Learning & G-Tools” organized by Vignan’s Institute of Management and Technology for Women, Hyderabad during 2nd – 6th Sep 2020.

- ◆ Participated in a One Week STTP-II (AICTE sponsored) on “Advances in Wireless Technologies and Telecommunication” organized by Geethanjali College of Engineering & Technology, Hyderabad during 17th – 22nd August 2020
- ◆ Participated in a One Week STTP-I (AICTE sponsored) on “Advances in Wireless Technologies and Telecommunication” organized by Geethanjali College of Engineering & Technology, Hyderabad during 03rd – 08th August 2020
- ◆ Participated in a One Week Online FDP on “Simulation and Modeling of Data Communications & Networks”, organized by Mahatma Gandhi Institute of Technology, Hyderabad during 27th – 31st July 2020
- ◆ Participated in a One Week Online FDP on “Future Nano Electronics Devices & Circuits”, organized by Mahatma Gandhi Institute of Technology, Hyderabad during 06th – 10th July 2020
- ◆ Participated in a Five Day Online FDP on “Advances in Signal Processing and Artificial Intelligence Technologies”, organized by G. Pulla Reddy Engineering College, Kurnool from 6th to 10th July 2020.
- ◆ Participated in a One Week Online FDP on “IOT & Machine Learning”, organized by G.Pulla Reddy Engineering College, Kurnool from 26th to 30th June 2020.
- ◆ Participated in a Three Day Online FDP on “Industrial IOT & Intelligent Connectivity using RASBERRY PI”, organized by Malla Reddy Engineering College for Women, Hyderabad from 25th to 27th June 2020.
- ◆ Participated in International Level One Week Online FDP on “Advanced Data Science and its Applications” organized by BVRIT Hyderabad College of Engineering for Women from 22nd to 26th June 2020
- ◆ Participated in Five day Online FDP on “Opportunities and Challenges in Next Generation Semiconductor Devices” organized by Anil Neerukonda Institute of Technology and Sciences, Visakapatnam from 16th to 20th June 2020
- ◆ Participated in Five Day Online STTP on “An Emerging Paradigm of Low Power Computational VLSI Design” organized by B V Raju Institute of Technology, Narsapur during 16th – 20th June 2020
- ◆ Participated in Five Day Online FDP on “Recent Trends in Communication Technology” organized by Kommuri Pratap Reddy Institute of Technology, Hyderabad during 15th – 19th June 2020
- ◆ Participated in Five Day Online FDP on “Research Trends in Image Processing” GATES Institute of Technology, Anantapur during 15th – 19th June 2020

- ◆ Participated in Two Day International Virtual FDP on “Innovative Techniques for Effective Teaching Online and Offline” organized by Mahatma Gandhi Institute of Technology, Hyderabad during 12th – 13th June 2020
- ◆ Participated in a National level one week Online FDP on “Moodle Learning Management System” organized by JNTUH college of Engineering, Sultanpur in association with Spoken Tutorial IIT Bombay during 10th – 15th June 2020
- ◆ Participated in Six Day Online FDP on “Recent Trends in Computer Architecture, VLSI & Embedded Systems” organized by Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad during 8th – 13th June 2020
- ◆ Participated in a National Level Three Day Online FDP on “Recent Advancements in Image Processing & IOT” organized by Lingayas Institute of Management and Technology, Vijayawada during 3rd – 5th June 2020
- ◆ Participated in One Week National Level Online FDP on “Internet of Things and Artificial Intelligence Applications” organized by K L University, Guntur during 1st – 6th June 2020
- ◆ Participated in Five Day Online FDP on “Evolution from offline to online teaching” organized by Satish Pradhan Dnyanasadhana College, Thane during 30th May – 3rd June 2020
- ◆ Participated in Three Day Online FDP on “Internet of Things (IOT)” organized by Lendi Institute of Engineering & Technology, Vizianagarm during 27th – 29th May 2020
- ◆ Participated in National level one week Online FDP on “SCILAB – An open source substitute for Matlab” organized by JNTUH college of Engineering, Sultanpur in association with Spoken Tutorial IIT Bombay during 25th – 30th May 2020
- ◆ Participated in National Level Five Day Online Faculty Training Program on “Cyber Security” organized by Srinivasa Ramanujan Institute of Technology, Ananapuramu during 23rd – 27th May 2020
- ◆ Participated in Five Day National level Online FDP on “Artificial Intelligence” organized by Chaithanya Bharathi Institute of Technology, Hyderabad in association with Brain – o – Vision India Pvt. Ltd. during 22nd – 26th May 2020
- ◆ Participated in Five Day Online FDP on “Recent Communication Tools and its Application” organized by St. Martin’s Engineering College, Hyderabad during 19th – 23rd May 2020
- ◆ Participated in a Five Day National Level Online FDP on “Modern Research Trends in Communication, Signal Processing and VLSI/MEMS”, organized by the Andhra

