



VNR VIGNANA JYOTHI INSTITUTE OF
ENGINEERING AND TECHNOLOGY



DIGITAL DYNAMOS

FUELING THE FUTURE WITH AIML & IoT

NEWSLETTER-2024

CSE - AIML & IOT



ABOUT VNRVJIET

VNR Vignana Jyothi Institute of Engineering and Technology (VNRVJIET) is an autonomous institution dedicated to deepening knowledge and shaping the future. Established in 1995, it's a testament to the Vignana Jyothi Society's commitment to quality education. Located on a 7.33-hectare campus in Hyderabad,

VNRVJIET is known for its strong foundations, commitment to excellence, and comprehensive student development. It offers various programs, including B.Tech, M.Tech, and Polytechnic courses, making it one of the top engineering colleges in the region.

ABOUT THE DEPARTMENT

At the core of this department lies Artificial Intelligence (AI), the driving force behind groundbreaking breakthroughs in various fields. The department's relentless pursuit of AI excellence unlocks the potential to unravel complex problems and improve the efficiencies of the students to meet the industry needs. The department's expertise in machine learning drives the development of robust and adaptable models, empowering the students to unlock the untapped potential from various data assets. In synergy with AI and machine learning, the department embraces the transformative potential of the Internet of Things (IoT), which interconnects a myriad of devices, sensors, and systems. By seamlessly integrating the physical and digital worlds, IoT creates an intricate network of intelligent endpoints that generate a vast ocean of data. The department guides the students to harness the data generated through various devices, sensors and also work on real time datasets to unlock the new possibilities facilitating intelligent decision-making. The students are encouraged to work on real-time monitoring projects across diverse domains.

ABOUT KRITHOMEDH

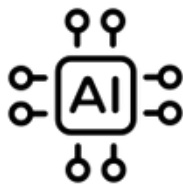
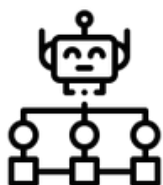
KRITHOMEDH was formed in 2022 by few AIML & IoT Enthusiasts .This Student community raises awareness in the field of AI, ML and IOT through hands on Workshops ,hackathons and other exciting events.This club was inaugurated by chief guest Mr.Sangameswar Reddy garu and department Faculty.



VISION

To emerge as an epicenter having transformative impact in the education and research of Artificial Intelligence & Machine Learning and Internet of Things with an ecosystem that contributes to the society through innovativeness and creativeness.

Digital Dynamos is launched by CSE-AIML and IoT department of VNRVJIET. It serves as an annual compendium, encompassing a comprehensive details of technical updates and valuable insights for the benefit of its members. Within its pages, one can find an exhaustive account of the activities conducted throughout the academic year, accompanied by insightful articles contributed by the students themselves.



Mission 1: To Impart innovative teaching and learning methodologies to generate knowledge through the state-of-the-art concepts and technologies in AI-ML and IoT with personal and professional responsibilities and commitment to lifelong learning with societal aspirations

Mission 2: To produce successful Computer Science and Engineering graduates with a specialization in AI-ML and IoT.

Mission 3: To establish centers of excellence in leading areas of AI-ML and IoT in collaboration with industry to uplift innovative research and development.

MISSION

Department of CSE- AIML & IoT strives to create an ecosystem that not only excels in education and research but also actively contributes to the society through innovation and creativity. The primary goal is to pursuit excellence in education and research by creating solutions that address global challenges. The faculty members within the department are highly skilled and well-versed in their respective fields, acting as valuable resources in seminars, faculty development programs, conferences and delivering invited talks. With certifications in Artificial Intelligence and Machine Learning from renowned institutions such as IIT Hyderabad, they bring a wealth of expertise to the table. By staying up to date on the latest trends and developments, they ensure that their teaching methodologies and curriculum remain relevant and aligned with industry standards. The faculty's commitment to continuous learning and professional development enables them to provide the students with valuable exposure to real-world scenarios and industry best practices, bridging the gap between academia and industry.

In summary, our department is driven by a motto that prioritizes experiential learning through hands-on training, course-based projects, interdisciplinary projects, research projects and summer internships. By integrating experiential learning into our curriculum, students gain valuable practical skills that complement their theoretical knowledge. The interdisciplinary environment fosters an exchange of ideas, promotes collaboration, and nurtures a culture of continuous learning, ensuring that the department remains at the forefront of global AI and IoT advancements.

MESSAGES

Dr. C D Naidu (PRINCIPAL)

At VNRVJIET, our educational philosophy centers around the journey of "Presenting," fostering a deep connection to knowledge and a commitment to shaping the future. With unwavering dedication to quality, integrity, and innovation, we've established a solid foundation that continues to thrive.

Our commitment to excellence and global standards is at the core of our mission. At VNRVJIET, we are dedicated to empowering our students to excel and make a positive impact.

I'm thrilled to highlight the exceptional journey of our Department of Computer Science and Engineering specializing in Artificial Intelligence, Machine Learning, and the Internet of Things (CSE AIML & IoT). Our unwavering commitment to innovation, research, and excellence has positioned us as a beacon of technological advancement. Our talented faculty, dedicated students, and relentless pursuit of knowledge are propelling us into the future.

As the principal, I want to commend your achievements and contributions to our college's reputation and the global AIML & IoT community. Our collective efforts are shaping a brighter tomorrow, embracing the possibilities presented by Mezzanine Technologies. I am confident that together, we will continue to push boundaries, inspire, and lead the way in this dynamic field. It's a pleasure to launch the newsletter "Digital Dynamios."



Dr. B Chennakesava Rao (Director)

At VNRVJIET, our mission is to prepare socially responsible engineers, managers, and entrepreneurs, equipping them for the future through innovative projects and modern pedagogy. Quality, integrity, and an unwavering commitment to continuous improvement drive our vision, reflecting our dedication to excellence in education and research.

The Department of AIML & IoT remain steadfast as a cornerstone of cutting-edge education and research at our college. Our devoted team of faculty and staff is resolute in fostering innovation and excellence in Artificial Intelligence, Machine Learning, and the Internet of Things. Our students, the driving force behind our success, showcase remarkable talent and passion.



Together, we embrace the ever-evolving technology landscape, pushing boundaries and nurturing the next generation of experts. As the Director, I take immense pride in this department's achievements and eagerly anticipate our continued growth, innovation, and global impact. The launch of the "Digital Dynamos" newsletter is a significant moment for us, and we look forward to its continued role in inspiring and informing countless students about our department's remarkable achievements and legacy.

Dr. N Sandhya (Professor, H.O.D of AIML & IoT)

At the core of our department is Artificial Intelligence, a driving force behind groundbreaking advancements in various fields. Our unwavering commitment to AI excellence empowers our students to tackle complex problems and meet industry demands. We specialize in machine learning, developing robust models from diverse data sources.

Embracing the transformative potential of the Internet of Things, we interconnect devices and sensors, creating an intelligent network of endpoints that generates vast data streams. Our students engage in real-time monitoring projects across diverse domains.

Our mission is crystal clear: to be a hub of excellence in AI, Machine Learning, and IoT education and research. We offer innovative teaching, produce successful graduates, and establish centers of excellence through industry collaboration. Our dedicated faculty, certified by renowned institutions, ensures our teaching remains relevant and industry-aligned. We prioritize experiential learning, bridging the gap between academia and industry through hands-on training, research projects, and internships.

We are a department driven by innovation, creativity, and an unwavering commitment to excellence. Join us in shaping the future of AI, Machine Learning, and IoT. Together, we will leave a lasting impact on the world. The launch of the "Digital Dynamos" newsletter is a significant moment for us, and we eagerly anticipate its ongoing role in inspiring and informing countless students about our department's remarkable achievements and legacy.



Dr. A Kousar Nikhath (Faculty Co-ordinator)

As the Faculty Coordinator, I am immensely proud to be a part of the Department of CSE AIML & IoT at VNRVJIET and our collaboration with the KRITHOMEDH club. We are a vibrant hub for cutting-edge technology and innovation, and our dedicated faculty members are deeply immersed in the realms of Artificial Intelligence, Machine Learning, and the Internet of Things.

Our primary focus is on inspiring and empowering our students through experiential learning, interdisciplinary projects, and strategic industry partnerships. We aim to nurture a spirit of exploration and technical excellence, and it's an exhilarating journey that we are thrilled to share with our dedicated students and faculty



The launch of the "Digital Dynamos" newsletter is a significant moment for us. We look forward to its continued role in inspiring and informing countless students about our department's remarkable achievements and legacy. Thank you for being a part of this exciting endeavor.

Ms. K Naga Durga Saile (Faculty Co-ordinator)

The Department of CSE AIML & IoT at VNRVJIET is a thriving center of innovation and learning. We take great pride in guiding our exceptional students through the ever-evolving world of Mezzanine Technologies. Committed to cutting-edge research, we continuously explore new horizons and possibilities.

