

kNOName : RASWITHA BANDI
Designation : Assistant Professor
Department : IT
Mail. ID : raswitha_b@vnrvjiet.in
AICET ID : 1-7366884391
Date-Of-Birth : 27-07-1985



Experience (in years): Teaching: 10 Research: MACHINE LEARNING Others (if any, specify): NIL

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph.D	Pursuing	Machine Learning
2.	M.TECH	2012	Computer Science and Engineering
3.	B.TECH	2006	CSIT

2. Teaching and Learning:

2.1. Teaching Interests: Data Base Management Systems, Automata and Compiler Design, Design and Analysis of Algorithms, Big data Analytics, Programming in C, Machine learning.

2.2. Novel Teaching & Learning Techniques adopted: Active Learning Strategies, WIT and WIL, Learning by Doing

2.3. Involvement in curriculum updating / Design: Designed Curriculum for Big data Engineering Lab using Hadoop, Automata and Compiler Design

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Reading Story Books

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated:

- ECA Coordinator
- Micro Project Coordinator
- News Letter Coordinator

3.4. Counseling and Mentoring Activity: Counseling the students.

3.5. Committees involved in:

Department level:

- Dept Time Table I/c
- Extension Activities Coordinator
- OTLE Member

4. Conference / Workshop / Seminar / Guest Lectures:

4.1. Conducted:

- Organized FDP on “Big Data and Hadoop” at MLRIT in Nov, 2019.
- Organized Guest lecturers for III B.Tech students on Mobile Application Development at MLRIT, 2018.
- Organized Three Day Online Workshop On ESSENTIALS OF PYTHON PROGRAMMING at VNRVJIET in July 2020.

4.2. Attended:

- Attended three day workshop on Big data computing organized by VNRVJIET from 02 feb to 4th February 2023.
- Completed NPTEL course on Introduction to Machine learning with Elite certificate from July 2022 to September 2022.
- Attended FDP on Research challenges and hands on Practice in data analytics and AI organized by NIT Warangal from 21st july to 31st july 2022.
- Attended Edx course on Machine Learning for Data Science and Analytics organized by Columbia University from August 2021 to October 2021.
- Attended IBM Edx Course on Python baics for Data Science from April 2021 to June 2021
- Attended workshop on “DEEP LEARNING FOR COMPUTER VISION - HANDS ON” organized by SRM university, Chennai from 02.11.2020 to 06.11.2020.
- Attended AICTE Sponsored One Week Online Short Term Training Programme (STTP) on Machine Learning and Deep Learning Techniques for Artificial Intelligence Problems using Python (MLDLT 2020), Organized by Dept of IT,VNRVJIET from 16.11.2020 – 21.11.2020.
- Attended AICTE Sponsored One Week Online Short Term Training Programme (STTP) on Cyber Security, Organized by PSR Engineering college, Chennai from 19.10.2020 to 24-10-2020.

- Attended one week professional Development programme on “Mathematics for Data Science”,organized by Dept of CSE,VNRVJIET from 26.10-2020 to 31.10.2020.
- Attended AICTE Sponsored One Week Online Short Term Training Programme (STTP) on “Blockchain and it’s applications” organized by Palmaneer Institute of Technology,Chennai from 19.10.2020 to 24-10-2020.
- Participated and completed ATAL Traning on “Data Sciences” from 28.09.2020 to 02.10.2020.
- Completed Udemy Course on Tableau training for Data Science on 05.10.2020.
- Attended AICTE Sponsored One Week Online Short Term Training Programme (STTP) on “Internet of Things Based Green Energy systems” organized by BVRIT from 14.09.2020 to 19.09.2020.
- Attended AICTE Sponsored One Week Online Short Term Training Programme (STTP) on “cognitive Computing” organized by RMK college of Engineering and Technology from 14.09.2020 to 19.09.2020.
- Completed Udemy Course on “Basics Data Science using Numpy,pandas, Matplotlib” on 23.09.2020.
- Participated and completed ATAL Traning on “AR/VR” Organized by VNRVJIET from 07.09.2020 to 11.09.2020.
- Completed Course era course on”Neural networks and Deep Learning” on 09.09.2020.
- Attended AICTE Sponsored Six Days Short Term Training Programme on “Cyber Security, Cyber Forensics and Cyber Laws” from 31.08.2020 to 5.09.2020.
- Completed Courseera course on “Tools for Datascience” on 28.08.2020.
- Completed Courseera course on” Machine Learning with Python” on 26.08.2020.
- Completed Courseera course on “Basics of Data Science” on 01.27.2020.
- Completed Courseera course on “Machine Learning Foundations: A Case Study Approach” on 19.08.2020.

- Completed two days CDAC Training on Cyber Hygiene Practices and Digital Signatures on 19.08.2020.
- Participated in webinar on “Recent Trends and Opportunities in Futuristic Virtual Reality Technologies” organized by RajivGandhi Institute of Engineering and Technology on 30.08.2020.
- Participated in webinar on “Image Processing” Organized by Aiman college of ARTS and Science college for womeiman college of ARTS and Science college for women on 30.07.2020.
- Attended one week workshop on “VNR Initiatives and awareness on OBE”, organized by VNRVJIET, from 06.07.2020 to 11.07.2020.
- Attended one week workshop on “Effective online Teaching using ICT” organized by VNRVJIET, from 29.06.2020 to 04.07.2020.
- Completed Course on “Introduction to Data Science in Python” by courseera on 27.07.2020.
- Completed A Two Day Workshop on “Developing an E-Content” organized by Vaagdevi Engineering college from 18.06.2020 to 19.06.2020.
- Completed Course on “Programming for Everybody (Getting started with Python)” by Course era from 08th June.
- Attended FDP on” Cyber Security” Organized by VNR Vignan Jyothi Institute of Technology from 2nd June to 5th June.
- Attended Third Edition of the Industry Institution Summit-IIS 3.0organized by IET (The Institution of Engineering and Technology) Chennai Local Network on 30th May 2020.
- Attended Webinar on “Machine and Deep Learning for Engineering Applications using MATLAB” Organized by Math Works on 29th May2020.
- Completed FDP on Python 3.4.3 Organized by Spoken tutorials, In association with IIT Bombay From 28th May 2020.
- Participated in Online Quiz on “Test your knowledge on NBA Criteria's” Organized by MLR Institute of Technology on 27th May 2020.

