Name   :   Jyothirmai Joshi
Designation: Assistant professor

Department: EIE

Mail.I.D: jjyothi.vnr@gmail.com

Experience (in years):   16+

Teaching: 12+

Research: 1+

Others (If any, Specify): Industrial :   3

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.Tech	2003	EIE
2	M.Tech	2012	Embedded Systems
3	phD(registered)	2018	Biomedical Image and signal processing

2. Teaching and Learning:

a. Teaching Interests: Internet Of Things, Embedded systems, Electronic Devices and circuits, Microprocessors and Microcontrollers, Electronic circuits-II, Electronic circuit Analysis, Computer Organization, Linear and digital IC Applications, Pulse and digital circuits, Pharmaceutical Instrumentation, Sensors and Signal conditioning, Elements of Electrical and Electronics Engineering, Embedded and real time systems, VLSI Design

b. Novel Teaching & Learning Techniques adopted: Teaching and Learning through POGIL, PPTs, MOOCS , youtube videos and implementing WIT-WIL for the content of Syllabus

c. Involvement in curriculum updating / Design: Involvement in curriculum updating of UG during autonomous curriculum design and updation.

3. Co-curricular and Extra-Curricular Activities

   3.1. Professional Society memberships: life member ISOI, BMESI

   3.2 Interests and Hobbies:

   - Promoting discipline among students
   - Reading Books/Novels, Listening to Music, Browsing Internet

   3.3. CCA/ECA Organized: NIL

   3.4. CCA/ECA participated:

   - World yoga day celebrations at VNRVJIET

3.5. Counseling and Mentoring Activity:

- Involved in mentoring activity with 20 students of B.Tech I, II,III & IV year every semester since 7 years

3.6. Committees involved in:

Department level:

- Time table committee
- Cams related issues
- CDC

Institute Level:

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted: NIL

4.2 Attended:

- Attended 5 day ATAL FDP on Online Elementary FDP on "Design Thinking: From Insights to Viability for Engineers" from 06/12/2021 to 10/12/2021 at Lakireddy Bali Reddy College of Engineering.
- Attended 5 day ATAL FDP on 3D printing and Design organized by University Osmania University
- Participated in International AI Congress organized by CVR college of Engineering
- Attended Two Weeks Online Faculty Development Programme on Machine Learning for Computer Vision, organized by Electronics & ICT
- Attended IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs
- Attended AI for Medical Diagnosis course in Coursera
- Attended online course Introduction to Neural Networks and Deep learning in Great learning Academy
- Attended one week national online workshop on Artificial Intelligence and Applications, CIET, Guntur
- Attended 4-day fdp On effective utilization of digital platforms for content Development and delivery, VNRVJIET
- Attended 5-day national level FDP on Artificial Intelligence, CBIT
- Attended 5-day FDP on Cyber security, Mallareddy Engineering college for Women
- Attended course on Python Basics for Data Science, edX
- Attended Project based online Course on Machine using Python, Skyfi labs
- Attended AICTE sponsored 1 week STTP on Deep learning Techniques for Ambient Intelligence and Smart Environment, VNRVJIET
- AICTE Sponsored One Week Online Short Term Training Program On ICT Tools for Engineering College Teaching and Outcome Based Learning, Raghu Institute of Technology, Vishakapatnam
- Attended complete python Bootcamp, Udemy
- Attended Webinar on Recent trends in Signal Processing, VNRVJIET
- Attended Webinar on Teaching with Teams, VNRVJIET
- Attended Webinar on Bridging Physiology and Biomedical Instrumentation
- Attended Introduction to Architecting Smart IoT Devices in Coursera
- Attended Webinar on "role of telemetry technology for emerging applications in Aircraft research & development"
- Attended Analyzing Data with Python course in edX, 2020

- Attended 5-day FDP on Applied iot with node mcu, raspberry pi & cloud configuration, HITAM, 2020
- Attended Cybersecurity and the Internet of Things course in Coursera, 2020
- Attended Architecting Smart IoT devices in Coursera, 2020
- Attended one day workshop on fundamentals of Deeplearning for computer Vision, NVIDIA
- Attended one day workshop on fundamentals of Deeplearning for Multiple data types, NVIDIA
- Attended National level FDP on Recent trends in Mechaical and Indusrial Engineering, 2020
- Attended Webinar on Data to Discovery in Information Security, SRM university, 2020
- Attended Webinar on Introduction to graphical programming –Labview , VNRVJIET, 2020
- Attended Webinar on Robotics and automation in industrialized building system, VNRVJIET, 2020
- Attended International technical Webinar on "Simulation and Design of PCB in Proteus Simulator, SNS College of Technology, Coimbatore, 2020.
- Attended webinar on Teaching and understanding of control systems, VNRVJIET, 2020
- Attended a webinar on Factory Automation using Siemens TIA portal,VNRVJIET, 2020
- Attended webinar on introduction to patent writing and Assosciated protocol, VNRVJIET,2020
- NPTEL certification course during July-Oct 2018, on Biomedical nano technology.
- Attended ISOI gold medal award function at OU, Hyderabad.