Our students, who are the heartbeat of the department, consistently impress us with their enthusiasm and unwavering dedication. Together, we are shaping the future of technology and making meaningful contributions on a global scale.

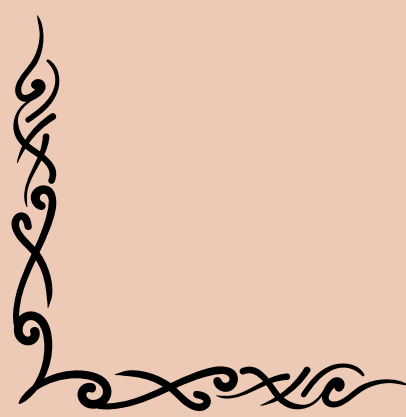
As faculty members, we are excited to be part of this transformative journey and eagerly anticipate achieving many more milestones in our department. The launch of the "Digital Dynamos" newsletter is a significant moment for us, and we look forward to its ongoing role in inspiring and informing countless students about our department's remarkable achievements and legacy.



FACULTY INSIGHTS



Professors	: 01
Associate Professors	: 02
Sr.Assistant Professors	: 02
Assistant Professors	: 37
Supporting Staff	: 04



DEPARTMENT HIGHLIGHTS



Dr. N. Sandhya, Professor & Head CSE-AIML & IoT, marked the auspicious occasion of Durga Puja by unveiling 'Digital Dynamos'.

Dr. N. Sandhya's visit to IIT Madras inspired everyone and sparked enthusiastic discussions about learning. Her ideas motivated us to pursue academic excellence, leaving a lasting impact on our academic community.



The VNR Vignana Jyothi Institute of Engineering and Technology (VNRVJIET) team visited Birla Institute of Technology and Science (BITS) Pilani Hyderabad campus for a collaborative event or engagement. Such visits often facilitate knowledge exchange, collaboration on research projects, academic partnerships, or participation in intercollegiate events. They can also serve as opportunities for networking, sharing best practices, and fostering relationships between institutions.



DEPARTMENT HIGHLIGHTS

SMART INDIA HACKATHON

Smart India Hackathon (SIH) is the world's largest open innovation model that aims to harness the creativity and technical expertise of students to solve real-world problems faced by various industries and government departments. With its unique format of problem-solving through technology, SIH has emerged as a catalyst for innovation, driving positive change and Transformation.

Grand Finale of “SMART INDIA HACKATHON (SIH-2023) Senior Edition” was conducted on 19-12-2023 and 20-12-2023, with 25 teams of participants all over India held at VNR VJIET, organized by the Department of CSE-AIML & IoT.



*VNRVJIET as Nodal Center for hosting Grand Finale Smart India Hackthon-2023,
December 19th-20th 2023 .*

DEPARTMENT HIGHLIGHTS

The Grand Finale of Smart India Hackathon 2023 marks a celebration of innovation, creativity, and collaborative problem-solving. As the Nodal Center, VNRVJIET is honored to play a pivotal role in providing a platform for aspiring innovators to showcase their talents and make a positive impact on society.



Mr. Yogesh Wadhavan, Nodal Center Head, Mr. Shiva Siripolu, Nodal Center Coordinator, representatives from AICTE, Experts from Ministry of Jal Shakthi, Design Mentors.

DEPARTMENT HIGHLIGHTS



The AIML & IoT department blossomed with joy as colleagues gathered in unity to celebrate Durga Pooja on 20/10/23, adorning the space with vibrant decorations and heartfelt prayers. It was a beautiful testament to our cultural heritage and the bonds of camaraderie that define our academic community.

DURGA POOJA

Sri Daggubati Suresh garu graced the Durga Puja celebration with his presence, adding a touch of grace and reverence to the auspicious occasion.



DEPARTMENT HIGHLIGHTS

Doctoral Mentoring

In a triumph of academic perseverance, Mrs. B. Srivani has successfully completed her Ph.D. under the esteemed guidance of Dr.N. Sandhya, epitomizing the dedication, intellect, and collaborative spirit that define our institution's commitment to scholarly excellence.



"Discovering New Things: Dr.N Sandhya with her Ph.D. Student 🌟🌟"

DEPARTMENT HIGHLIGHTS

FUNDS RAISED

People's Network generously sponsored ₹50,000 towards the celebration of the grand finale of Smart India Hackathon 2023, marking a significant contribution to fostering innovation and technological advancement.



Their support added vibrancy and momentum to the event, encouraging participants to showcase their creative solutions for pressing societal challenges.



FACULTY ACHIEVEMENTS



Dr.N.Sandhya, Professor and Head CSE-AIML&IoT, Dr. A. Kousar Nikath, Dr.A Harshavardhan, Dr.G.Nagaraju, Mr.K.Kishan Babu involved as a Reviewers for several International journals/conferences.



Dr. A. Kousar Nikath received a certificate of appreciation from Dell Technologies for her participation in the AI-thon event.



Dr.Nirmala Jyothi, Assistant Professor, Department of CSE -AIML& IoT got the TOP RANK with the consolidated score of 97% in the NPTEL Course “BIG DATA COMPUTING”.



Ms. K. Naga Durga Saile, Assistant Professor, Mr. B.Venkatesh, Assistant Professor, published a chapter titled “Ethical issues in Medical Data” in the book named “Artificial Intelligence and Machine Learning”.



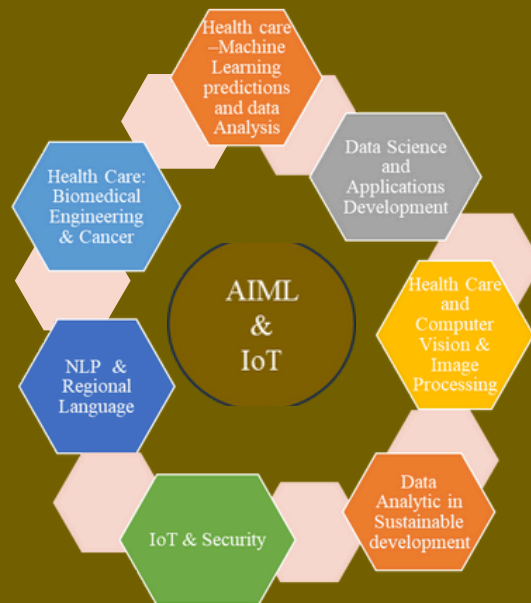
Dr.A Harshavardhan, Sr Assistant Professor has received certificate of appreciation for Support and Cooperation as a “Program Committee Member and Reviewer” in AITA organized by ICFAI Business School(IBS) – Bangalore during Aug 11-12 2023.



Dr.Nirmala Jyothi, Assistant Professor, Department of CSE AIML &IoT got the the Best reviewer award from Asian Journal of Research in Computer Science.

RESEARCH INTEREST GROUPS

An overview of our vibrant research ecosystem, where innovation boundaries are constantly pushed. Our group members of each team are at the forefront of innovations in AIML, IoT and various domains.



Our faculty members collaborated in various research groups, focusing on diverse areas of study, resulting in numerous publications in esteemed national and international journals. Additionally, they showcased their findings by presenting at conferences, further enhancing the dissemination of knowledge and contributing significantly to their respective fields. This prolific research output demonstrates the dedication and scholarly contributions of our faculty members to the academic community.

Health Care - Machine Learning Predictions & Data Analysis



Health Care Machine Learning Predictions & Data Analysis involves utilizing advanced machine learning algorithms and data analysis techniques to derive insights and make predictions in the healthcare domain. This field harnesses the power of data to improve patient outcomes, optimize resource allocation, and enhance operational efficiency within healthcare systems.

S.No	Name of the Faculty	Designation	Position
1	Dr. Durga Prasad Kavadi	Sr. Assistant Professor	Team Lead
2	Dr. N. Sandhya	Professor	Member
3	Ms.Y.Prasanthi	Assistant Professor	Member
4	Ms.K.Prathyusha	Assistant Professor	Member
5	Mr..Venkatesh	Assistant Professor	Member
6	Mr. V. Kishore	Assistant Professor	Member
7	Ms.M.Gnana Vardhan	Assistant Professor	Member
8	Dr.N.NirmalaJyothi	Assistant Professor	Team Lead
9	Mr.Ch.vijay kumar	Assistant Professor	Member
10	Ms.K.Archana	Assistant Professor	Member

Data Science & Applications Development



Data Science & Applications Development combines data analysis with software development to create practical solutions. It involves extracting insights from data and building user-friendly applications to address specific needs or solve problems in various domains.

