VIGNANA BHARATHI
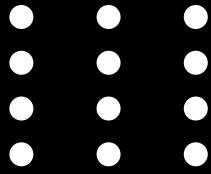## Institute of Technology

Aarna
Evolution of Technoprenuers

Computer Science and Business System

VOLUME - 2
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INDEX

ABOUT INSTITUTE

Nestled within the vibrant academic landscape of Telangana, **Vignana Bharathi Institute of Technology** stands tall as a beacon of innovation and learning, celebrated far and wide as one of the Top Engineering Colleges in the region.

The students of VBIT are enveloped by a culture that recognizes curiosity, innovation, and collaboration. The state-of-the-art laboratories, cutting-edge research facilities, and vibrant academic ecosystem provide the perfect crucible for experimentation and exploration, igniting the flames of creativity and innovation.

Fostering Excellence in Education-
At VBIT, our commitment lies in cultivating educational excellence, fostering intellectual curiosity, and grooming future leaders. As we embark on this collective journey, let's explore the essence of what makes our institute truly extraordinary.

ABOUT DEPARTMENT

Established in 2020, **The Computer Science and Business System (CSBS)** department aims to offer inclusive technology education to students, fostering responsible citizenship for societal betterment. The department focuses on developing competent programmers. The department boasts well-equipped computing laboratories and a diverse array of software applications.

Vision:
To emerge as a premier institute for technical education in the country through academic excellence and to be recognized as a center for excellence in Research and Development.

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

Research:
The institute's unique blend of conceptual teaching and rigorous research and development fosters the growth of highly competent and employable engineers with a broad perspective.

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1. Domain Knowledge: Synthesize mathematics, science, engineering fundamentals, and pragmatic programming concepts to formulate and solve engineering problems using prevalent and prominent software.

PEO 2. Professional Employment: Succeed at entry-level engineering positions in the software industries and government agencies.

PEO 3. Higher Degrees: Succeed in the pursuit of higher degrees in engineering or other by applying mathematics, science, and engineering Fundamentals.

PEO 4. Engineering Citizenship: Communicate and work effectively on team-based engineering projects and practice the ethics of the profession, consistent with a sense of social responsibility.

PEO 5. Lifelong Learning: Recognize the Significance of independent learning to become experts in chosen fields and broaden professional knowledge.

PROGRAM SPECIFIC OUTCOMES

PSO1

Analyse various networking concepts and also be aware of how security policies, standards, and practices are used for troubleshooting.

PSO2

To Incorporate ethical values and professional standards with soft-skills in computer science and business disciplines to enable students to emerge as entrepreneurs in society.

PSO3

To Inculcate Proactive thinking to ensure effective performance in the dynamic, socioeconomic, and business ecosystem.

"Education is not just the transfer of knowledge, but the awakening of purpose and the shaping of character"

HEAD OF DEPARTMENT

Dr. G Swamy, the Head of the Department of Computer Science and Business Systems, with a Ph.D , alongside M.Tech from JNTUH and B.Tech from O.U , brings a rich tapestry of qualifications to his leadership role.

"I, As the Head of the Department of Computer Science and Business Systems at VBIT, introduce an interdisciplinary course aligned with AICTE: Computer Science and Business Systems. This program is designed to provide you with a unique blend of technical expertise and business acumen, preparing you for the dynamic world of technology and commerce. Our institute VBIT fosters holistic development through extracurricular activities, empowering individuals for societal contributions.

Our department is not just about acquiring knowledge; it is about embracing innovation, fostering creativity, and developing skills that will shape your future.I encourage each and every one of you to make the most of this opportunity. Engage actively in your classes, collaborate with your peers, and seek out internships and projects that will enhance your learning experience. I am confident that with dedication, hard work, and a passion for learning, you will emerge from this program as confident and capable professionals ready to make a positive impact on the world. So, seize every opportunity, embrace every challenge, and never stop striving for greatness. I wish you all the best in your academic endeavors and look forward to witnessing your success.

Thank you."