Loyola Institute Of Engineering And Technology, Vijayawada from 19th - 23rd May 2020.

- ◆ Attended a One week FDP on “Routing and Switching concepts in Data Communication and Networking” from 11 – 15 June 2018 at SNIST, Hyderabad.
- ◆ Participated in a 5 day Faculty Development Programme on “Instructional Design and Delivery” organized at ACE Engineering College from 3/12/2013 to 7/12/2013 conducted by Dr.B.G.Barki, Former Director, National Institute of Technical Teacher Training and Research, Chennai
- ◆ Attended Two Week FDP in “Entrepreneurship” from 20th June to 3rd July 2012 at ACE Engineering College, Hyderabad organized by Centre for Entrepreneurship Development (CED), Hyderabad sponsored by DST, Govt. of India.
- ◆ Two week STTP on “VLSI Design Methodologies and Testing Principles” organized from 24th August to 4th September 2009 by Vardhaman College of Engineering, Hyderabad .
- ◆ Refresher Course on “VLSI Technology” for one week from 8th to 15th July 2001, conducted by Sreenidhi Institute of Science and Technology, Ghatkesar, Hyderabad.
- ◆ Refresher Course in “VLSI Technology” for one month from 1st to 25th May 2001, conducted by The Engineering Academy, Ameerpet, Hyderabad.
- ◆ Training in the design of “Processor Card using 8751 Micro Controller and associated Integrated Circuits” for one month from 3rd May 1991 to 3rd June 1991 at DLRL, Hyderabad.

WORKSHOPS ATTENDED :

- ◆ Participated in 3-day “Hands on Experience with Arduino using Virtual Tool” organized by Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering & Technology, Vijayawada during 25th – 27th June 2020
- ◆ Participated in Three day National Level Webinar Series on “VLSI” organized by Andhra Loyola Institute of Engineering and Technology, Vijayawada during 10th – 12th June 2020
- ◆ Participated in Three day workshop on “NAAC Assessment and Accreditation: A step by Step Process” organized by Gates institute of Technology, Ananthapuramu during 28th – 30th May 2020
- ◆ Participated in Three day Technical Webinar on “Arduino Programming and Internet of Things” organized by DKTE’s Textile and Engineering Institute, Rajwada, Ichalkaranji during 25th – 27th May 2020

- ◆ Participated in One Week online workshop for Academicians and Researchers on “Unfolding Bharateeya Vichar” organized by Shrutham in association with Bharatiya Shikshan Mandal, Hyderabad during 20th – 25th May 2020
- ◆ Participated in Online training on “Payroll & Taxation In Tally ERP.9” organized by MSME-Technology Development Centre (PPDC) on 16th May 2020
- ◆ One week Workshop on “Cloud Infrastructure and Services” organized by Dept. of CSE at ACE Engineering College, Hyderabad from 12th May to 17th May 2014
- ◆ Attended Three Day Workshop on “Outcome based Education and Accreditation” on 13th to 15th May 2013 at JNTUH, Hyderabad conducted under TEQIP Phase II.
- ◆ One day Workshop on “PSOC” conducted by Cypress Semiconductors at CVR College of Engineering, Hyderabad on 22-03-2010.
- ◆ One day Workshop on “Real Time Implementation of DSP Algorithms using Code Composer Studio” jointly organized by the Department of ECE and Cranes Software International Limited at Vardhaman College of Engineering, Hyderabad on 11-03-2010.
- ◆ Workshop on “Cellular and Mobile Communication” for three days from 15th to 17th Feb 2006, conducted by Bhoj Reddy College of Engineering for women, Hyderabad.