S.No	Name of the Faculty	Designation	Position
1	Dr. Sagar Yeruva	Associate Professor	Team Lead
2	Ms.Palabindela Swetha	Assistant Professor	Member
3	Ms.Haritha Nandibhatla	Assistant Professor	Member
4	Mr.E.Gurumohan Rao	Assistant Professor	Member
5	Ms.Chilukuri Divya	Assistant Professor	Member

Health Care Computer Vision and Image Processing



Health Care & Computer Vision, Image Processing involves usage of advanced technologies to analyze medical images like X-rays, MRIs, and CT scans. By applying computer algorithms, healthcare professionals can detect diseases earlier, plan surgeries more accurately, and provide better patient care. This combination of healthcare and technology helps save lives and improve outcomes for patients.

S.No	Name of the Faculty	Designation	Position
1	Dr. A. Harshavardhan	Sr. Assistant Professor	Team Lead
2	Mr. K. Kishan Babu	Assistant Professor	Member
3	Ms.Jyotsnarani Tripathy	Assistant Professor	Member
4	Mr.K. Sreenivasa Rao	Assistant Professor	Member
5	Mr.Shaik Mabasha	Assistant Professor	Member
6	Ms.Naga Durga Saile.K	Assistant Professor	Member
7	Ms.R.Jyothsna	Assistant Professor	Member

IoT & Security



IoT (Internet of Things) & Security focuses on safeguarding connected devices and networks in the increasingly interconnected world of IoT. It involves implementing measures to protect data, devices, and systems from cyber threats, ensuring privacy and integrity in the exchange of information. This field plays a critical role in ensuring the safe and reliable operation of IoT devices across various industries, from smart homes to industrial automation.

S.No	Name of the Faculty	Designation	Position
1	Mr. M. AjayDilipKumar	Assistant Professor	Team Lead
2	Mrs. J. Pushpa Kumari	Assistant Professor	Member
3	Ms.. Sure Mamatha	Assistant Professor	Member
4	Ms.Vadlamudi Hemadevi	Assistant Professor	Member

NLP & Regional Language Computing

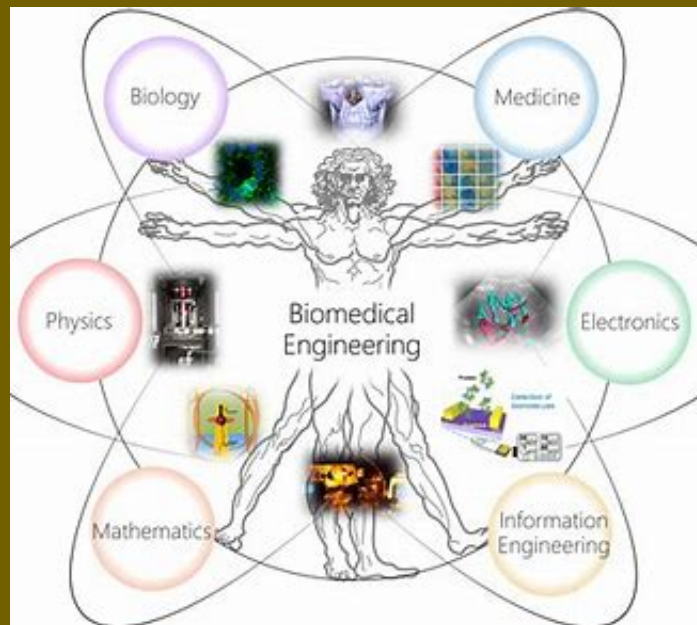


NLP (Natural Language Processing) & Regional Language Computing focuses on understanding and processing human languages, particularly those that are not widely spoken or used globally. This field involves developing algorithms and technologies that enable computers to analyze, generate, and interact with regional languages effectively. By bridging the gap between technology and diverse linguistic communities, NLP in regional language computing facilitates communication, access to information, and the development of applications tailored to specific cultural contexts, thereby promoting inclusivity and linguistic diversity in the digital age.

S.No	Name of the Faculty	Designation	Position
1	Dr. A. Kousar Nikhath	Associate Professor	Team Lead
2	Dr. Gujjeti Nagaraju	Assistant Professor	Member
3	Ms.K.Akhila Tejaswini	Assistant Professor	Member
4	Ms.N.Anjali	Assistant Professor	Member
5	Ms.M.Swapna Kumari	Assistant Professor	Member

HealthCare :

BioMedical Engineering and Cancer



Biomedical Engineering and Cancer involves the application of engineering principles to design and develop solutions for diagnosing, treating, and understanding cancer. This interdisciplinary field encompasses various areas such as medical imaging, biomaterials, tissue engineering, and medical devices tailored specifically for cancer detection and treatment. By integrating engineering expertise with medical knowledge, researchers and practitioners aim to advance cancer diagnosis accuracy, develop targeted therapies, and improve patient outcomes, ultimately contributing to the fight against cancer.

S.No	Name of the Faculty	Designation	Position
1	Mr.Bhupesh Deka	Assistant Professor	Member
2	Ms.J. Nikitha	Assistant Professor	Member
3	Ms.V. Sahiti Yellanki	Assistant Professor	Member
4	Ms. Sayeeda	Assistant Professor	Member



PUBLICATIONS 2023-2024



S.No	Paper Title	Name of the Faculty	Journal/Conference/Book Chapter	Publisher	Indexing (Scopus/WoS/SCI/UGC/Other)	National/International
1	Hybrid deep WaveNet-LSTM architecture for crop yield prediction	Dr. N. Sandhya	Journal	Springer US	SCI	International
2	An incremental clustering using bat-spotted hyena optimiser with spark framework	Dr. N. Sandhya	Journal	Inder science	Scopus	International
3	Conditional random field-recurrent neural network segmentation with optimized deep learning for brain tumour classification using magnetic resonance imaging	Dr. N. Sandhya	Journal	Taylor & Francis	SCI	International
4	Theoretical Analysis and Comparative Study of Top 10 Optimization Algorithms with DMS Algorithm	Dr. N. Sandhya	Journal	IOS Press	WoS	International
5	Study on Deep Learning Techniques for Finding Suspicious Violence Detection in a Video Surveillance	Dr. N. Sandhya	Journal	--	Scopus	International
6	Fog-Sec: Secure end-to-end communication in fog-enabled IoT network using permissioned blockchain system	Dr. A. Kousar Nikhath	Journal	Weily	SCI	International
7	Tilapia Fish Freshness Detection Using CNN Models	Dr. A. Kousar Nikhath	Conference/Book Chapter	Springer	Scopus	International
8	Detection of Suspicious Human Activities from Surveillance Camera using neural networks	Dr. A. Kousar Nikhath	Conference/Book Chapter	Springer	Scopus	International
7	Word Sense Disambiguation for Telugu based on Telugu WordNet	Dr. G. Nagaraju	Journal	Indian Institute of Industrial Engineering	UGC	International
8	Comparative Analysis of Transition dependency parser and Graph dependency parser Techniques on Telugu Treebank	Dr. G. Nagaraju	Journal	IJARESM	-	International
9	Effect of Stemming on Hindi Text Classification	Preety Singh	Journal	--	WOS	International
10	Contact Tracing for Covid-19 Using Density-Based Spatial Clustering Of Applications with Noise	Preety Singh	Journal	--	UGC	International



11	Heart Disease Prediction using Deep Learning Techniques	K.Sreenivasa Rao	Journal	IJIEMR	Scopus	International
12	“Masked Face Sentiment Analysis: A Novel Framework.”	Naga Durga Saile.K	Journal	--	UGC	International
13	“Deep learning modified neural networks with chicken swar optimization-based lungs disease detection and severity classification”	Dr. A. Harshavardhan	Journal	--	SCI	International
14	Deep Generative Adversarial Networks with Marine Predators Algorithm for Classification of Alzheimer’s Disease Using Electroencephalogram (Pre - Proof-Print)	Dr. A. Harshavardhan	Journal	--	SCI	International
15	Exploring Machine Learning Techniques for IoT Applications in Smart Healthcare Systems	Jyotsnarani Tripathy	Journal	--	UGC	International
16	A Novel Credit Scoring System in financial institutions using Artificial Intelligence Techniques	Jyotsnarani Tripathy	Journal	Frontier Scientific Publishing	Scopus	International
17	A novel machine learning based hybrid approach for breast cancer relapse prediction	Jyotsnarani Tripathy	Journal	Frontier Scientific Publishing	Scopus	International
18	PMP-SVM: A Hybrid Approach for effective Cancer Diagnosis using Feature Selection and Optimization	Jyotsnarani Tripathy	Journal	Auricle Global Society of Education and Research	Scopus	International
19	Utilising Machine Learning Techniques For Waste Management	Jyotsnarani Tripathy	Journal	--	UGC	National
20	Reinforcement learning for optimizing real-time interventions and personalized feedback using wearable sensors	Jyotsnarani Tripathy	Journal	Elsevier	Scopus	International