FACULTY

Mrs. K. Keerthana (Assistant Professor, CSB)
Mrs. K. Keerthana, holds an M.Tech and B.Tech from JNTUH. She plays a pivotal role in nurturing the students of our department, it is evident in her innovative teaching methodologies and her unwavering support for student success

Mrs. M. Malini (Assistant Professor, CSB)
Mrs. M. Malini possesses an M.Tech from JNTUH and an MCA from O.U. Mrs. Malini is passionate about leveraging technology to enhance the educational experience, integrating cutting-edge tools and platforms into her teaching.

Mrs. B. Madhuri (Assistant Professor, CSB)
Mrs. B. Madhuri possesses an M.Tech from Anurag University and a B.Tech from JNTUH. Ms. Madhuri inspires students to pursue excellence in their studies and prepares them to thrive in the fast-paced and ever-evolving field of technology

Mr. S. Mahender (Assistant Professor, CSB)
Mr. S. Mahender possesses an M.Tech from JNTUH and an M.Sc from O.U. Mr. Mahender fosters a culture of collaboration among students and faculty members, encouraging interdisciplinary dialogue.

FACULTY

Mr. G. Ramesh (Assistant Professor, CSB)

Mr. G. Ramesh holds a B.Tech from KG Reddy College of Engineering and Technology and an M.Tech from Vardhaman College of Engineering. He fosters a hands-on learning approach and emphasizes skill development aligned with current industry trends.

Mrs. P. Saraswati Devi (Assistant Professor, CSB)

Mrs. Saraswati Devi P. earned her B.Tech from Andhra University and M.Tech from Sri Sai Madhavi Institute of Science and Technology. She inspires academic excellence by promoting critical thinking and active participation in both classroom and research environments.

Mr. T. Rakesh (Assistant Professor, CSB)

Mr. Rakesh Tingilkar holds a B.Tech from Jayamukhi Institute of Technology and Science and an M.Tech from Ramappa Engineering College. He is dedicated to fostering a dynamic learning environment and encourages innovation through collaborative academic engagement.

Mrs. N. Mounika (Assistant Professor, CSB)

Mrs. N. Mounika completed her B.Tech from Malla Reddy College of Engineering for Women and M.Tech from J.B. Institute of Engineering and Technology. She is committed to student-centric teaching and encourages the application of theoretical concepts through practical exposure.

GUEST LECTURES

The CSBS department organized an insightful guest lecture by Mr. Neelesh Ahankari, who shared his journey through various technological and managerial domains in the industry. Held at DISHA Auditorium, the session aimed to bridge academic learning with industry expectations, emphasizing trending technologies, interview preparation, and career readiness.

The interactive session included demonstrations of platforms like VIBE CODING and freelancr.in, helping students explore practical tools for skill development. With participation from 70+ students and active involvement from faculty, the event successfully motivated students to enhance their technical profiles and embrace continuous learning.

Led by Dr. Sundeep Siddula, this session focused on converting academic projects into publishable research papers. Held at NIRMITHI-104, the workshop provided students with insights into identifying quality journals, understanding citations, and ensuring research originality.

The speaker shared practical tips on structuring research papers and avoiding plagiarism, stressing the importance of publication for higher education opportunities. Attended by 60 final-year students, the workshop inspired participants to pursue research writing as a valuable academic and professional asset.

WORKSHOP

In its continuous pursuit to enhance technical fluency among students, CSBS conducted a one-day workshop focused on Tableau, an industry-leading data visualization tool. Dr. Rakesh Phanidra elaborated on big data technologies, analytics applications, and the integration of R-Programming in data analysis.

The session, attended by around 100 second and third-year B.Tech CSBS students, included hands-on demonstrations and detailed walkthroughs of Tableau using real-world datasets. Students gained valuable exposure to data storytelling and industry-specific use cases.

The workshop closed with a strong call to action for students to align their technical learning with industry needs, thereby narrowing the skill gap. Faculty involvement, led by HOD Dr. G. Swamy and Mrs. K. Keerthana, ensured smooth coordination and interaction throughout the day.