CONFERENCES / SEMINARS ATTENDED:

- ◆ Attended MATLAB EXPO 2019 as a Delegate on 30/04/2019 at Hyderabad conducted by MathWorks.
- ◆ Participated in Fourth International Conference on Transformations in Engineering Education held during Jan 6-8, 2017 at Vardhaman College of Engineering, Hyderabad
- ◆ Attended MATLAB EXPO 2016 as a Delegate on 28-04-2016 at Hyderabad conducted by MathWorks.
- ◆ Attended a seminar on “MATLAB & Simulink for Engineering Education” on 26/07/2013 at Hyderabad, organized by Math works India Pvt. Ltd.
- ◆ National Seminar on “Real Time Embedded Systems” for two days from 7th to 8th Dec 2007, organized by Dept. of ECE, Vardhaman College of Engineering, Hyderabad.
- ◆ National Seminar on “Semi-Custom VLSI Design - An FPGA based approach” for two days from 5th to 6th Nov 2007, organized by Dept. of ECE, Vardhaman College

of Engineering, Hyderabad.

- ◆ Education Symposium on “Agilent Instruments and Softwares” on 7th Sep 2007, organized by Agilent Technologies Pvt. Ltd.
- ◆ National Conference on “Wireless and Mobile Communication” for two days from 10th to 11th March 2006, organized by Dept. of ECE, Vardhaman College of Engineering, Hyderabad.

EXTRA CURRICULAR ACTIVITIES :

- ◆ External Examination Paper setting for University College of Engineering, Osmania University, Hyderabad
- ◆ External Examination Paper setting for SNIST, Hyderabad
- ◆ Treasurer for National Level Student Technical Symposium “FACEIT2K19” at ACE Engineering College
- ◆ Co-coordinator for UDAAN – Inter college cultural literary and sports fest
- ◆ Advisory committee member for Two Day National level workshop on “IOT using Arduino”
- ◆ Organized a National Level Student Technical Symposium “FACEIT2K15” at ACE Engineering College
- ◆ Coordinator for Sardar Vallabhai Patel birthday celebrations at Dept. of ECE, ACE Engineering College
- ◆ Observer for GET-2014 (GENCO) at S.V.Arts College, Tirupati
- ◆ External Examiner for Group Projects at SNIST, Hyderabad
- ◆ Convener, Disciplinary Committee, Annual Day Celebrations (ANUSTHANA - 2K14)
- ◆ Observer for GREET – 2012 Examination (GENCO)
- ◆ External Examination Paper setting for G.V.P. College of Engineering (Autonomous), Visakhapatnam
- ◆ Coordinator for “Two Day National level students Technical Symposium” organized at ACE Engineering College, Ghatkesar(M), R.R.Dist.

- ◆ Coordinator for a Two week STTP on “VLSI Design Methodologies and Testing Principles” organized at Vardhaman College of Engineering, Hyderabad .
- ◆ Organized a Two-Day National seminar on “Real-Time Embedded Systems”, at Vardhaman College of Engineering, Hyderabad.
- ◆ Organized a Two-Day National seminar on “Semi custom VLSI Design-an FPGA based Approach”, at Vardhaman College of Engineering, Hyderabad.
- ◆ Organized a National level student paper presentation contest, TECNOFEST-2007, held at Vardhaman College of Engineering.
- ◆ Organized a Two-Day National conference on “Wireless and Mobile Communication, NCWMC-2006”, at Vardhaman College of Engineering, Hyderabad.

SCHOLARSHIPS / ACHIVEMENTS :

- ◆ Winner of state merit scholarship instituted by the Govt. of A.P. at Intermediate Level.
- ◆ Recipient of Fellowship from U.G.C (GATE) during the study of M.E.
- ◆ Adjudged as second best participant in the refresher course on VLSI Technology organized by ECE Dept. of Sreenidhi Institute of Science & Technology, Hyderabad.

PROFESSIONAL BODIES MEMBERSHIPS :

- ◆ Fellow of ‘*The Institution of Electronics and Telecommunication Engineers(IETE)*’, Member Ship No: F-189083
- ◆ Life Member of ‘*The Indian Society for Technical Education (ISTE)*’ Member Ship No: LM 51834