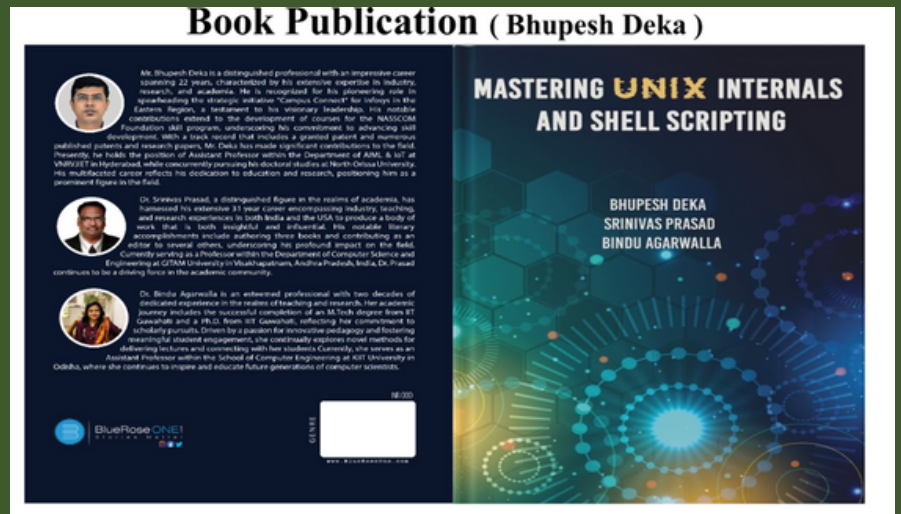
21	Evaluating the Efficacy of Resampling Techniques in Addressing Class Imbalance for Network Intrusion Detection Systems Using Support Vector Machines	Dr.N.Nirmalajyothi	Journal	International Information and Engineering Technology Association	Scopus	International
22	Cloud computing enabled business model innovation	Dr.N.Nirmalajyothi	Journal	The Journal of High Technology Management Research	Scopus	International
23	Ameliorating the Heart Disease prediction using Machine Learning Technique for Optimal Solution	Dr.N.Nirmalajyothi	Journal	Onlinejournals.org	Scopus, Web of Science	International
24	A Colour Guide for Colour Blind People Using Image Processing and OpenCV	Ms K Archana	Journal	--	Scopus, Web of Science	International
25	Ameliorating the Heart Disease Prediction using Machine Learning Technique for Optimal Solution		Journal	Onlinejournals.org	Scopus, Web of Science	International
26	Machine Learning-Based Gesture Recognition for Communication with the Deaf and Dumb	Y.Prasanthi	Journal	International Academic Publishing House	Scopus	International
27	Breast Cancer Classification and Predicting Class Labels Using ResNet50	Dr. G. Nagaraju	Journal	Journal of Electrical Systems	Scopus and Web of Science	International
28	The reptile optimized deep learning model for land cover classification of the Uppal earth region in Telangana state using satellite image fusion	T.Aruna Sri	Journal	IOS press	SCI	International
29	Refining Workflow Modelling: Employing a Hybrid Approach to Boost Efficiency	R Jyothsna	Journal	Telematique	Web of Science	International

TEXT BOOKS PUBLISHED



Mr. Bhupesh Deka, Assistant Professor published a book titled: "Mastering UNIX Internals and Shell Scripting".

The book "Mastering UNIX Internals and Shell Scripting" is an invaluable resource for students of Computer Science Engineering (CSE), Information Technology (IT), and MCA, aiming to gain a comprehensive understanding of UNIX operating systems and shell scripting.



Book Publication (Bhupesh Deka)



Mr. Bhupesh Deka is a distinguished professional with an impressive career spanning 22 years, characterized by his extensive expertise in industry, research, and academia. He is recognized for his pioneering role in spearheading the strategic initiative "Campus Connect" for colleges in the Eastern Region, a testament to his visionary leadership. His notable contributions extend to the development of courses for the NASSCOM Foundation skill program, underscoring his commitment to advancing skills development. With a track record that includes a granted patent and numerous published papers and research papers, Mr. Deka has made significant contributions to the field. Presently, he holds the position of Assistant Professor within the Department of AME, & IOT at VITVIT in Hyderabad, while concurrently pursuing his doctorate studies at North Orissa University. His multifaceted career reflects his dedication to education and research, positioning him as a prominent figure in the field.



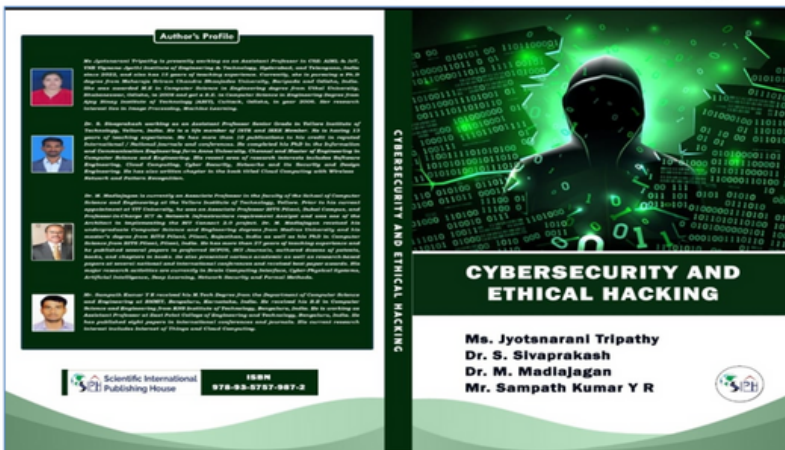
Dr. Srinivas Prasad, a distinguished figure in the realms of academia, has garnered his extensive 31-year career encompassing industry, teaching, and research experiences in both India and the USA to produce a body of work that is both impactful and influential. His notable literary accomplishments include authoring three books and contributing as an editor to several others, underscoring his profound impact on the field. Currently serving as a Professor within the Department of Computer Science and Engineering at GITAM University in Visakhapatnam, Andhra Pradesh, India, Dr. Prasad continues to be a driving force in the academic community.



Dr. Bindu Agarwalla is an esteemed professional with two decades of seasoned experience in the realms of teaching and research. Her academic journey includes the successful completion of an M.Tech degree from IIT Guwahati and a Ph.D. from IIT Kanpur, reflecting her commitment to scholarly pursuits. Driven by a passion for innovative pedagogy and fostering meaningful student engagement, she continually explores novel methods for delivering lectures and connecting with her students. Currently, she serves as an Assistant Professor within the School of Computer Engineering at KIT University in Odisha, where she continues to inspire and educate future generations of computer scientists.



Book Publication (Ms Jyotsnarani Tripathy)



Author's Profile



Ms. Jyotsnarani Tripathy is currently working as an Assistant Professor in IITB, India. She has a Ph.D. in Computer Science from the Indian Institute of Technology, Bombay. She has been a member of the National Council of Educational Research and Training (NCERT) and has been a member of the National Council of Educational Research and Training (NCERT) and has been a member of the National Council of Educational Research and Training (NCERT).



Dr. S. Sivaprakash is currently working as an Assistant Professor in IITB, India. He has a Ph.D. in Computer Science from the Indian Institute of Technology, Bombay. He has been a member of the National Council of Educational Research and Training (NCERT) and has been a member of the National Council of Educational Research and Training (NCERT).



Dr. M. Madhajan is currently working as an Assistant Professor in IITB, India. He has a Ph.D. in Computer Science from the Indian Institute of Technology, Bombay. He has been a member of the National Council of Educational Research and Training (NCERT) and has been a member of the National Council of Educational Research and Training (NCERT).



Mr. Sampath Kumar Y R is currently working as an Assistant Professor in IITB, India. He has a Ph.D. in Computer Science from the Indian Institute of Technology, Bombay. He has been a member of the National Council of Educational Research and Training (NCERT) and has been a member of the National Council of Educational Research and Training (NCERT).

Scientific International Publishing House ISBN 978-82-9787-987-2

Ms. Jyotsna Tripathy, Assistant professor has recently published a comprehensive book on cybersecurity and ethical hacking, delving into the intricate landscape of digital security and the principles of ethical hacking.