FACULTY PUBLICATIONS

- **Dr G. Swamy (HoD of CSBS)** published *A Framework to Authenticate Signature using Machine Learning Technique* as IEEE Explorer at the I-SMAC conference in October 2023 which is indexed in Scopus with Purwanchal Campus, Institute of Engineering, Tribhuvan University, Nepal.(ISSN: 979-8-3503-4147-8)

- **Dr G. Swamy (HoD of CSBS)** published *Multi-Objective Eagal Optimization Features Selection for Cloud Systems* at the ICCS-2022 conference in October 2023 which is indexed in Scopus with 6th International Conference on Computing Sciences 2022.(ISSN: 978-1-032-52199-2)

- **K. Keerthana (Faculty of CSBS)** published Comprehensive Analysis of WSN Routing focusing on trustworthiness and Design of a Hybrid Methodology using Deep Learning - 1734 at MRTM-23 conference in October 2023 which is indexed in Scopus from New Horizon College of Engineering, Bengaluru with IEE title of proceedings

- **Rakesh (Faculty of CSBS)** published a research work titled "Multi-Objective Eagal Optimization Feature Selection for Cloud Systems" at the 6th International Conference on Computing Sciences (ICCS-2022) held in October 2023. This conference paper is indexed in Scopus and appears under the ISSN 978-1-032-52199-2. The research focuses on intelligent feature selection in cloud systems using a multi-objective eagle-inspired optimization algorithm.

FACULTY ACHIEVEMENTS

The Salesforce Platform Developer I credential is designed for individuals who have experience developing and deploying basic business logic and user interfaces using the programmatic capabilities of the Lightning Platform. This certification demonstrates your ability to design, develop, test, and deploy custom applications using Salesforce tools and technologies.

by **K. Keerthana**

Red Hat is a software company that specializes in creating enterprise-level open-source products. **The Red Hat Certified System Administrator (RHCSA) certification** is a popular certification for IT professionals who work with Red Hat Enterprise Linux (RHEL) systems.

by **K. Keerthana**

LEARNING PLATFORMS

- **Infosys Springboard**

Flagship Platform to accelerate 21st Century Digital Learning
In alignment with the Infosys ESG Vision 2030 to enable digital skills at scale, Infosys Springboard has been identified as a flagship digital learning platform to empower people, communities, and society with skills to be successful in the 21st Century.

- **Oracle Academy**

Oracle's global philanthropic educational program, is open to educators around the world to advance technology education, skills, innovation, and diversity and inclusion.

- **Cisco Networking Academy**

The Cisco Networking Academy is an educational initiative that offers comprehensive training in networking, security, and programming to students worldwide.

STUDENT INTERNSHIPS

Amazon AWS

Amazon Web Services (AWS) is at the forefront of cloud technology, providing scalable and reliable infrastructure solutions to businesses of all sizes around the globe. Through their Virtual Internship Program, students have the chance to engage in a dynamic learning experience that combines theoretical knowledge with practical application in real-world scenarios

Juniper Networks

The internship experience includes broadening out perspective - building professional relationships with other interns and colleagues, learning about the company, exploring various career paths, understanding the industry at large, and contributing to the surrounding community. The University Talent Program provides the framework for these experiences through training opportunities, speaker sessions with company leaders, philanthropic events, social activities, and more.

CERTIFICATION PROGRAMS

- **Salesforce** - Salesforce is an American cloud-based software company headquartered in San Francisco, California. It provides customer relationship management (CRM) service and also provides enterprise applications focused on customer service, marketing automation, analytics, and application development.

- **Microsoft Azure** - The Azure cloud platform is more than 200 products and cloud services designed to help you bring new solutions to life—to solve today's challenges and create the future. Build, run, and manage applications across multiple clouds, on-premises, and at the edge, with the tools and frameworks of your choice.

