


Name of the Faculty	Dr. ROSHAN KAVURI		
Designation	Associate Professor & HOD		
Date of Joining	24-07-2024		
E - Mail	Roshan.kavuri@gmail.com hod.ai_ds@jbiet.edu.in		
Educational Qualifications	Name of the Degree	Institute	Class
Ph. D	Doctor of Philosophy (CSE)	SSSUTMS	Awarded
PG	M. Tech (CSE)	JNTU,Hyderabad	First
UG	B.E (ECE)	SRKR Engg college,	Second
Work Experience			
Teaching	25 Years		
Research	15 Years		
Industry	4 years		
Responsibilities held at the central level in college	<ul style="list-style-type: none"> • NAAC Coordinator. • Member, Academic Council, from 04-06-2014 to till date. • Additional Controller of Examinations for the UG Courses in J.B INSTITUTE OF ENGINEERING & TECHNOLOGY, Hyderabad from October 2013 to March 2017 • Coordinator of Jawaharlal Knowledge Centre (JKC) J.B INSTITUTE OF ENGINEERING & TECHNOLOGY, Hyderabad from 2010 to 2013 		
Responsibilities held at the departmental level in college	<ul style="list-style-type: none"> • Head of the Department from 04-06-2014 to till date. • Chairman, Board of Studies from 04-06-2014 till date. • Member Board of Studies, from 14-12-2011 to till date. • UG Coordinator from 2020 to 2022. • Associate Professor & HOD in Artificial Intelligence & Data Science (AI&DS) Department and HOD CSE (DS), J.B INSTITUTE OF ENGINEERING & TECHNOLOGY, Hyderabad from August 2022 to till date • Associate Professor & HOD in Electronics and Computer Engineering (ECM) Department, J.B INSTITUTE OF ENGINEERING & TECHNOLOGY, Hyderabad from June 2014 to July 2022 		

	<ul style="list-style-type: none"> • Associate Professor in Information Technology Department, J.B INSTITUTE OF ENGINEERING & TECHNOLOGY, Hyderabad from July 2009 to May 2014 • HOD MCA & I/C HOD IT Depts., J.B INSTITUTE OF ENGINEERING & TECHNOLOGY, Yenkapalli, Moinabad, Hyderabad from 2007 to 2009 • Coordinated NBA work from IT Department. J.B INSTITUTE OF ENGINEERING & TECHNOLOGY, Yenkapalli, Moinabad, Hyderabad • Assistant Professor in CSE Department at J.B INSTITUTE OF ENGINEERING & TECHNOLOGY, Yenkapalli, Moinabad, Hyderabad from 2004 to 2006 • Ratified as an Assistant Professor in IT Department, JBIET, Hyderabad in 2006 • Ratified as an Associate Professor in IT Department, JBIET, Hyderabad in 2011 • BOS Chairman for ECM Department, JBIET from June 2014 to August 2022 • BOS Chairman for AI&DS Department, JBIET from August 2022 to till date • BOS Chairman for CSE(DS) Department, JBIET from August 2022 to till date • Academic Council member, JBIET from June 2014 to till date
<p>Courses Handled at UG Level</p>	<ul style="list-style-type: none"> • Machine Learning • R-Programming • Python Programming • Introduction To Neural Networks • C- Programming & Data Structures • Computer Organization • Operating Systems • Network Security • Advanced Computer Architecture • Computer Networks • Distributed Operating Systems • Artificial Neural Networks • Computer Communications