PATENTS

Sl No	Name Of Inventor	Title of Invention	Patent File Number	Date Of Filing	Status
1	Dr. Sitanath Biswas Dr. N.Sandhya Dr. A. Kousar Nikhath Dr. Gujjeti Nagraju Mr. B.Venkatesh Ms Preety Singh	Ocr and deep learning-based plagiarism detection device for telugu language	202341024498A	14/04/2023	Published
2	Dr.N.Sandhya Dr. M. Raja Sekar Dr. Ashish Kumar Chakraverti(Hod) Vivek Kumar P. Ila Chandana Kumari Prof. Dr. Yashpal Singh	Computer cache memory performance enhance using neural networks and machine learning	202041001789	17/01/2020	Published
3	Dr. Deepak Sukheja Dr. G. Ramesh Chandra Dr. N. Sandhya, Dr. B. V. Kiranmayee, D. Ramesh Reddy	Sheltered driving system for automotive vehicles for streamlined operation on roads with adherence to extant rules and regulations	202041045360	13/11/2020	Published
4	Dr. K. Sudha Rani Dr. R. Manjula Sri Dr. T. Nireekshana Dr Shuchi Tiwari K. Mani Kumari, Dr. N. Sandhya, Dr. N. Managathayaru K. Vijay Chandra, Naregalkar Akshay Dr. A. Giriprasad	Motorized ankle foot driven customized prosthetic leg with exoskeleton	202141016519	04/08/2021	Published

5	Dr. M. Raja Sekar Dr.N.Sandhya, Dr. P. Neelakantan Dr. P. V. Siva Kumar, Dr. G. Suresh Reddy, Dr. P. Subash Mr.M. Gangappa	Tpm- crowd funding: trusted crowd funding platform using a smart contract and ai- based management system	202141052903	17/11/2021	Published
6	Dr.Y.Sagar Dr. Krishna Prasad Dr. T. Sunil Kumar Dr. Deepak Sukheja Mr. P. Venkateswara Rao Dr. Brahmananda Reddy A Dr. Kousar Nikhath.A Dr. D. N. Vasundhara Mr. G. S. Ramesh Mrs. V. Baby Mr. Ankit Raj Gaddam	Design & development of a smart system to analyze the impact of covid-19 on respiratory system using machine learning	202141017531 A	23/04/2021	Published
7	S.Kranthi Kumar Dr. B.V. Kiranmayee Dr. S.Nagini Dr. Chalumuru Suresh V.Baby K. Jhansi Lakshmi Bai Sravani Nalluri Dr.A.Kousar Nikhath P.Radhika Motupalli Ravikanth Venkata Naga Raju Thatha	Critical patients monitoring device: Critical patientsâ€™m monitoring using machine learning feature selection technique	202041023578 A	12/06/2020	Published
8	V. Baby Dr. S. Nagini K. Jhansi Lakshmi Bai Dr. Sagar Yeruva G. Yashwanth B. Janaki Ram A. Rikhila Dr. D. N. Vasundhara N.V. Sailaja A. Madhavi	Virtual mom- responsive baby monitoring toy	202141020965 A	11/06/2021	Published

9	<p>Dr. Deepak Sukheja Dr. Umesh Kumar Singh Dr. T. Sunil Kumar Dr. P. V. Siva kumar Dr. Sagar Yeruva Mrs.Priya Bhatnagar Mr. N. Sandeep Chaitanya Dr. Santosh Kumar Choudhary Dr. Prateek Sharma Dr. Lokesh Kumar Laddhani Dr. Bhupendra Kumar Pandya</p>	<p>Gps and encryption based multi-check authentication processfor preventing fraud transaction</p>	202141044509 A	08/10/2021	Published
10	<p>Ms. Shubhashree Sahoo Dr. Sitanath Biswas Dr. N. Sandhya Mr. B.Venkatesh Reddy Ms. Sayeedakhanum Pathan Mr.Sahith Battula</p>	<p>AI based device to prevent early cervical spondylosis among computer users</p>	202341018801 A	31/03/2023	Applied for Examination
11	<p>Dr. Sitanath Biswas Mr. Bhupesh Deka Dr Sandhya Nadella Dr. G. Nagaraju Mr. B. Venkatesh</p>	<p>AI and NLP tool for automatic generation of multi lingual minutes of the meeting</p>	202341007218	21.12.22	Applied for Examination
12	<p>Vargis, Binu Kuriakose, Upreti, Kamal Manarcad, Philson Garg, Vivek Harshavardhan Paul, Basil, Agrawal Chaitanya P Arora, Sangeeta</p>	<p>A honeypot based network security system</p>	2021103735	6.30.2021	Granted

13	Ms. Pushpa B Dr.C.Pabitha Khiumajuliu Abonmai Dr.A.Harshavardhan Dr. T.K. Balaji Dr.Soundararajan.S	“Lung Cancer Detection”	391256-001	26/07/2023	Granted
14	Dr. C.Pabitha Dr. P. Narmatha Dr. Moorthy.C Dr.A.Harshavardhan Dr.D.Christy Sujatha	Iot-integrated smart glasses frame	398818-001	30/10/2023	Granted
15	Dr. G. Senthilkumar Dr. Premendra J.Bansod Dr.A.Harshavardhan Dr. G. Nagaraju Dr. K.Venkatraman	Cloud data center cooling system	398905-001	01/11/23	Granted
16	Dr. Y. Sagar	Real-time health and environment monitoring system for underground coal mining worker	202341053453	--	--
17	Ms.Jyotsnarani Tripathy Dr. Thilakavaty.P Dr. Vinay Kumar Nassa Mr. Pandarinathan	Artificial intelligence based network intrusion detection	404639-001	15/1/24	Granted
18	Mrs. K. Naga Durga Saile	Smart device for mental health assessment	6337690	17/01/24	Granted



2020-2024 Batch

S.No	Name	Roll Number	Stipend	year
1	Athina Bhavana	20071A6604	70000	2023
2	Sai Moulika Bedadhala	20071A6605	50000	2024
3	Chimma Akhil	20071A6609	50000	2024
4	Thanvitha D	20071A6611	70000	2023
5	Ekki Mayuri	20071A6612	--	2023
6	Hemanth Varma	20071A6613	30000	2023
7	Satwik K	20071A6618	70000	2023
8	Kandi Akash Reddy	20071A6622	--	2023
9	Kashetty Pranith	20071A6624	--	2023
10	M Krishna Priya	20071A6630	125000	2023
11	Ahmed Hussain	20071A6632	50000	2024
12	Pranav Paruchuri	20071A6638	--	2023
13	Mukesh Pothala	20071A6642	20000	2024
14	Haripriya S	20071A6647	70000	2023
15	S Pranuthi	20071A6648	--	2023
16	Talluri Anthyush	20071A6655	30000	2023
17	Tatikonda Venkat Manish	20071A6656	25000	2023



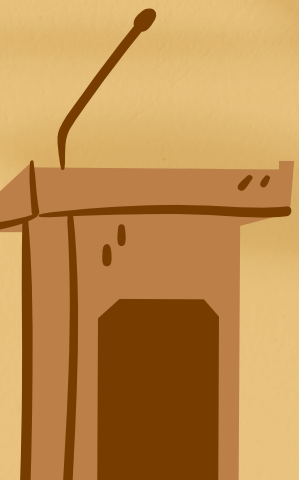
2021-2025 Batch

S.No	Name	Roll Number	Stipend	year
1	Ms. Manasa Kanda	21075A6601	30000	2023
2	Sai Anuhya	21071A6605	--	2023
3	Varshith Bollam	21071A6610	10000	2023
4	Bommireddipalli Likhitha	21071A6612	--	2023
5	Nikhita Kashyap	21071A6618	--	2023
6	Donthireddy Ganesh Reddy	21071A6619	--	2023
7	Kolli Prasanna Adarsh	21071A6630	--	2023
8	Likitha Mucharla	21071A6639	--	2023
9	Kondepudi Pragna	21071A6631	--	2023
10	P Sri Sai Lasya	21071A6645	10000	2023
11	Sai Aditya Reddy T	21071A6660	--	2023
12	A. Siddeshwari	21071A6666	--	2023
13	A Harshini Reddy	21071A6667	35000	2023
14	Akshitha Reddy	21071A6684	13540	2023
15	Gouri chandana gaje	21071A6685	125000	2024
16	Akshith Chandra	21071A66C4	13540	2023
17	A Pragna	21071A66D1	35000	2023
18	Satwik Balla	21071A66D2	18944	2023
19	C Tejaswi Reddy	21071A66D8	35000	2023
20	Jayamangala Srujana	21071A66E5	--	2024
21	Lakshmi Narayana Kunthuri	21071A66F2	16900	2023
22	Akhil Samsun Mande	21071A66F9	--	2023
23	Srija Miyyapuram	21071A66G0	--	2024
24	Joshini Ravuri	21071A66H4	--	2024
25	T Pranay	21071A66J5	--	2024
26	V V S Laxman	21071A66K0	--	2024
27	Y Venkata Sai Bhargav	21071A66K2	8000	2023
28	Y. Sunitha	21071A66K3	--	2023



2022-2026 Batch

S.No	Name	Roll Number	Stipend	Year
1	Neha Ramneti	22075A6605	--	2024
2	Suryadevara Yagna Valkini	22075A6607	--	2024
3	Harshitha Chitneni	22075A6616	--	2024