- Attended FDP on Blended Learning from 20th May2020 to 23rd May 2020 Organized by TASK.
- Participated in Online Quiz on “Basics of Machine Learning” organized by Bharathi Institute of Science and Technology, Chennai on 15th May2020.
- Participated in Online Quiz on "Faculty Awareness Program on NBA" Organized by Bharati Vidyapeeth College of Engineering, Navi Mumbai on 13th May 2020.
- Completed online workshop training on Machine Learning using Python by Skifi Labs pvt ltd from 8th May to 22 June 2020.
- Completed course era course on machine learning by Stanford university from April to August 2020.
- BIG DATA – INTERNET SOURCE(HADOOP, HDFS COMMANDS, Mapreduce, hive,pig)
- DEEP LEARNING – NPTEL REGISTERED Course completed
- 3-Day Faculty Development Program on Big Data and Hadoop by M.Srinivas Rao, Techy Bees at MLRIT, Nov 2019.
- Faculty Enrichment Program on Outcome Based Education & Teaching Methodologies’ conducted by TLC, May 2019.
- 3-Day Faculty Enrichment Program on ‘Transforming Teaching Learning Process’ at MLRIT, Oct2019.
- 7-Day Workshop on ‘Advanced Deep Learning Techniques’ at K L University, May 2019.
- 2-Day workshop on ‘Big Data & Data Science’ at MLRIT,2018.
- FDP on Teaching Learning Process at MLRITM, 2017
- FDP on Information Security Incident Response & Management , at JNTUH, 2016

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles/Chapters published in Books: 2

5.3. Books published as single author or as editor: Book Published on “OOAD” as an author.

5.4. Projects Guided:

a) UG: 20

b) PG: NIL

5.5. Research Interests: Machine Learning

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	A Framework For Automatic Liver Image Segmentation Using CU-Net	International Journal of Advanced Science and Technology	ISSN: 2005-4238	0.11	International
2	Object Recognition Using Keras with Backend Tensor Flow	International Journal of Engineering & Technology UAE	ISSN 2227524X	3.546	International
3	Machine Learning with PySpark – Review	Indonesian Journal of Electrical Engineering and Computer Science	ISSN: 2502-4752	0.92	International
4	Secured communication using Modified Needham Schroeder Protocol	Journal of Advanced Research in Dynamical and Control Systems	ISSN 1943–0230	1.04	International
5	Big Data Technique To Provide Security And Simplifying The Heterogeneous Data	Indian J.Sci.Res	ISSN: 0976-2876	0.19	International
6	A Comparative Analysis for Big Data Challenges and	International journal of intelligent Engineering and systems	ISSN No: 2185-3118	0.19	International

	Big Data Issues using Information Security Encryption Techniques				
7	Implementation Of Smart Parking Management System Using Apache Tomcat Server	International Journal of Advanced Research in Computer Science	ISSN No: 0976-5697	3.72	International
8	Fuzzy Logic Aware QoS Multicasting in MANETs with Load Balance	International Journal of Engineering & Technology	ISSN: 2227-524X	3.546	International
9	Gesture Recognition using Convex Hull and Hull Defects method to control electronic appliances in home	Online International Conference on Recent Advances in Deep Learning (ICRADL-2021) International Journal of Engineering Research & Technology (IJERT)	ISSN: 2278-0181	-	International
10.	Machine and Deep Learning Techniques for Internet of Things based Cloud Systems	Bookchapter: Data Science and Data Analytics: Opportunities and Challenges	ISBN 9780367628826	-	International
11.	Android app for inventory management system in supermarket	International Conference on Smart Modernistic in Electronics and Communication- ICSMEC 2020	ISBN No. 978-93-80831-43-5	-	International
12.	Iml- Traffic Prediction: Intelligent Traffic Prediction Using MACHINE LEARNING	Patent	-	-	Indian
13.	Tensorflow Model in Medical Image Analysis-review	Turkish Journal of Computer and Mathematics Education	e-ISSN 1309-4653	-	International
14	Brain Stroke Detection Using K-	Turkish Journal of	ISSN 2651-4451	-	International

	Means Interfaced With Fuzzy C-Means For Improved Accuracy And Scanning Speed	Physiotherapy and Rehabilitation			
15	Stock Price Prediction using Recurrent Neural Network and LSTM	2022 6th International Conference on Computing Methodologies and Communication (ICCMC)	IEEE	-	International
16	A Review on Internet of Things-Based Cloud Architecture and Its Application	ICMLBDA 2022: Machine Learning and Big Data Analytics	pp 255–267	-	International

5.8. Papers presented at National / International Journals:

5.9. Sponsored research Projects: NIL

5.10 Consultancy Projects: NIL

6. Awards / Honors received: NIL

7. Motto: Learn Everyday To Gain Knowledge.