- Attended 3-day FDP on" Recent advances in Biomedical Instrumentation and its impact on Mankind" during 2018
- Attended 5-day Short term course on "Engineering Research Methodologies(ERM-2019)" during 15th -20th April 2019
- Attended an AICTE Sponsored Two day National Seminar on "Recent Trends in Laser Technology and Its Applications" during 29th–30th November 2017, organised by Department of EIE, VNRVJIET, Hyderabad.
- Attended a TEQIP-II sponsored One Week National Workshop on "Design and Applications of Nano Materials for Sensors", during 10th–15th November 2016, VNRVJIET, Hyderabad.
- Attended a National level Five Day IIT-Hyderabad Sponsored workshop on "Nano sensors-design and applications", during 3rd -7th December,2016, IIT Hyderabad
- Attended TEQIP-II Sponsored Four day National level workshop on "Design and Fabrication of MEMS", during 22nd–25th February 2016, organized by Department of EIE, VNRVJIET, Hyderabad.
- Attended TEQIP-II sponsored National level Four Day workshop on "Design, Development and applications of advanced Robotics", during 2nd-5^{th}November, 2015, EIE Department, VNRVJIET, Hyderabad.
- Attended TEQIP-II National level Four Day workshop on "Real Time Applications using LabVIEW" during 1st –4^{th}July 2015, ECE & EIE Department, VNRVJIET, Hyderabad.
- Attended CVR college sponsored workshop on "Internet of Things using Arduino and Raspberry Pi",during 4th -5th December 2015, CSE Department, CVR College of Engineering, Hyderabad.
- Attended International conference on T4E at NIT warangal in the month of DEC 2015

5   Academic Contribution and Research & Consultancy:

5.1 Invited Lectures:

       1. Invited Prof. Srihari Rao, NIT Warangal

5.2. Articles / Chapters published in Books: NIL

5.3. Books published as single author or as editor: NIL

5.4. Projects Guided:

       a) UG: 19

       b) PG: Nil

5.5. Research Interests:

- Agricultural Sensors,
- Medical image processing
- embedded system design
- IOT

5.6. Ph.D students:

       a) Enrolled: NIL

       b) Submitted: NIL

       c) Awarded: NIL

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Kidney Stone Detection using Image processing Technique	Issue 6/ volume 16	ISSN 0973-4562; 463-465(p)		International Journal of Applied Engineering Research
2	Detection of severity of Optical nerve head damage using optical coherence tomography images	Issue 1/ volume 7	ISSN 2348-1226 (o); 2348-1218 (p)		International Journal of Interdisciplinary Research and Innovations(IJIRI)
3	Non- invasive of stress levels in knee implants	Issue1/ volume 14	ISSN 0973-4562		International Journal of Applied

				Engineering Research
4	An Approach for Detection of Brain Tumor using MRI Images Using LABVIEW	Issue 7/ volume 3	ISSN: 2321-2705		International Journal of Research and Scientific Innovation
5	A Real Time Tracking and Alerting System Using Labview	Issue 4/volume 5	ISSN (Print) : 2320 – 3765 ISSN (Online): 2278 – 8875		International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering

5.8. Papers presented at National / International conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Vouch augmented Program Courses Recommendation System for E-Learning	International Conference for Smart computing and Informatics, SCI-2020	International	9th-10th Oct 2020
2	Exudates and color analysis for detection of diabetic macular edema	ICCT-19	International	29th-31st Mar 2019
3	Analysis of Retinal Blood Vessel Segmentation in different types of Diabetic Retinopathy	ICRCET-18	International	Jan 31st – Feb 1st 2019
4	Design and Efficiency comparison of Buck converter using P,PI and PID controllers	ISBN 978-93-5258-110-8	International	2nd-3rd March 2016
5	Route Map based Locomotive Position Tracking System. The same paper was selected for Elsevier proceedings	ICPVS-2014. Elsevier proceedings with ISBN: 978-93-5107-228-7.	International	28th-29th March 2014

5.9. Sponsored research Projects: NIL

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: NIL

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

- Departmental Appreciation award as wall magazine coordinator for the period during 2012-2015 in GNITS, Hyd
- As second topper in M.Tech(ES) during 2012 from CVR college of Engineering

7. Motto:

- The most effective way to do it is, to do it