	<ul style="list-style-type: none"> • Data Communications • Software Engineering • Human Computer Interaction • Switching Theory & Logic Design • Telematics • OSSP • OOAD • OOPS
Courses Handled at PG Level	<ul style="list-style-type: none"> • Operating Systems • Advanced Computer Architecture • Computer Networks • Network Security • Artificial Neural Networks • Software Engineering • Distributed Operating Systems • Parallel Computing
Area of Research	<ul style="list-style-type: none"> • Operating systems, parallel computing ,computer networks, Modelling and analysis of distributed systems
Research Guidance for M. Tech/ Ph. D Students	<ul style="list-style-type: none"> • Guided 12 M. Tech Dissertations.
Patents Published	<ul style="list-style-type: none"> • IoT, Artificial Intelligent and YOLOv3 based Infrared Anomaly Detection for Power Equipment Application number 202241007572 Date of Filing: 12/02/2022, Date of Publication: 25/02/2022 • A Framework for Cooperative Spectrum Sensing for Optimal Resource Allocation towards Green Cognitive Radio Networks Application number No.202241007447A Date of Filing: 11/02/2022, Date of Publication: 04/03/2022 • Machine Learning Strategy for Performance Enhancement of Phase Change Material for a Smart Control Solar Application Application number TEMP/E-1/77680/2022-CHE Date of Publication: 23/11/2022
Prominent Research Publications in Conferences	<ul style="list-style-type: none"> • J. Bhasker Rao Memorial 1st International conference on Advanced Applications of Technology and Management (AATM-2023) IOT-Based Stand-Alone Crop Cultivation System JBIET, Hyd. from 10-11 March 2023

	<ul style="list-style-type: none"> • International Journal of Scientific Engineering and Research (IJSER) A Study & Review Analysis on Cloud, Fog & Edge Computing Platforms Nov.,2020 • Advances in Mathematics: Scientific Journal An Efficient Approach for Task Scheduling in Heterogeneous Computing Systems Using HEFT & CPOP Algorithms July,2020 • Journal of Critical Reviews Examination of Fluctuating Parameters for Task Scheduling in Heterogeneous Computing Systems May,2020 • Conference DISC 2020 Atmospheric Models Of Rainfall Forecasting Using Multi-Layer PerceptronJan.,2020 • International Journal of Innovative Technology and Exploring Engineering (IJITEE) Resource Allocation Technique for Distributed System using Prioritized Class-Based Algorithm July,2019 • International Journal of Scientific Research and Review Efficient Cache Supported Path Planning on Roads Volume 7, Issue 6, 2018 • Published paper in IJRCSE Vol- 4 (International Journal of Research in Computer Science Engineering)Secure Delegating Logging as a Service Management to Cloud Sep.- Oct., 2014 • Published paper in National Conference on Advanced Computing and Pattern Recognition-2014 Enhanced Multi-Tier Security for Wireless Sensor NetworksMarch, 2014 • Paper published in IJRRECS (International Journal of Reviews on Recent Electronics and Computer Science Proficient Topology for reducing Data loss in wireless networks October, 2013 • Paper published in GJCST Global journal of Computer Science and Technology Graphics & VisionRobust Automatic Face recognition May, 2013 • Proceedings of the second International Conference on Computational Science, Engineering and Informational Technology (CCSEIT-2012) Fault Tolerance: Case Study ACM Digital Library October, 2012 • International Journal of Computer Science & Information Technology(IJCSIT) Newfangled Method against Data Flooding Attacks in NANET June, 2012 • International Conference of Advanced Computer Science & Information Technology (ACSIT_2012) Panoramio- A Mobile application Based on Android Chennai July,2012
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	<ul style="list-style-type: none"> • International Workshop of Information Technology, Control and Automation(ITCA 2012)Online Subversion Web Client Chennai, July,2012 • International conference of Advanced Computer Science & Information Technology (ACSIT_2012) SQL Server Failover Clustering Chennai, July, 2012 • International Journal of Computer Information Systems(IJCIS)An Electronic Payment Architecture Platform for Wireless Mobile Networks Feb.,2012 • International Journal of Computer Science & Informatics(IJCSI) Image Edge Detection Jan., 2012 • 2nd Vagdevi International Conference on Informational Technology for Real World Problems in 2010 (Vcon-2010) Formal Modeling of Dynamic Mobile Device Grid Warangal, Dec., 2010
Prominent Research Publications in Journals	https://scholar.google.com/citations?user=PRxLsUgAAAAJ
Web of Science/Scopus ID	https://scholar.google.com/citations?user=PRxLsUgAAAAJ
Google Scholar ID	https://scholar.google.com/citations?user=PRxLsUgAAAAJ
H-Index (As per SCOPUS Database)	3
PROFESSIONAL MEMBERSHIPS	<ul style="list-style-type: none"> • Life Member in Computer Society of India (MCSI)
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops (Attended)	<ul style="list-style-type: none"> • Participated in a One-Day Faculty Training workshop on “Data Science Trends, Technologies & Typical Applications” on 17th February 2024 organized by AI&DS Department, BIET • Delivered a lecture on “ Teachers as Learners “ in two weeks intensive teaching workshop conducted in JBIET from from 10th July 2023 to 22nd July 2023

