

## Scope of the Conference

The primary focus of the International Conference on Recent Innovations in Computer Science & Technology is to provide scholars and researchers with diverse multidisciplinary platforms for exploring the applications of computational techniques across various fields. It also provides a platform for discovering new ideas and build networking among researchers, practitioners and educators, to promote the discipline of Computer Science as a profession in a large community especially to decision makers in engineering and industrial applications.

## Focused Areas

Artificial Intelligence, Machine Learning Cyber Security, Data Science, Big Data, Internet of Things (IoT), Cloud Computing, Augmented Reality, Virtual Reality, Data Mining, NLP, Networking, Block Chain, Edge Computing, Deep Learning, Robotics, Information Security, Human Computer Interaction, Quantum Computing, Mobile Computing, Database Systems, Image Processing, Design of Algorithm, Data Structures, Green Computing, Software Engineering, Software Reliability, Biometrics and other Computer Science related domains.

## About the College

Vasireddy Venkatadri Institute of Technology (VVIT) was established in the year 2007, with an intake of 240 students in four B. Tech programs under Social Educational Trust in Nambur village, Guntur, AP, by Mr.Vasireddy Vidya Sagar. It is located strategically between Guntur and Vijayawada in the capital region of Amaravati, AP. In a short span of 15 years, with an annual intake capacity of 1914 and 72 students into B.Tech (CE, EEE, ME, ECE, CSE, IT, CSM, CSO, CIC, AIM and AID) and M. Tech (CSE, VLSI&ES, PEED, MD, SE) programmes respectively, today more than 6000 students, 345 teaching staff and 225 non-teaching staff strive to fulfil the vision of VVIT.

In tune with the commitment, setting itself a benchmark as very best in terms of education, extracurricular activities and placements, VVIT has emerged as one of the top ten Engineering Colleges from the 200 engineering colleges affiliated to JNTU Kakinada. The subsequent years saw the

inception of B.Tech & M.Tech programmes and signing of MoUs with Industry and Training & Placement Companies like Infosys, Tech Mahindra, Social Agro, Efftronics, AMCAT and Cocubes. In 2014, VVIT was recognised as the nodal centre for skill development programmes of APSSDC, Govt. of AP. The institute also has tie-ups with premier institutes like ISB to develop Entrepreneurial skills of the students.

Centre of Excellence (CoE) by Siemens India was established in the year 2016 under MoU with APSSDC, AP to promote Industry Institute interface and strengthen employability skills in students. It is the youngest Engineering College in the state to achieve this recognition. MoUs with Google Inc. USA for establishing Google Code labs, University Innovative Fellowship (UIF) program by Stanford University USA and Venture Development Centre established by Northeastern University, Boston signify our commitment to quality technical education where VVIT is lauded by the press as the first institution in the state to seal the agreements. Students are encouraged to become members in professional bodies like CSI, IEEE, IE(I), ISTE, ASME, ASCE etc. and organize seminars, workshops, colloquies as Student Chapters in the college.

On achieving permanent affiliation to JNTUK, Kakinada, NAAC "A" grade certification (CGPA 3.09) and B.Tech programmes (CE, EEE, ME, ECE, CSE, IT) accredited by NBA, VVIT has set its sight on centrally funded research projects with 10 completed and 6 running DST projects and consultancy service from other departments. VVIT as part of its commitment to research, has published 13 patents, 16 books and nearly 690 journal papers and also has a 'Research Centre affiliated to JNTUK'.

Apart from the departmental libraries, a central library with student book bank for all students with access to e-journals, DELNET, NPTEL and IUCEE caters to the academic and research needs of the students. In-House Placement Training team, absolute discipline, air-conditioned classrooms, seminar halls, multimodal teaching methodology, campus placement training, caring teachers, committed support staff, proactive managing committee, vigilant security, homely hostels, a dedicated canteen to serve hygienic and nutritious food, 1Gbps dedicated lines for seamless internet

connectivity, a 100 KW rooftop grid tied solar plant to supply green power, a fleet of 70 buses to extend glitchless transport facility, a mineral water plant, 250KVA and 80KVA generators, indoor sports arena and outdoor grounds with a 400 m athletic track make VVIT a uniquely different professional college in this region. Student Activity Council (SAC) is a very active student body on the campus that runs students clubs culminating in organizing annual Intercollegiate and Inter-University Cultural and Sporting Competitions under the banner VIVA-VVIT. Volunteering for NCC and NSS wings of the college and SAC forum gives desired opportunities for our students to interact with students from other colleges, community and develop life skills, social responsibility and professional ethical values.

