



**VIGNANA BHARATHI**  
Institute of Technology

(A UGC Autonomous Institution, Approved by AICTE, Accredited by NBA and NAAC-A Grade, Affiliated to JNTUH)



BRANCH ASSOCIATION

# NEWS LETTER

## abohai gyau

*-Intelligence towards Innovation*

Computer Science and Engineering



Vol 1. Issue 1

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# HoD's MESSAGE

It gives me a great pleasure to announce that the Department of Computer Science and Engineering is releasing the First volume of Newsletter, which enumerates the endeavours and accomplishments of our faculty and students.

The department offers excellent academic learning environment with a team of highly qualified and experienced faculty members to instigate the students to cultivate their technical skills and inculcate the essence of team work in them.

The department is aimed to nurture the student community towards initiative to innovation by developing research projects. The department is organizing guest lectures, workshops, seminars, industrial visits to enhance the skill set of the students. The department is motivating the students to participate in various curricular, co-curricular and extracurricular activities to encourage all round development of the students.



**-Dr M. Venkateswara Rao**  
**Professor,**  
**Dept., of CSE**

# PREFACE

It gives immense pleasure and overwhelming excitement, and absolutely utmost delighted in demarcating the preface for the Newsletter abhihgyan-2k24. we express the deep sense of gratitude from bottom of the heart to the Head of the Department, Dearest colleagues of the department who have extensively extended invaluable Co-Operation and Co-Ordination in Organizing and compiling various events lucratively in an exquisitely decorative manner relentlessly.

Department of Computer Science and Engineering could be highly indebted to the Honorable Chairman, Secretary, Principal, and the Directors for their continuous, incomparable and precious directives in a precise way in successful completion of prestigious phenomenon. The Newsletter portrays the technical and Non-Technical events conducted by the department, in the process of strengthening the pragmatic approaches to empower the receptive learning and pedagogical methods, the department is highly dedicated to facilitate the students at the max. Newsletter comprises of different achievements of the renowned faculty and students.

**-Dr. Raju Dara**  
**Professor,**  
**Dept., of CSE**

# OUTLINE

- Institute Details
- Department
- Workshops
- Google Crowdsourcing Vbit
- NPTEL & Placements
- Internship Programmes
- Industry Insights & Tech events
- Faculty Publications
- Student Corner
- Branch Association



## VBIT VISION:

To emerge as a premier institution for technical education in the country through academic excellence and to be recognized as a Center for Excellence in Research and Development.

## VBIT MISSION:

To establish a strong institute by consistently maintaining state of the art infrastructure and a cohesive, world class team by providing need based technical education.

## ABOUT THE INSTITUTE

The institute is recognized as one of the top engineering colleges in Telangana. The primary motive of college is to “Train young minds able and eager to create and put into action such ideas, methods, techniques, and information”.

Vignana Bharathi Institute of Technology emerged as a hub for engineering excellence. At VBIT, students will discover engineering in a different light. Students will experience an engineering education that is on par with the industry requirement.

# ABOUT THE DEPARTMENT

The inception of the Computer Science and Engineering department dates back to 2004, driven by a vision to deliver comprehensive technological education to students hailing from diverse corners of India and beyond. Our programs cater to both B.Tech and M.Tech degrees, with an annual intake of 240 and 30 students, respectively. The primary objective is to cultivate responsible individuals who will actively contribute to the advancement of their families, communities, and the nation at large. The Department consists of 12 Ph.D holders and experienced faculties with a count of 5-Professors, 5-Associate Professors, 19-Assistant Professors.



## DEPARTMENT VISION:

To become, a Center for Excellence in Computer Science and Engineering with a focused Research, Innovation through Skill Development and Social Responsibility.

## DEPARTMENT MISSION:

- DM-1: Provide a rigorous theoretical and practical framework across state-of-the-art infrastructure with an emphasis on software development.
- DM-2: Impart the skills necessary to amplify the pedagogy to grow technically and to meet interdisciplinary needs with collaborations.
- DM-3: Inculcate the habit of attaining the professional knowledge, firm ethical values, innovative research abilities and societal needs.

# WORKSHOPS

## 1. Visual Analytics with TABLEAU



Our Department of CSE hosted a successful workshop on Visual Analytics with Tableau, engaging participants in hands-on learning .Participants gained practical skills in creating interactive dashboards and reports using Tableau. The workshop fostered a deeper understanding of data exploration and interpretation techniques.