INTERNSHIPS-IoT



2020-2024 Batch

S.No	Name	Roll Number	Stipend	year
1	G Aishwarya	20071A6901	70000	2023
2	AKA SANVITHA	20071A6902	--	2023
3	A Gagan Datta	20071A6904	--	2023
4	Ashika Reddy	20071A6906	--	2023
5	BONEPALLY SUSHMITHA	20071A6910	--	2023
6	D Sreeniketh	20071A6915	70000	2023
7	DUPPALLI VISHNU SIDDARTHA REDDY	20071A6916	--	2023
8	Spandana J	20071A6921	100000	2023
9	K Srichandana	20071A6923	5000	2023
10	Kappaganti Sri Vibhava Keshav	20071A6924	--	2024
11	Kurella Rohan	20071A6932	70000	2023
12	DHANUSH LOKAM	20071A6933	--	2023
13	M S S S Karthikeya	20071A6935	--	2022
14	M Kavya	20071A6939	70000	2023
15	Eesha Reddy R	20071A6948	25000	2023
16	Ramavarapu Sai Rohith Bharadwaj	20071A6949	--	2023
17	SARADHI DHARANI	20071A6950	--	2023
18	Tumpudi Sri Sahithi	20071A6955	70000	2023
19	VINEETH GOURIPEDDI	20071A6958	--	2023
20	Y Sathwik	20071A6959	70000	2023
21	Manish Yerram	20071A6960	10500	2023



2021-2025 Batch

S.No	Name	Roll Number	Stipend	year
1	Epuru Lakshmi Suhrutha Reddy	21071A6915	15100	2023
2	Gaddam Meghana Reddy	21071A6917	125000	2024
3	Bhavana Kakarla	21071A6926	--	2023
4	Kampalli Rohith Naidu	21071A6929	15000	2024
5	Vennela Reddy	21071A6937	--	2024
6	Shivani Reddy Nomula	21071A6942	15000	2024
7	Rachita Reddy Rachamalla	21071A6949	--	2023
8	Nainika Rachamalla	21071A6951	--	2024
9	Sameer Patwari	21071A6953	--	2023
10	S RAMA SATYA SAI GAYATHRI	21071A6956	--	2023
11	Lakshmi Varshini Yemmireddy	21071A6964	--	2023

INTERNSHIPS-IoT



2022-2026 Batch

S.No	Name	Roll Number	Stipend	year
1	KNADUKURI AJAY REDDY	22075A6902	--	2023
2	NAYEKOTI PRASANNA	22075A6906	--	2023





PLACEMENTS



FIRST PLACEMENT



Congratulations Mr V.Madhu CSE-IoT for getting placed in Darwinbox. The first placement of the department. This achievement marks a significant milestone for the department, as it signifies our very first successful placement. Mr. Madhu's achievement showcases the high caliber of talent and education within our department, and we take immense pride in his success. We look forward to witnessing more of our students reach remarkable milestones in their careers and set new standards of excellence.

HIGHEST PACKAGE



M. Krishna Priya secured the top placement spot in AIML, while J. Spandana emerged as the first placement position in IoT during the placement drive. Their remarkable success highlights their expertise and proficiency in these pivotal areas of technology.



PLACEMENTS



VALLURUPALLI NAGESHWARA RAO
VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of CSE- Artificial Intelligence & Machine Learning And Internet of Things

Congratulations

FOR GETTING PLACED IN

JPMORGAN CHASE & CO.

With CTC

19.75 LPA

 Ms. A. Bhavana Roll No : 2007IA6604	 Ms. D. Tharwitha Roll No : 2007IA6601	 Mr. Sathwik Roll No : 2007IA6608
 Ms. S. Haripriya Roll No : 2007IA6647	 Ms. Sona Roll No : 2007IA6650	 Mr. G. Saiteja Roll No : 2007IA6957

VALLURUPALLI NAGESHWARA RAO
VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of CSE- Artificial Intelligence & Machine Learning And Internet of Things

Congratulations

FOR GETTING PLACED IN

JPMORGAN CHASE & CO.

With CTC

19.75 LPA

 Ms. G. Aishwarya Roll No : 2007IA6901	 Mr. D. Sreeniketh Roll No : 2007IA6915	 Mr. K. Rohan Roll No : 2007IA6932
 Ms. M. Kavya Roll No : 2007IA6959	 Ms. T. Sathithi Roll No : 2007IA6955	 Mr. Y. Sathwik Roll No : 2007IA6959

VALLURUPALLI NAGESHWARA RAO
VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of CSE- Artificial Intelligence & Machine Learning And Internet of Things

CONGRATULATIONS

FOR GETTING PLACED AT

ORACLE

With CTC

19.2 LPA


Mr. M. Harikesh
CSE- AIML
2007IA6629

VALLURUPALLI NAGESHWARA RAO
VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of CSE- Artificial Intelligence & Machine Learning And Internet of Things

CONGRATULATIONS

FOR GETTING PLACED IN

CHUBB®

Internship with Rs. 30,000/- PM & PPO With

11.5 LPA

 Mr. G. Hemant Varma CSE- AIML 2007IA6605	 Mr. M. Harikesh CSE- AIML 2007IA6629
 Mr. T. Anthyush CSE- AIML 2007IA6605	 Ms. K. Manasa CSE- AIML 2007IA6605

VALLURUPALLI NAGESHWARA RAO
VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of CSE- Artificial Intelligence & Machine Learning And Internet of Things

CONGRATULATIONS

FOR GETTING PLACED IN

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Internship with Rs. 30,000/- PM & PPO With

11.5 LPA

 Ms. K. Sai Deepthi Branch : CSE- Internet of Things Roll No : 2007IA6927	 Mr. Sufian Shaik Branch : CSE- Internet of Things Roll No : 2007IA6954
---	---

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VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of CSE- Artificial Intelligence & Machine Learning And Internet of Things

CONGRATULATIONS

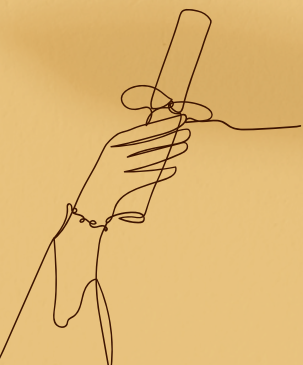
FOR GETTING PLACED IN

Deloitte.

With CTC

7.6 LPA

 Ms. C. Valshnavi CSE- AIML 2007IA6608	 Ms. N. Rishika CSE- AIML 2007IA6655
 Mr. P. Sudheep CSE- AIML 2007IA6608	 Ms. S. Gayathri CSE- AIML 2007IA6655





PLACEMENTS-AIML

S.NO	STUDENT NAME	PACKAGE	OFFER-1
1	ATHINA BHAVANA	19.75LPA	JPMC
2	DATLA THANVITHA	19.75LPA	JPMC
3	GADEELA SAITEJA	19.75LPA	JPMC
4	K SATWIK	19.75LPA	JPMC
5	S HARIPRIYA	19.75LPA	JPMC
6	SHAIK SANA SIDDIQA	19.75LPA	JPMC
7	G HEMANTH VARMA	11.5LPA	CHUBB
8	MANCHALA HARIKESH	11.5LPA	CHUBB
9	TALLURI ANTHYUSH	11.5LPA	CHUBB
10	KANDA MANASA	11.5LPA	CHUBB
11	C VAISHNAVI	7.6LPA	DELOITTE
12	N RISHIKA	7.6LPA	DELOITTE
13	P SUDHEEP	7.6LPA	DELOITTE
14	BAGARI BALAJI ESHWAR	4.5LPA	ACCENTURE
15	M KRISHNA PRIYA	51 LPA	MICROSOFT
16	PUSHKARA ANNALDAS	4.5LPA	ACCENTURE
17	BEDADHALA SAI MOULIKA	4.5LPA	ACCENTURE
18	KANDI AKASH REDDY	4.5 LPA	ACCENTURE
19	DANUSH KANTHALA	4.5LP	ACCENTURE
20	KATKURI RAJENDER	4.5LPA	ACCENTURE



PLACEMENTS-AIML

S.NO	STUDENT NAME	PACKAGE	OFFER-1
21	MUSKU SAI RITISH REDDY	4.5LPA	ACCENTURE
22	SANATH MUTHOJU	4.5LPA	ACCENTURE
23	PARTHAV NUTHALAPATI	4.5LPA	ACCENTURE
24	UDAY KIRAN PILLALAMARRI	4.5LPA	ACCENTURE
25	PULARI SAI VENKAT	4.5LPA	ACCENTURE
26	SB MAHAMMAD ALTHAF	4.5LPA	ACCENTURE
27	SINDHU KAKUMANI	4.5LPA	ACCENTURE
28	SNEHA BANALA	4.5LPA	ACCENTURE
29	TATIKONDA VENKAT MANISH	4.5LPA	ACCENTURE
30	BHAVANAM SANTHOSH REDDY	8 LPA	INDIUM
31	KARRI SAI KIRAN REDDY	8 LPA	INDIUM
32	KATTA SAI TEJA	8 LPA	INDIUM
33	KOMMIREDDY SAI KIRAN REDDY	8 LPA	INDIUM
34	MADDULA VENKATA SAI MANOJ REDDY	8 LPA	INDIUM
35	MAMIDISETTY SAI TEJA REDDY	8 LPA	INDIUM
36	MANDA SAI KRISHNA REDDY	8 LPA	INDIUM
37	MANTHENA VENKATA SAI KRISHNA REDDY	8 LPA	INDIUM
38	MUDISETTY SAI KIRAN REDDY	8 LPA	INDIUM
39	NALLABOTHULA SAI TEJA REDDY	8 LPA	INDIUM
40	PAMIDISETTY SAI KIRAN REDDY	8 LPA	INDIUM
41	PULIVARTHI SAI KIRAN REDDY	8 LPA	INDIUM
42	RAYAPUREDDY SAI KIRAN	8LPA	INDIUM