Realizing the slogan that "Everyone Counts," VVIT has the unique achievement of having placed most its students in MNCs like Tech Mahindra, Infosys, TCS, Wipro, Athena Health Care, Open Text, Genpact, Sutherlands, CSS Corp, Convergys, Apps Associates, etc. (almost 50 companies) every year.

## About the Department

Department of Computer Science and Engineering has been successfully functioning since 2007. It offers B.Tech (Computer Science and Engineering) and M.Tech (Computer Science and Engineering). Department is offering Minor in CSE also for the aspiring non-computer science branch students. Department has been conferred by JNTUK with University sponsored Research Centre for Computer Science and Engineering budding researchers.

Department of CSE actively involved in interaction with leading technology domain Training & Development Industries. Department of CSE under VVIT, signed pacts in the form of MoUs with Google Code Labs, Infosys (Campus Connect), Microsoft (Campus Agreement), TechMahindra, SphereMe, InetSolv, Infosys-Spring Board, Solete, Virtusa and V-Technologies etc. It organizes Symposia, Exhibitions, Conferences, Seminars and Workshops for both students and faculty belonging to various Institutions & Research Centres across the Telugu states often.

The Department comprises of 5 fully Air Conditioned Computer Centres with 296 systems, state of the art computing facilities with sufficient power supply backup. Department hosts an Industry Sponsored Embedded AI/DL Lab, for aspiring students and faculty across the institute, for practicing their models on accelerated computing IoT kits. Our students are placed in various top MNCs like Infosys, IBM, Tech Mahindra, Accenture, Mind Tree, Samsung R&D, Amazon, DBS, EPAM, PhonePay, BNY Melon etc., for deserving & esteemed packages ranging from 2.4 Lakhs to 28 Lakhs per Annum.

The Department of CSE takes care of Software & Hardware requirements of the entire Institute. The strength of the CSE Department is its Alumni, which adds a good amount of perception rating to the institute and department by being most illustrious. Department is committed to encourage students/researchers to carry out innovative research in the field of Computer Science & Engineering, keeping excellence in focus and deliver quality services to match the needs of the technical education system, industry and society. Department of CSE, INF and its allied are harbouring ACM General and ACM Women chapters in the institute, to inculcate professionalism in students via weekly thick activities.

Students of CSE department are motivated to be innovative in their thinking while being strong in the Computer Science Core Knowledge. The department of CSE in specific and VVIT in general is committed to the all-round development of its students. In this regard, Google Developer Club, CISCO and UIPath campus student bodies are established which are led by certified campus student ambassadors. Faculty of CSE are always dedicated and devoted towards the comprehensive development of their students by training them physically through enough sports & games; psychologically through technical competitions globally. The department of CSE as a whole aim at the development of Ace Computer Science Engineering Professionals with ethical values & civic sense.

### Chief Patrons

Sri Vasireddy Vidya Sagar, Chairman, VVIT

### Patrons

Sri S.Badari Prasad, Secretary

Sri M Sri Krishna, Jt. Secretary

Sri Mahadev Vasireddy, Vice Chairman

Dr.Y.Mallikarjuna Reddy, Principal, VVIT

Dr. K.Giri Babu, Dean (Academics)

Dr. N.Kumara Swamy, Dean (Admin)

Dr. K.Satyanarayana, Dean (Finance)

### Resource Persons

- Mr.Priyatham Bollimpalli, Senior ML Applied Scientist, Microsoft Corporation, Remond, USA.
- Mr.Peda Venki Pola, Founder, OneShot AI, San Francisco, USA.
- Mr.Siva Kishore Vadugu, Technical Architect, Infosys, Germany.
- Mr.Deepak Gupta, Founding Director, TUP Make Prosol Pvt. Ltd., Singapore.
- Mr. M.Vijay Bhaskar Security Architect, LTI Mindtree, Hartford, USA
- Mr.Durga Prasad Bhupathi, Senior Applications Engineer, u-blox Cambridge Ltd, Cambourne Business Park, UK.
- Chalamalasetti Pavan Founder & CEO, Datavalley, London, UK.
- Dr.Vimal Kumar Stephen.K, Professor, College of Computing and Information Sciences, University of Applied Sciences and Technology, Ibra, Sultanate of Oman.

# VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY

(An Autonomous Institution permanently affiliated to JNTUK - Approved by AICTE New Delhi - Accredited by NBA - NAAC with 'A' Grade - ISO9001:2008 Certified)

**Nambur-522508, Guntur, AP, India**

## International Conference on Advanced Computing Technologies (ICACT-2024)

**4<sup>th</sup> to 5<sup>th</sup> November 2024**

**URL:**

**[https://vvitguntur.com/images/Department\\_Pages/CSE/conf/](https://vvitguntur.com/images/Department_Pages/CSE/conf/)**

**Organized by  
Department of  
Computer Science & Engineering**



**Sponsors:**

**VIVA-VVIT Institutions  
Nambur, AP, India**

## Organizing Committee

- Dr.A.Kalavathi, HoD, IT
- Dr.K.Suresh Babu, HoD, AI & ML
- Dr.T.Sudhir, HoD, AI & DS
- Dr. M.R.N.Tagore, HoD, CSE (Cyber Security & Blockchain)
- Dr.Ch.V.Suresh, HoD, CSE (IOT)

## Conference Chair & Convener

Dr. V.Rama Chandran  
HoD & Professor, Dept. of CSE  
Vasireddy Venkatadri Institute of Technology, Nambur,  
AP, India.  
Mobile: +91-9441410285  
Email: vrc.bhatt@vvit.net

## Co-convener

Dr.T.S.Ravi Kiran, HoD & Associate Professor  
Dept. of Computer Science  
P.B.Siddhartha College of Arts & Science,  
Vijayawada, AP, India.  
Email: tsravikiran@pbsiddhartha.ac.in  
Mobile Number: +91-9441176980

## Submission of Article

### Guidelines:

- Submit Research Article to **Email: icact2024@gmail.com** on or before **15<sup>th</sup> October 2024**
- All accepted papers will be published in the conference proceedings with **ISBN 978-81-977391-1-8**
- **DOI** will be provided for Conference Proceedings.
- Article plagiarism should not exceed **25%**.
- Research articles should be presented in **IEEE** format.
- Only two co-authors permitted with corresponding author in the conference proceedings.
- Registration fee with publication: **INR 500/-** (Five Hundred Only) - Per Article

- Some of the selected articles will be published in any of the journal under **i-manager publications** and the plagiarism has to be below **20%**.

## Conference Dates

4<sup>th</sup> to 5<sup>th</sup> November 2024

## Venue

Vasireddy Venkatadri Institute of Technology, Nambur,  
AP, India

## Registration

- Spot Registration

## Registration Fee

- Registration fee with Publication: INR 500/- (Five Hundred Only)
- For participation: INR 200/- (Two Hundred Only)

## Who can attend?

The faculty members, research scholars & U.G & P.G students in Computer Science and Engineering and allied branches including Information Technology and or related fields. It is useful for all other disciplines too. Those who are interested can fill out the form and register.

## Student Coordinators

1. B.Soma Dinish  
Mobile: 93463 61499
2. M.Revanth Sai  
Mobile: 63024 15703

## SCHEDULE

### Day 1 - 4<sup>th</sup> November 2024

10 AM to 11 AM	Inauguration
11 AM to 12 Noon	Session by Mr.Priyatham Bollimpalli
12 Noon to 1 PM	Session by Mr. Peda Venki Pola
1 PM to 2 PM	Lunch
2 PM to 3 PM	Session by Mr.Siva Kishore Vadugu
3 PM to 4 PM	Session by Mr.Deepak Gupta

### Day 2 - 5<sup>th</sup> November 2024

9 AM to 10 AM	Session by Mr. M.Vijay Bhaskar
10 AM to 11 AM	Session by Mr. M.Vijay Bhaskar
11 AM to 12 Noon	Session by Mr.Durga Prasad Bhupathi
12 Noon to 1 PM	Session by Chalamalasetti Pavan
1 PM to 2 PM	Lunch
2 PM to 3 PM	Dr.Vimal Kumar Stephen.K
3 PM to 4 PM	Valedictory