**Date:** 2nd September, 2023.

**Venue:** Chethana Auditorium and Computer Lab 1,2,3

## 2.React JS and Node JS using MySQL



A workshop was held to introduce participants to ReactJS and NodeJS using MySQL to a powerful JavaScript library essential for modern web development. React JS and Node JS using MySQL's component-based architecture and efficient Virtual DOM offer a streamlined approach to building interactive user interfaces. Overall, the workshop aimed to empower participants with the knowledge needed to excel in building responsive and engaging web applications. The workshop was hosted by Mr.Pandala Penchala Swamy.

**Date:** 8th & 9th December, 2023.

**Venue:** Lab - 1,2,3,4

## BUILDATHON

In Buildathon, participants interacted with cutting-edge technology, discussed concepts, and worked collaboratively to develop solutions for practical problems. Focus on scalability, security, and speed pushes the students to experiment with novel methods for app development. Creativity thrives during hacking sessions, mentorship, and workshops

**Date:** 25th & 26th September, 2023.

**Venue:** Nalanda Auditorium.

## IDEATHON

Google Crowdsourcing Ideathon, Innovators worldwide come together to tackle pressing challenges and drive impactful solutions. With diverse participants, mentorship, clear judging criteria, and exciting prizes, it's the ultimate platform for collaboration and problem-solving.

**Date:** 30th September, 2023.

**Venue:** Nalanda Auditorium.

## TECH TALKS

- The topic "Introduction to Generative AI with Google Cloud" provides a comprehensive introduction to the field of generative Artificial Intelligence (AI) utilizing Google Cloud services. Participants gained insights into how these techniques can be applied to create new content across different domains, such as text, images, music, audio, and videos.

**Date:** 13th September, 2023.

**Venue:** Chethana Auditorium.

- An amazing tech talk on Machine Learning with Kaggle, boosting students skills and insights into Kaggle competition.

**Date:** 15th December, 2023.

**Venue:** Nalanda Auditorium.



# NPTEL CERTIFICATIONS

## FACULTY

- Elite+ Silver : 1

## STUDENT

- Elite : 8
- Successfully Completed : 10

**MOVIDU**



**GLOBAL QUEST**  
TECHNOLOGIES

**accenture**



**KODY**  
TECHNOLAB LIMITED

**85**

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## II Year

### JUNIPER NETWORK VIRTUAL INTERNSHIP

The Juniper internship program gave the opportunity to contribute to the development of cutting-edge technologies. They gained hands-on experience in building cyber security and machine learning infrastructure for malware detection.

### PROCESS MINING VIRTUAL INTERNSHIP

An internship in process mining encompasses training in software tools like Celonis or ProM. Interns collaborate with stakeholders to redesign processes for efficiency.

### INTELLIGENT AUTOMATION VIRTUAL INTERNSHIP

An intelligent automation virtual internship involves gaining practical experience and skills in deploying and managing automation technologies.

### JUNIPER NETWORK VIRTUAL INTERNSHIP

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### CYBER SECURITY VIRTUAL INTERNSHIP

Participants in virtual cybersecurity internships get practical experience in threat identification, incident response, vulnerability assessment, and security operations.

### DATA ENGINEERING VIRTUAL INTERNSHIP

Data Engineering internship offers students the opportunity to gain practical experience with data warehousing technologies, and implementing data solutions.



3rd year CSE-D Student Surya Teja Thodupunuri got an internship in IIIT Hyderabad for duration of 3 months on domain Natural Language Processing under the guidance of CEO-Ebasha setu.

## DATA ANALYTICS PROCESS AUTOMATION VIRTUAL INTERNSHIP

Participating in this virtual internship helps to focus on data analytics process automation to gain exposure with industry tools and technologies.

## NETROKING CLOUD VIRTUAL INTERNSHIP

Netroking Cloud Virtual Internship provides knowledge in the field of cloud computing through virtual means.

## AWS CLOUD VIRTUAL INTERNSHIP

An AWS cloud internship involves hands-on experience with Amazon Web Services technologies, such as computing, storage, and databases.

## SALESFORCE INTERNSHIP

Salesforce typically offers internships across various departments, providing students with valuable hands-on experience and the opportunity to work on meaningful projects. These internships are often available in areas such as software engineering, data science, product management, marketing, sales and finance.

**III Year**

**IV Year**

# INDUSTRIAL VISITS

## NRSC - ISRO, HYDERABAD

The objective of the visit was to provide a technical exposure to the students about space technology.

The visit gave great exposure to the students about the future career prospects and areas of research in applied sciences. **(2nd year)**



## C-DAC, HYDERABAD

The primary goals of the tour include gaining knowledge on software technology, cyber security & forensics, high speed computing, and strategic electronics.

The visit gave great exposure to the students about the future career prospects and areas of research in applied technologies.



## NRSC - ISRO, HYDERABAD

The main objective of the visit includes learning about satellite operations, data processing, and its applications.

