Name: Mr. Illa Pavan Kumar

Designation: Assistant Professor

Department: Information Technology

Email: pavankumar_i@vnrvjiet.in

AICTE ID: 1-2911278437

Date of Birth: 23rd JUNE 1988

Experience (in years):   Teaching: 11(Research: 6)   Others (if any, specify)

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	UG(B.Tech)	2010	CSE
2	PG(M.Tech)	2012	CSE
3	Ph.D(Pursuing)	Registered in 2020	CSE

2. Teaching and Learning:
2.1. Teaching Interests:
- Python Programming
- Deep Learning
- Machine Learning
- Data Analytics
- C Programming
- Linux Programming
- Theory of Computation
- Discrete Mathemetics
- Compiler Design
- Data Structures & Algorithms

2.2 Novel Teaching & Learning Techniques adopted:
- WIT and WIL
- Chalk & talk
- Explore concept

2.3 Involvement in curriculum updating / Design:NA

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

- Browsing internet to explore Computer science concepts

- Reading Books

3.2. CCA/ECA Organized:NA

3.3. CCA/ECA participated:NA

3.4. Counseling and Mentoring Activity:

- Counsels and motivates students allotted to me

3.5. Committees involved in:

- Member in T&P Committee
- Department Faculty incharge for MATLAB S/W.

4. Conference / Workshop / Seminar / Guest Lectures :
4.1 Conducted:
- Conducted (Convener) 3-Day National workshop on "Recent Trends in Image & Video Processing" under TEQIP II during 20th to 22nd March 2017 .
- Resource Person for the Python Programming certification offered from 12/12/2017 to 18/12/2017 by CSE department VNR VJIET.
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4.2 Attended
- 2-Day workshop Big Data & Hadoop at VNR VJIET
- Seminar on Cloud Computing at K L University
- Workshop on Android at K L University
- One week FDP on Sensor Networks and Internet on things organized by E & ICT Academy, NIT Warangal.
- Workshop on "Teaching & Evaluating for the 21st Century" organized by IIT Hyderabad Teaching Learning center at VNR VJIET
- One week FDP on Data Analytics with R organized by E & ICT Academy, NIT Warangal
- Two Week FDP on Foundation Program in ICT for Education Conducted by IIT Bombay.
- Two Week FDP on Pedagogy for online and Blended Teaching-Learning Process Conducted by IIT Bombay.
- 1-week NPTEL-AICTE FDP on Block-chain Architecture Design and Use cases October 2018.
- 1 Day workshop on Effective Mentoring in NPTEL online Courses at IIT Madras on 18/1/2019.
- Two-week FDP on Mentoring Educators in Education Technology conducted by IIT Bombay form 17/5/2018 to 5/7/2018
- 1 week FDP on Deep-learning and its application by AICTE-ATAL, IIIT-Naya raypur, from 4/5/2020 to 8/5/2020

- 5-day Workshop on python for Data science by leadingindia.ai ,Bennett University from 13/5/2020 to 17/5/2020
- Attended 6-days QIP sponsored STTP on Fundamentals of Deep Learning: Dive into Deep Learning from 14/3/2022 to 23/3/2022 organized by IIIT Nagpur.
- Attended 6-Day short term course on "Data Visualization for Deep Learning Using Power BI and Tableau"conducted by the Dept. of CSE, NIT Warangal and Dept.IT. VNRVJIET, Hyderabad in association with CCE, NIT Warangal from 23-02-2023 to 28-02-2023.

4.3 Guest Lectures Delivered

Guest Lecture topic	Institute & Event	Month & year
Python Programming & Applications	one week FDP on Multi technology, organized by DG Vaishnav College,Chennai	Dec,2021
Advanced Java	Guest lecture Program organized by **Mar Gregorios** College,Chennai	Dec,2021
Python Programming & Applications	Guest lecture organized by Dept.of CSA, K L Unversity	Sep.2022