- **DevOps** - DevOps is a collection of two words, "Development" and "Operations," representing a cultural approach that emphasizes collaboration between development and operations teams to streamline the entire software delivery lifecycle. DevOps tutorial is designed to help learn DevOps basics and advanced concepts, including Git, Ansible, Docker, Puppet, Jenkins, a range of DevOps tools, Azure DevOps, Chef, Nagios, and Kubernetes.

CO CURRICULAR ACTIVITIES

- **Supriya** , **Rishi** , **Jagruthi** , **Sindhu** , **Aditya** , **Revanth** and **Akanksha** IV year students from our department proudly represented the institute at the 9th National Techno Exhibition held at Dr. Ambedkar Institute of Technology.

- In the GenAI Hackathon under the CSBS category, Team CiperMinds consisting of **Manoj, Mithil, Rajesh** and **Sai Kumar** secured the **1st Prize**. Their innovative use of Generative AI and strong teamwork impressed the judges and stood out for its creativity and impact.

- Team TorchWood, comprising Neeraj and Aditya, won the **2nd Prize** in the same category. Their project demonstrated a practical and effective application of Generative AI, earning praise for its execution and relevance.

- **M. Rishi Raghavendra, K. Madhava, M. Umesh Chandra,** and **D. Sudharshan** secured the **3rd Prize** in the Smart Internz GEN AI Hackathon. Their Generative AI-based solution was recognized for innovation, teamwork, and technical excellence.

EXTRA CURRICULAR ACTIVITIES

- **Manideep Reddy** from III CSBS participated in the National Level GAME GLORY SPORTS FEST Championship 2K25 for Men and women and secured second prize .

- **Methuku Nagalaxmi** from II CSBS participated in Sports/Games at State & National Level organised by JAI BHARAT LEGEND SPORTS ACADEMY on the occasion of International Women's Day - 2025

- **Shaun** from II CSBS participated in Sports/Games organised by Nalsar University of Law secured **second** position.

AARNA

- Aarna is more than a college club—it's a platform that empowers students to turn their passions into profit. With the motto "Turning Passions into Profits," Aarna helps you explore your talents, build skills, and create income opportunities—all while you study. Whether you're a coder, writer, designer, marketer, or just discovering your strengths, Aarna supports your journey to success.

- Mission: Our mission is to empower students to harness their skills and passions, transforming them into thriving professional opportunities. We strive to inspire growth that is both personal and professional, paving the way for fulfilling careers and impactful contributions to the world.

- Vision: Our vision is to ignite the spark of potential in students, empowering them to embark on a journey toward financial independence. We cultivate a thriving ecosystem of innovation and freelancing, nurturing a culture where creativity and ambition flourish. Our club is dedicated to offering both technical and non technical enthusiasts an equal platform to pursue professional success, turning aspirations into achievements.

- Faculty coordinator: K. Keerthana Assistant Professor | CSBS
- Founding Members: S. Neeraj (President) T. Aditya (Vice President) D. Jignash (Secretary)

STUDENT SERVICES TOWARDS INSTITUTION

- V. Vishnu Preethi : IETE - Director of SST, Abhedya - Content Writer

- P. Supriya : Srishti - Design Lead

- E.Thanushya : IETE -Marketing co-ordinator

- Aditi : IEEE - Membership Development Officer

- Manoj : IEEE - Women in Engineering Affinity Group (Treasurer)

- C. Akshita : NSS - Coordinator (Social Media)

- K. Vaishnavi , WPC, Secretary

- Sunaina : TEDX - SMP CREW

- K. Madhava : Ganith - Documentation lead

- P. Jahanavi : Vaartha - Design (coordinator)

- M. Sreemuki : Vartha - Design (coordinator)

STUDENT PLACEMENTS

A total of **30 students** have successfully secured placements in esteemed companies, with top-tier salary packages reaching up to **7.5 LPA**. Congratulations to all the students on their remarkable achievements!

OUR TEAM

FACULTY COORDINATOR
Mrs K. KEERTHANA

SUPRIYA

RISHI

HARSHA ADITYA

JIGNASH

GRESHMA

MADHAVA

RISHI

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