	<ul style="list-style-type: none"> • Participated in a 2-Day J. Bhasker Rao 1st International Conference on “ Advanced Applications of Technology and Management” on 10th & 11th March 2023 organized by Department of ECE J.B Institute of Engineering & Technology • Participated in 2-Day 2nd International Conference on “Computational Intelligence & Data Engineering” on 6th & 7th January 2023 organized by Department of CSE, Vidya Jyothi Institute of Technology • Participated in a 3-Day Virtual Faculty Development Program on “Transformation of Pedagogies on English Language and Communication Skills” organized by Hyderabad Institute of Technology and Management from May 16th-18th,2022 • Participated in a 2-Week Faculty Development Program on “Advanced Artificial Intelligence Technologies and Leveraging Open Frameworks and SDKs transformation” organized by JBIET Department of CSE from 22-02-2022 to 6-03-2022 • Participated in two days International Conference on “ Devices, Intelligent Systems & Communications” from 9-10th January 2020 organized by Department of ECE J.B Institute of Engineering & Technology • Delivered a Guest Lecture on “Induction Program for Newly Joined Faculty” from 19th -20th December 2017 organized by JBIET • Attended One- week national level workshop on “MATLAB and its Applications” MIA17 during 1st May 2017 to 6th May 2017 • Attended a FDP program on “Significance of Outcome Based Education (OBE) in achieving excellence” organized by JBIET during 21-22 April 2017 • Delivered a Lecture in Faculty development program on “Effective teaching Methodologies & Best practices” from 22-28th February 2017 organized by JBIET • Attended a faculty Development Programme on “ IOT” from 9th-14th October 2017, organized by department of CSE, JBREC. • Attended a faculty Development Programme on “ Statistical Analysis with R” from 18th-23rd March 2017, department of CSE, JBIET • Participated in One-Week Faculty Development Program on “Effective Teaching Methods & Best Practices” in JBIET during 5 - 9 December, 2016. • Participated in “Elsevier Connect Seminar” held on 16 November, 2016, Hyderabad. • Participated in a one-day workshop on “Research Trends in VLSI & Embedded Systems” on 5 November, 2016 in JNTUHCE, Hyderabad.
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	<ul style="list-style-type: none"> • Participated in a one-day workshop on “Advanced Programming Techniques with MATLAB” on 16 September, 2016 in JNTUHCE, Hyderabad. • ECM branch organized fest “Progrezion” on 31st March & 1st April, 2K16 Chief Guest Dr. P.K.Jain Scientist-F & Team leader ARCI, Hyderabad • Attended a FDP program on “Microsoft Azure” on 14th & 15th March 2016 • One-Day workshop conducted by ECM dept. with Mozilla Firefox team on 20th Feb 2016 at MIC JBIET by Akshay, Santosh, Harsha Vardhan & Deepak Upendra • Organized A Guest Lecture on October 8th 2015 by Chief Guest Dr. A. Govardhan(Director SIT & EC Member, JNTU-H) on "Recent Trends of learning to become a good Software Professional" • Two-day National Level Workshop on “Research Methodology in Science, Engineering & Management” held during 28th February 2014& 1st March 2014 at JBIET, Hyderabad, Andhra Pradesh • Co-ordinated for “3D GAME Designing & Scripting" by Virscent Technologies Pvt. Ltd.(An IIT Kharagpur Alumni Venture) in association with Education Project Council of India from 19th - 20th March,2013 at JBIET • Participated in ‘Mission 10X’ workshop conducted at J. B. Institute of Engineering & Technology at Yenkapally (v), Moinabad (M), Ranga Reddy (Dist.) from 6th to 10th June 2011 • Attended a Five- day training program conducted by Mission 10X and Wipro from June 5th to June 9th 2011 at J. B. Institute of Engineering & Technology, Hyderabad • Attended One-day workshop on “Advanced Computer Architectures” on 28th March 2009 at JNTUCE Hyderabad, conducted in coordination with IIT Madras. • Attended One-day workshop on “Systems Integration” by Microsoft and IEG/JKC through Mana TV on 20th Feb-2009. • Attended a Five-day workshop of “TECS” TCS Excellence in computer science 2008 by TCS Hyderabad. 14th to 18th Feb, 2008. • Attended a Five-Day Workshop on “LINUX in Higher Technical Education during 3rd - 7th September 2007 at JBIET, Yenkapally, Hyderabad • Attended a three-day workshop on “Research Methodologies for Engineers” during 13th - 15th Feb 2007 at JBIET, Yenkapally, Hyderabad
Details of Short-Term Training Programs/Faculty Development	<ul style="list-style-type: none"> • What is the Internet of the Things: An Introduction (IEEE Course) 30 April, 2020 • Cryptography Fundamentals (IEEE Course) 1 May, 2020 • Data Security in the Cloud (IEEE Course) 1 May, 2020