4.4.Certifications

- NVIDIA: Fundamentals of Deep Learning

- IBM Deep Learning Professional Certificate Program (5 Courses) – edX

- Architecting with Google Compute Engine Specialization – Coursera

- IBM Analyzing Data with Python – edX

- Using Python for Research -edx

- IBM Machine learning with Python: A practical Introduction – edX

- Statistics for Data Analysis Using R – Udemy

- Getting Started with AWS Machine Learning – Coursera

- Programming Data structures & Algorithms using Python - NPTEL

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: NA

5.2. Articles/Chapter published in Books: NA

5.3. Books published as single author or editor: 1

Book Title: Building Scalable Architectures for Web Applications in Cloud
ISBN: 978-3-659-87777-3
Publisher: LAP –Lambert Academic Publishing, Germany

5.4. Projects Guided:

a) UG: 17

b) PG: 2

5.5. Research Interests: Machine Learning/Deep Learning, Medical Imaging

5.6. Ph. D students :

        a) Enrolled: NA

        b) Submitted:NA

        c) Awarded:NA

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	The Current State of Software Engineering Employing Methods Derived from Artificial Intelligence and Outstanding Challenges	2023 1st International Conference on Innovations in High Speed Communication and Signal Processing (IHCSP)	ISBN:979-8-3503-4595-7	Scopus	International
2	Medical Image Synthesis Workbench Supporting Multiple Modalities With Feature-Level Transforms	2023 1st International Conference on Innovations in High Speed Communication and Signal Processing (IHCSP) IEEE Xplore	ISBN:979-8-3503-4595-7	Scopus	International
3	A Design of Disease Diagnosis based Smart Healthcare Model using Deep Learning Technique	2022 International Conference on Electronics and Renewable Systems (ICEARS) IEEE Xplore	ISBN:978-1-6654-8425-1	Scopus	International
4	Stock price prediction methodology using random forest algorithm and support vector machine	Materials Today: Proceedings	ISSN: 2214-7853	Scopus	International
5	Deep Learning Methods for Lung Cancer Nodule Classification: A Survey	Journal of Mobile Multimedia:Volume 18,issue2: Enabling AI Technologies Towards Multimedia Data Analytics for Smart Healthcare	ISSN:1550-4646	Scopus	International
6	Dominant Color Palette Extraction by K-Means Clustering Algorithm and Reconstruction of Image	Springer-Advances in Intelligent Systems and Computing (2020) CONFERENCE PROCEEDINGS	978-981-15-1097-7	Scopus	International

					International
7	Server Security in Cloud Computing Using Block-Chaining Technique	Springer-Advances in Intelligent Systems and Computing (2020) CONFERENCE PROCEEDINGS	978-981-15-1097-7	Scopus	
8	Content based apparel recommendation system for fashion industry	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249 – 8958, Volume-8 Issue-6,	Scopus	International
9	Automated smart product information management through smart trolley	International Journal of Mechanical and Production Engineering Research and Development	2249-8001	Scopus	International
10	Building Highly-available, Scalable, and Reliable Architectures for Web-applications incloud	International Journal of Computer Application (IJCA), ISSUE2, and VOLUME 3 (JUNE 2012)	ISSN: 2250-1797	Google Scholar	International
11	Enterprise Cloud Migration: A Phase Driven Step-by-Step-Strategy intended for Scalability, Elasticity, Agility and Reliability	International Journal of Computer Application (IJCA), ISSUE2, and VOLUME 2 (JUNE 2012)	ISSN: 2250-1797	Google Scholar	International
12	Web Hosting in the Cloud: Key Considerations for the Deployment of web Applications to attain High-availability, Scalability and Reliability in the Cloud	International Journal of Advanced Scientific Research and Technology (IJAST), ISSUE 2, VOLUME 1	ISSN: 2249-9954.	Google Scholar	International
13	A Generalized Framework for Building Scalable Load Balancing	(IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 3 (1),	3015 – 3021	Google Scholar	International

	Architectures in the Cloud				

5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1				
2				

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

1. Received top performing mentor award of appreciation for following nptel courses from IIT madras.
   - Joy of computing Using Python
   - Discret mathematics
2. Received Faculty Excellence award for " Excellence in Caring For Students Career" from Ed & ImmiGo in September 2021
3. **2022 best paper award** for the paper "Deep Learning Methods for Lung Cancer Nodule Classification: A Survey" published in the Journal of Mobile Multimedia.

Motto: Don't be Busy. Just be Productive.