The students received excellent exposure to potential career paths and applied scientific research fields throughout the visit. **(3rd year)**



## AIC - IIIT, HYDERABAD

It is a unique opportunity to gain knowledge about different production techniques and processes, which can be beneficial in future career paths.



# FACULTY PUBLICATIONS

## Dr.P.V.S.Srinivas

TITLE: "A Framework to Authenticate Signature using Machine Learning Technique" in 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud).[scopus]

## Dr M.Venkateswara Rao

TITLE: "Histopathology Breast Cancer Classification Using CNN" in International Conference on Image Processing and Capsule Networks ICIPCN 2023: Fourth International Conference on Image Processing and Capsule Networks.[scopus]

## Dr. Raju Dara

TITLE: "A multi-sensory real-time data transmission method with sustainable and robust 5G energy signals for smart cities" in Sustainable Energy Technologies and Assessments.[sci]

## Dr. A.L.Sreenivasulu

TITLE: "Current Challenges and future directions in Artificial Intelligence for imaging Informatics" in the Journal of Theoretical and Applied Information Technology.[scopus]

TITLE: "Enhancing Style Transfer with GANs: Perceptual Loss and Semantic Segmentation" in the (IJACSA) International Journal of Advanced Computer Science and Applications.[scopus]

## Dr. N. Arjun

TITLE: "Hybrid Approach for Alzheimer's Disease Diagnosis For 3D Brain MR Image" in International Journal on Recent and Innovation Trends in Computing and Communication.[scopus]

## Mrs. D.Kalpna

TITLE: "A novel multi-level clustering mechanism using heuristic approach for secure data transmission in WSN sector with various trust computation" in Intelligent Decision Technologies.[scopus]

## Dr. Rajesh Saturi

TITLE: "Deep generative adversarial networks with marine predators algorithm for classification of Alzheimer's disease using electroencephalogram" in Journal of King Saud University - Computer and Information Sciences.[sci]

## Mr.P.Hanumantha Rao

TITLE: "Segmentation of Brain Tumor Images Using Morphological Reconstruction in IOT with Smart Systems, Lecture Notes" in Networks and Systems, International Conference on Information and Communication Technology for Intelligent Systems.[scopus]

## BOOKS WRITTEN

"Python Programming" - Dr Rajesh Saturi

"Cloud Computing"- Dr Rajesh Saturi, Dr P.Subhadra, P.Hanumantha Rao

"AI Recent Trends,Challenges and Applications"-Dr P.Subhadra

# STUDENT CORNER

VAPs



11 of our final year students certified in ServiceNow

52 of our students got certified in AWS and Salesforce



Meeth Kumar Shah  
4th year CSE

Promoted to beta Tester for Google's Crowdsourcing app to enhance Google's products and technology.

Secured a trainee intern position at Tata Neu, actively contributing to ML projects while also engaging in a project management course to enhance career skills.

Certifications: Career Essentials in Project Management by Microsoft and LinkedIn.

## VOLLEYBALL

SPORTS



@SNIST  
STATE LEVEL WINNERS

## KABADDI



@St Peter's  
STATE LEVEL WINNERS

# CONCLUSION

The Elite Department of Computer Science and Engineering of venerated Vignana Bahrathi Institute of Technology is delighted to endure the cadence to bridge the gap between industry and institution by conducting symposiums, workshops that enables hands on experience, and technical events consistently on inter-disciplinary, multi-disciplinary, and latest inventions, and innovations. The faculty members of the department have been striving rigorously and ensure to honor the main objective of the department that is “Preparing industry required tailored made Professionals”.

# BRANCH ASSOCIATION

With a vision to become a center of excellence, Vignana Bharathi Institute of Technology implements decentralized planning for academic and research pursuits. Departments are empowered to organize guest lectures, seminars, workshops, and industrial visits, fostering growth. Branch Association Activities drive initiatives to achieve higher potentials among faculty and students.



**Dr. N. Arjun**  
Faculty Coordinator



**Mrs. P. Yamini Devi**  
Faculty Coordinator



**Ruchira**  
Student Coordinator



**Jacob**  
Designing



**J. Bharath**  
Documentation



**S.N.S.Chaturvedi**  
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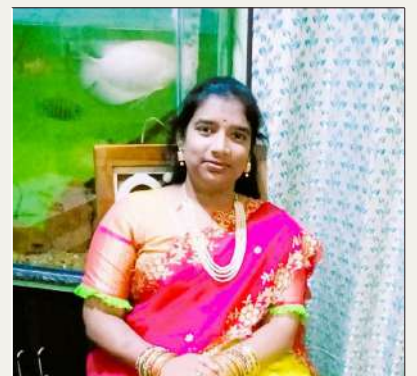
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2024