PLACEMENTS-IoT

S.NO	STUDENT NAME	BRANCH	PACKAGE	OFFER-1
1	SEMBADI MADHU	IoT	16 LPA	DARWINBOX
2	AISHWARYA GRANDHI	IoT	19.75LPA	JPMC
3	DEVARINTI SREENIKETH REDDY	IoT	19.75LPA	JPMC
4	KURELLA ROHAN N	IoT	19.75LPA	JPMC
5	MIRIYALA KAVYA NAGA DURGA LAKSHMI	IoT	19.75LPA	JPMC
6	TUMPUDI SRI SAHITHI	IoT	19.75LPA	JPMC
7	YAMSANI SATHWIK	IoT	19.75LPA	JPMC
8	JILLA SPANDANA	IoT	32.5LPA	FLIPKART
9	KATTA SAI DEEPTHI	IoT	11.5LPA	CHUBB
10	SUFIAN SHAIK	IoT	11.5LPA	CHUBB
11	A JHANSI RANI	IoT	7.6LPA	RSM INDIA
12	AMRUTHALURI GAGAN DATTA	IoT	4.5LPA	ACCENTURE
13	ANURAAG THALATOTY	IoT	4.5LPA	ACCENTURE
14	BAGARI BALAJI ESHWAR	IoT	4.5LPA	ACCENTURE
15	ANKITHA BOLLU	IoT	4.5LPA	ACCENTURE
16	GANDLA SAITEJA	IoT	4.5LPA	ACCENTURE
17	GUTTA SRAVYA	IoT	4.5LPA	ACCENTURE
18	KAMTAM SRICHANDANA	IoT	4.5LPA	ACCENTURE



PLACEMENTS-IoT



19	VAMSHI KEETHA	IoT	4.5LPA	ACCENTURE
20	DHANUSH LOKAM	IoT	4.5LPA	ACCENTURE
21	MANDALA SRI CHETAN	IoT	4.5LPA	ACCENTURE
22	MUDIAM PREM SAINATH REDDY	IoT	4.5LPA	ACCENTURE
23	MURAKONDA SAI DEEPA SREE	IoT	4.5LPA	ACCENTURE
24	SATHWIK GOUD PALUSA	IoT	4.5LPA	ACCENTURE
25	PONNANA ROHITH KUMAR VASISTA	IoT	4.5LPA	ACCENTURE
26	VINEETH GOURIPEDDI	IoT	4.5LPA	ACCENTURE
27	GARALAPATI SHRAVAN TEJA	IoT	4.5LPA	ACCENTURE
28	KATUKAM DEEKSHA	IoT	6 LPA	STELLANTIS
29	VADDEPALLY SRIVATHSAVA	IoT	6LPA	STELLANTIS
30	KAPPAGANTI SRI VIBHAVA KESHAV	IoT	4.25LPA	UST
31	KORADA UDAY KIRAN	IoT	4.25LPA	UST
32	SAI ROHITH BHARADWAJ RAMAVARAPU	IoT	4.25LPA	UST
33	SHAIK ASEERUDDIN	IoT	4.25LPA	UST
34	AKA SANVITHA	IoT	5.5 LPA	GLOBAL LOGIC
35	BONEPALLY.SUSHMITHA	IoT	5.5 LPA	GLOBAL LOGIC
36	DUPPALLI VISHNU SIDDARTHA REDDY	IoT	5.5 LPA	GLOBAL LOGIC
37	SARADHI DHARANI	IoT	5.5 LPA	GLOBAL LOGIC

EVENTS

KRITHOATHON

The AIML & IoT department in collaboration with CHEM IT successfully organized a Hackathon on 17th and 18th November 2023. The event aimed to provide a platform for participants to innovate, collaborate, and showcase their problem-solving skills within a competitive yet supportive environment.



The poster features a dark blue background with a network of white lines and nodes. At the top left is the VNR VJET logo, and at the top right is the Krithoathon logo. The main title 'KRITHOATHON' is in large, bold, white letters with a blue outline. Below it, the subtitle 'CRAFTING TOMORROW'S WORLD' is in blue. A central white box contains the date and time: 'Date & Time: November 17th 2023, 10:00 AM to 8:00 PM, November 18th 2023, 8:00 AM to 8:00 PM' and the venue: 'Venue: Patron's Bhavan'. A blue starburst on the left says 'WIN PRIZEPOOL OF ₹6,000/- AND WIN EXCITING PRIZES'. A QR code on the right is labeled 'SCAN TO REGISTER'. A white box at the bottom right says 'REGISTRATION FEE: ₹99/- PER TEAM'. A white box at the bottom center says 'TEAM SIZE: 3-4'. A white box at the bottom left says 'SPONSORED BY: CHEM IT One stop solution for all laptop services'. The bottom of the poster lists the convenor, faculty coordinator, sponsors, and student coordinators.

**VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI
INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Department of CSE-AIML & IoT presents

KRITHOATHON

CRAFTING TOMORROW'S WORLD

**WIN PRIZEPOOL OF
₹6,000/-
AND WIN
EXCITING PRIZES**

Date & Time:
November 17th 2023, 10:00 AM to 8:00 PM
November 18th 2023, 8:00 AM to 8:00 PM

Venue: Patron's Bhavan

TEAM SIZE :
3-4

SCAN TO REGISTER

**REGISTRATION FEE:
₹99/- PER TEAM**

SPONSORED BY:
CHEM IT
One stop solution for all
laptop services

Convenor:
Dr. N. Sandhya
Professor & Head (CSE-AIML & IoT)

Faculty Coordinator:
Dr. A. Kousar Nikhath
Associate Professor (CSE-AIML & IOT)

CONNECT WITH US!
@krithomedh_vnrvjiet

**INSTITUTION'S
INNOVATION
COUNCIL**
Ministry of Education, Government of India

HUB

**IEEE
COMPUTER
SOCIETY**
VNR VJET Student Branch Chapter

Student Coordinators:
Yashwanth-8977930125
Sriya-7013938232
Vishwak-6301013093

EVENTS

WINNERS

Dr. N. Sandhya, Head of the Department, proudly presented the cash prizes to the deserving winners, recognizing their outstanding achievements and contributions during the event.



"Dr.M Venugopala Rao Honors Smart India Hackathon 2023 Winners with Prestigious Award".

EVENTS



During the closing ceremony, The Head of the Department Dr.N.Sandhya and Dr. M.Venugopala Rao jointly presented cash prizes to the deserving recipients, acknowledging their exemplary performances and contributions.



EVENTS

CODING CONTEST

Krithomedh's Coding Contest 2024 provided students a platform to showcase problem-solving abilities and gain valuable learning experiences. Participants explored new concepts, refined coding skills, and enhanced critical thinking through engaging challenges and collaboration. The event fostered camaraderie and emphasized continuous improvement, attracting substantial participation from both our college and neighboring institutions.



The Principal and Dean of VNRVJiet extend special appreciation for the successful organization of Krithomedh's Coding Contest 2024, recognizing the dedication and hard work of all involved. Their commendation underscores the event's significance in fostering innovation, collaboration, and learning within our community.

EVENTS

WINNERS

First Division

"Principal Sir proudly awards the winners and runners of the first division at Krithomedh's Coding Contest 2024, celebrating their outstanding achievements in problem-solving and coding prowess."



Second Division

"Principal Sir proudly awards the winners and runners of the second division at Krithomedh's Coding Contest 2024, celebrating their outstanding achievements in problem-solving and coding prowess."



Special Appreciation

The Principal and Dean of VNRVJIET extend special appreciation for the successful organization of Krithomedh's Coding Contest 2024, recognizing the dedication and hard work of all involved. Their commendation underscores the event's significance in fostering innovation, collaboration, and learning within our community.



EVENTS

THANKS GIVING

In a gesture of appreciation, students from the Department of AIML and IoT extended their gratitude to the faculty with a heartwarming lunch gathering.



Students from the AIML and IoT Department showed their appreciation to the faculty with a heartfelt lunch and presented mementos as a token of gratitude for their support and guidance. This gesture fosters stronger bonds and embodies the spirit of camaraderie within the department.