Programs/Certification programs	<ul style="list-style-type: none"> • Enterprise Block Chain Overview (IEEE Course) 10 May, 2020 • Overview of Edge Computing (IEEE Course) 10 May, 2020 • Application Scenarios of Edge Computing (IEEE Course) 10 May, 2020
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops (Organized)	<ul style="list-style-type: none"> • Google Cloud platform Webinar on 27-06-2020 11:00 am to 12:30 pm Mrs. Ayesha Unnisa JBIET, ECM Department Asst. Prof. • Artificial Intelligence Webinar on 29-06-2020 11:00 am to 12:30 pm Mr. N Vijay Kumar Verizon India Senior Software Engineer & Data Scientist • Self-Assessment and Self-learning a Hands-on Approach. Webinar on 01-07-2020 11:00 am to 12:30 pm Mr. D Pavan Das JBIET, ECM Department Asst. Prof. & Life Skills Coach • Hybrid Multi Cloud (Next step in Cloud Computing) Webinar on 04-07-2020 11:00 am to 12:30 pm Mr. Ajay Sharma IBM Senior software engineer & Project delivery executive
Details of Short-Term online Training Programs/Faculty Development Programs/Seminars/Workshops attended	<ul style="list-style-type: none"> • Faculty Programme on NBA 13 May, 2020 • Internet of Things (IOT) using Arduino 13 May, 2020 • AICTE Margadarshan FDP on Writing Papers & Research Methodologies 7-13 May, 2020 • A Step towards Excellence GCEK (QUIZ1 OBE) 14 May, 2020 • 'SAMSHODHANA' Quiz on Research Paper Reading Skills 15 May, 2020 • National Webinar on "An IOT based Implication of Data communication in Nano Satellite Design- A Birds Eye View" 15 May, 2020 • Faculty Awareness Programme on Research Methodology organized by R&D Cell, Datta Megha Institute of Engineering & Technology and Research, Sawangi, Wardha 16 May, 2020 • Basics of Indian Economy by Department of commerce SG Govt. Degree and PG College, Piler 16 May, 2020 • Webinar on Teaching methods An Online Training Programme offered remotely 16 May, 2020 • Webinar on Online Teaching Methods 16 May, 2020 • International Telecommunication Quiz by JBREC 17 May, 2020 • Webinar on "ROAD MAP TO GET A PATIENT" 21 May, 2020 • Quiz on "COVID-19: Technological and Digital Transformation for a New Era" 22 May, 2020 • Electric Mobility - History and Technology 22 May, 2020

	<ul style="list-style-type: none">• Online National Level Quiz on Concept of Electrical Engg. 25 May,2020• Faculty Awareness Programme on Research Methodology 27 May, 2020• E-Quiz on English Grammar 2020 28 May, 2020• Quiz on “NAAC Accreditation & Awareness” 29 May, 2020• Faculty Awareness Quiz on Machine Learning 02 June,2020• A Faculty Strong Role in Engineering Colleges (E-Quiz) 05 June,2020
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