VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

KNOWLEDGE ASSET 2022-23

Name: Mr. K. Kishan Babu
Designation: Assistant Professor
Department: CSE-AIML&IoT
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Experience (in years): Teaching: 3 Y   Research: 2 Y

AICTE ID: DOB: 11-06-1991

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D. (NIT-Silchar)	Pursuing	CSE
2	M.Tech. (JNTU-Kakinada)	2014	CSE
3	B. Tech. (Bapatla Eng. College)	2012	CSE

2. Teaching and Learning:
2.1. **Teaching Interests:**
- Programming in 'C'
- Data Structures
- Computer Networks
- Digital Image Processing
- Neural Networks & Deep Learning
- Computer Vision.

2.2 Novel Teaching & Learning Techniques adopted:
WIT & WILL, Brain Storming, Learning by Doing (LBD), Group Discussions, Videos, Storyboards, Student Presentations, Concept maps, Group Project / Presentation, Conduct of Quiz.

2.3 Involvement in curriculum updating / Design:
- Storyboard design for Digital Image Processing, Computer Vision & Deep Learning courses.
- Designed syllabi for courses related to Digital Image Processing, Computer Vision, Deep Learning, and Reinforcement Learning.

- Designed Lab Protocols for the courses like Digital Image Processing, Computer Vision, Deep Learning, and Reinforcement Learning..
- Prepared Lab manual for Digital Image Processing, Computer Vision & Deep Learning.
- Designed WIT & WILL for Digital Image Processing, Computer Vision & Deep Learning.

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:
- To motivate students towards research and publication.
- Browsing the internet for research articles and Reading Books.
- Listen to music.

3.2. CCA/ECA Organized/Conducted:

3.3. CCA/ECA participated:

3.4. Counseling and Mentoring Activity:
- Mentor for AIML students

3.5. Committees involved in:

   Department level:
- Faculty Publications Coordinator
- Member of the Board of Studies
- NIRF Publications Coordinator
- Special Interest Group Coordinator
- First-Year Students Coordinator

4. Conference / Workshop / Seminar / Guest Lectures:

4.1   **Conducted:**
- Conducted an FDP on Data Engineering.
- Conducted guest lecture on Industrial Time Series data for AIML&IoT students.
- Conducted guest lectures on NN&DL for AIML students.

4.2   **Attended:**
- Attended a 5 Day Winter school program on "Deep Learning for Visual Computing Winter School 2017" during 19-23 December 2017 conducted at the Institute of Technical Education & Research, Bhubaneswar, Organized by IIT Kharagpur.
- Attended a 3 Day Short Term Course on "Data Analysis using 'R': An application to the translational research in Type-2 Diabetes Mellitus" Organized by JNTUK Kakinada, Andhra Pradesh, India during 19-21, February 2014.
- Attended a Two Day National Level Hands-on Workshop on "Research Perspectives in Cloud Computing", conducted by the Department of Computer Science & Engineering on 12th and 13th July 2014 at UCEK, JNTUK, Kakinada.
- Participated in a Two Day National Level Workshop on "Pattern Recognition & Machine Learning (PRML-14)", conducted by the Department of Computer Science & Engineering on 22nd and 23rd August 2014 at UCEK, JNTUK, Kakinada.
- Participated in One Day National Level Workshop on "Wireless Sensor Networks-A Research Perspective", conducted by the Department of Computer Science & Engineering on 6th September 2014 at UCEK, JNTUK, Kakinada.

- Participated in One Day Faculty Development Program on "Agile Software Development Methodologies & Cloud Computing", organized by the Department of Computer Science & Engineering on 8th August 2014 at UCEK, JNTUK, Kakinada.
- Attended a One Week Faculty Development Programme on Data Structures through C from 30.05.22 to 08.06.2022 conducted by Dept. of CSE, VNRVJIET, Hyderabad.
- Attended a One Week Faculty Development Programme on "Natural Language Processing (NLP)" from 13th to 17th February 2023 organized by Dept. of CSE-AIML&IoT, VNRVJIET, Hyderabad.
- Attended a One Week Faculty Development Programme on "Data Engineering" from 16th to 20th August 2022 organized by Dept. of CSE-AIML&IoT, VNRVJIET, Hyderabad.

5. Academic Contribution and Research & Consultancy:
5.1. Invited Lectures: Nil
5.2. Articles/Chapters published in Books: Nil
5.3. Books published as a single author or as editor: NA
5.4. Projects Guided:
      a) UG: 7
      b) PG: 2

5.5. Research Interests: Image Processing and Computer Vision using Deep Learning.
5.6. Ph.D. students: NA

5.7. Papers published in reviewed journals: 3

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	PCSGAN: Perceptual cyclic-synthesized generative adversarial networks for thermal and NIR to visible image transformation. (SCI Indexed).	Neurocomputing, Elsevier, 413, 41-50.	Online ISSN: 1872-8286 Print ISSN: 0925-2312	5.779	International
2	Csgan: Cyclic-synthesized generative adversarial networks for image-to-image transformation (SCI Indexed).	Expert Systems with Applications 169, 114431.	Online ISSN: 1873-6793 Print ISSN: 0957-4174	8.665	International
3	Cdgan: Cyclic discriminative generative adversarial networks for	Journal of Visual Communication and Image	Print ISSN: 1047-3203	2.887	International

	image-to-image transformation. (SCI Indexed).	Representation 82, 103382.	Online ISSN: 1095-9076		

5.8. Papers presented at National / International Conferences: 1

S. No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Rccnet: An efficient convolutional neural network for histological routine colon cancer nuclei classification.	2018 15th International Conference on Control, Automation, Robotics and Vision (ICARCV).	International	November 18-21, 2018.

5.9. Sponsored Research Projects: Nil
5.10 Consultancy Projects: Nil

6. Awards / Honors/Achievements received:
- Reviewer for IEEE Transactions on Image Processing.
- Reviewer for Expert Systems with Applications, Elsevier.
- Reviewer for Signal, Image, and Video Processing Journal, Springer.
- Reviewer for Engineering Applications of Artificial Intelligence, Elsevier.
- Reviewer for Neural Processing Letters, Springer.
- Reviewer for Journal of Sensors, HINDAWI LTD.
- Qualified in GATE' 12 and GATE' 11.
- UGC NET Lectureship Qaulified in June-2014, Dec-2015, July-2016 and July 2019.
- AP State Eligibility Test 2015 Qualified.

7. Important Links:
- **Scopus ID**: https://www.scopus.com/authid/detail.uri?authorId=57205620099
- **SemanticScholor:** https://www.semanticscholar.org/author/Kancharagunta-Kishan-Babu/51481449
- **Git Hub:** https://github.com/KishanKancharagunta
- **dblp:** https://dblp.org/pid/228/6915.html
- **ORCID:** https://orcid.org/0000-0001-5613-804X
- **Google Scholor:** https://scholar.google.com/citations?user=rVXV8IIAAAAJ&hl=en
- **Website:** https://sites.google.com/site/kishankancharagunta

8. Motto: "I cannot teach anybody anything; I can only make them think."