SOCIETAL IMPACT PROJECTS



VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

AICTE Approved; UGC Autonomous, JNTUH Affiliated, UGC "College with Potential for Excellence", NAAC "A++" Grade, NBA Accredited



SURVEILLANCE SYSTEM OF PARKING LOT FOR VNR VJIE



VNR VJIE Smart Parking Lot System

Never Circle Again. Reserve Your Parking Online

Parking Status

Available Spaces: 14

Reserved Spaces: 1

Reserve Parking

Select Parking Spot

1

Reserve Parking



Innovative solution of parking lot system to optimize parking space utilization and improve overall efficiency and parking experience



DEPARTMENT OF CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING & INTERNET OF THINGS)

OUR TEAM

DR. N SANDHYA (PROFESSOR AND HOD), K. SATVIK, M. KRISHNA PRIYA, N. PARTHAV, S. PRANUTHI



VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institution, Recognized as "College with Potential for Excellence" by UGC



NAAC with 'A++' Grade and NBA Accredited for CE, ME, AME, EEE, CSE, ECE, EIE and IT

CREATING SOCIAL IMPACT AS A STUDENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING THROUGH B.TECH. PROJECT

Project Pipeline


Water Quality Classification using Machine Learning

Model	Accuracy	Precision	Recall	F1-Score
Decision Tree	1.0	1.0	1.0	1.0
Random Forest	1.0	1.0	1.0	1.0
Logistic Regression	0.7044	0.5100	0.5044	0.4984
Logistic Regression (L1)	0.9076	0.9113	0.9076	0.9079
Logistic Regression (L2)	0.9935	0.9936	0.9935	0.9935
KNN	0.7442	0.7443	0.7442	0.7443


SATELLITE-BASED WATER QUALITY MONITORING IN TELANGANA REGION

OUR TEAM: Ms. Naga Durga Salle.K (Asst. Professor), A.Pushkara, K.Pranithi, P.V.L.Sudheep, SB.Mahammad Alhaf

SOCIETAL IMPACT PROJECTS



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DEPARTMENT OF CSE- Artificial Intelligence and Machine Learning(AIML) & Internet of Things

Creating Societal Impact by Students of CSE - AIML Through B.Tech

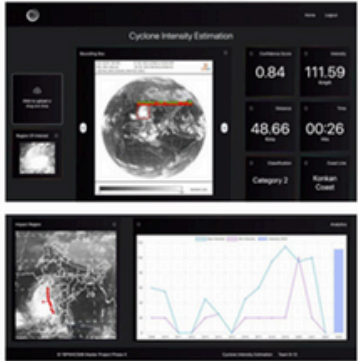
Cyclone Detection and Intensity Estimation using INSAT-3D Imagery

ARCHITECTURE OF PROPOSED MODEL





Typical cyclones (TCs) as intense weather phenomena capable of producing destructive human lives often resulting in disasters marked by potential winds and massive rains. We proposed an architecture based on convolutional neural networks (CNNs) to address this problem. This method uses cyclone related images. Using custom FC3 architectures, we used transfer learning and fine-tuning on CNN architectures such as VGG16, VGG19, and ResNet50 with and without data augmentation. The network includes 4 layers from VGG16, 3 layers from VGG19, and 12 layers from ResNet50 effectively create cyclone features. The CNN models were used to these architectures to extract features, and the resulting feature maps were fed to custom combination of Fully Connected Networks (FC3). The optimal results were achieved with the VGG16 + FC3 (128 x 64 x 1) architecture through transfer learning, producing an F1 score of 0.84, RMSE of 0.021 and AUROC Score of 0.92. We used this model as the foundation for the Neural Architecture Search (NAS) to enhance the FC3 architecture. The NAS produced multiple architectures, with the VGG16 + FC3 (128 x 128 x 1) architecture exhibiting results


Our Results





Our Team


Harishash Mendhala


Uday Kiran Pillamaraju



Ajay Dip Kumar Maripota


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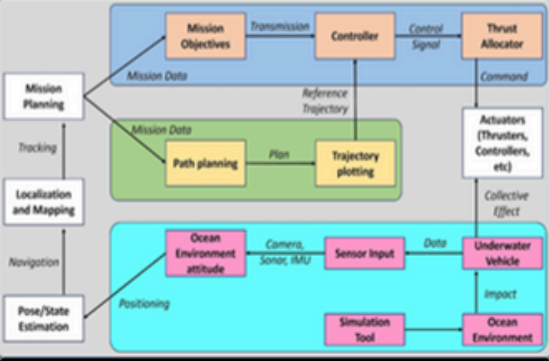
Department of CSE-Artificial Intelligence and Machine Learning and Machine Learning & Internet of Things

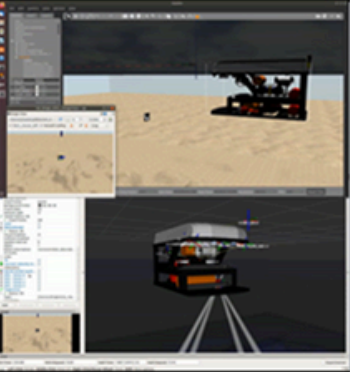
Creating Societal Impact by Students of CSE - IoT Through B.Tech Project

PRECISION UNDERWATER NAVIGATION: Pose Estimation of UUV using ArUco marker-based simulations

Our proposed project streamlines UUV creation, testing, and deployment for deep-sea missions by utilizing Gazebo and ROS (Robot Operating System). Research, mapping, surveying, and navigation are a few examples of applications. Our proposed project intends to push the frontiers of underwater exploration and knowledge acquisition by designing a robust, intelligent, and affordable UUV systems for a variety of deep-sea applications by utilizing ROS and Gazebo.







DEPARTMENT OF COMPUTER SCIENCE ENGINEERING (Internet of Things)

OUR TEAM

DR. M. NIRMALA, IYOTHU (ASSISTANT PROFESSOR), P. SOUTHIKUMAR, VASISTA, P. SATYANARAYAN, A. SRIBHUKTAN, A. JHANSICANI

NPTEL

NPTEL (National Programme on Technology Enhanced Learning) is an initiative by Indian Institutes of Technology (IITs) and Indian Institute of Science (IISc) offering online courses and certifications in engineering, science, and technology fields to promote accessible, high-quality education and skill development.

In a bid to celebrate academic prowess and commitment to learning, VNVRJIET college introduces cash prizes for NPTEL course toppers, fueling motivation and nurturing a culture of scholastic excellence among students.



VNVRJIET Rewards
Academic Excellence For
NPTEL Toppers



NPTEL TOPPERS LIST



S.No	Name of the Candidate	Roll no	Department	Category
1	Dr. N.Nirmala Jyothi	24CSE012	CSE	Faculty
2	Korle Para Veera Venkata Satya Bharadwaj	21071A6698	CS-AM	Student
3	Abhiram Guntupalli	21071A66E3	CS-AM	Student
4	Kapila sri sai gangadhara Prakeerth	21071A66E7	CS-AM	Student
5	Suggala Murari	21071A66J2	CS-AM	Student
6	Ravikumar Vurumalla	21075A6606	CS-AM	Student
7	Konkathi Nihal	21075A6620	CS-AM	Student
8	Sanath Muthoju	21075A6633	CS-AM	Student
9	Aleti Jayasimha Reddy	21075A66D0	CS-AM	Student
10	Abhitej kodakandla	21075A66E9	CS-AM	Student
11	Tummala Naveen	21075A6660	CS-AM	Student
12	Medipelly Karthik	21075A6635	CS-AM	Student
13	Charan Sulluru	21075A6658	CS-AM	Student
14	Challa Kalyan Ram	21075A6614	CS-AM	Student
15	Jalakam Chandra Harsha	21075A6624	CS-AM	Student
16	Prachet Yerramalla	21075A6651	CS-AM	Student





Student Activity

"Web Centric Triumphs: VNRVJIET College of Engineering Students Secure Victory in Smart India Hackathon 2023 with Udyog Sarathi App Solution"



Students from the AIML and IoT department showcased their talent at NASA Space Apps Hackathon 2023 held at the Technical Business Incubation Unit, Kalpana Chawla Center, Chandigarh University.



Student Activity



Yashwanth and Rishith, both in their second year of AIML-A, clinched the first prize at the Techsurge Hackathon hosted by BVR IT Narsapur, earning a reward of Rs. 7000. Their victory underscores their exemplary skills and innovative prowess in the field of technology.



AIML and IoT students clinched the first prize at the Kabaddi tournament hosted by HITAM and Mallareddy College.

Mallikarjun Makes Waves in Kabaddi - IoT's Rising Star



FAREWELL

“Thank you for being a part of our story”



AIML 2020-2024 BATCH



IoT 2020-2024 BATCH

AIML & IoT

BATCH-1

"Stepping into the Future:
[AIML&IoT] Class of 2024!"





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