Vision of the Institution

To develop into a reputed Institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through intellectual, cultural and ethical efforts with human values.

To foster Scientific Temper in promoting the world class professional and technical expertise.

Mission of the Institution

To create state-of-the-art infrastructural facilities for optimization of knowledge acquisition.

To nurture the students holistically and make them competent to excel in the global scenario.

To promote R&D and Consultancy through strong Industry-Institute Interaction to address the societal problems.
Dear Students, Our education system is a mirror that reflects our society. It is an agent of social change and should aim at drawing out the best in our students to make them conscious about their rights, duties and obligations as responsible citizens of our great nation.

We at VJIT believe that education is the most important aspect of growth to prepare the future leaders and productive citizens of the world. The dynamism of the young talent blooming in our garden is being tapped; the skills and the potentialities of our students are being mined out and fashioned for a brighter tomorrow.

VJIT has strived to achieve a major milestone, moving towards the space. Our technically skilled students took up the challenges in building the Nano Satellite, by being a part of the Satellite Program Nambisat. The excellently growing numbers in placements and the increase in the number of reputed recruiting companies is a prestigious achievement of our teamwork.

As an institute focusing on providing holistic and quality education, we believe in setting up unique processes and methods which gear us up towards competency and confidence building with a positive attitude among our students. Besides intellectual input, we rigorously assimilate new practices with adequate stress laid on inculcating the traits of leadership and team spirit to facilitate students to realize their full potential. At this juncture, I would like to acknowledge and extend my heartfelt gratitude to all those who have made significant contributions to lead VJIT into one of the premier institutions of the nation.
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VJIT Team

Dear Readers

Develop the needed skill sets:

A skill set is a collection of skills, qualities, and experiences that someone develops through their life and work. Each individual has a different set of skills depending on their interests, natural abilities and personal qualities. Possessing more skills can always help expand an individual’s professional competency. As each skill is different, learning and developing a wide range of skills can help one progress in their endeavors.

A skill set refers to an individual’s range of abilities and skills that they can apply to acquire and perform a job well. These can include both personal and professional skills. Taking the time to understand our skills and develop & improve them can help achieve both personal and professional.

Improving one’s professional skill sets facilitates professional growth, results in higher productivity and provides them with a competitive edge. The right set of skills can help in growing in their domain expertise and professional career. Possessing a wide range of skills can set them high and apart from others. The ability to use different skills in technology, tools, software helps in increasing their productivity while enhancing their occupational advancement. Most importantly both personal and professional skills gives a competitive edge over their competitors.

Sree Devi Jasti
activities
VJIT NSS CELL ACTIVITIES

VJIT NSS Volunteer at Republic Day Parade-2023, New Delhi
VJIT NSS Volunteer at Republic Day Parade-2023, New Delhi

VJIT NSS Volunteer Has Participated in 26TH NATIONAL YOUTH FESTIVAL –DHARWAD KARNATAKA 12th to 16th January 2023

VJIT NSS Organized Blood Donation Camp on 25th February 2023

Women Empowerment Cell Organized Health Camp for the Ladies of Aziznagar Village, Moinabad.
DEPARTMENTAL

activities
CSE ACHIEVEMENTS

- Dr. Aruna Kumari, Professors & HOD received two-year RCI DRDO founded project “Mobile hardening using software & hardware” Grant of Rs. 10 Lakhs.
- Dr. Ramesh Babu, Professor “Design and Development of Routing Protocols for Cognitive Wireless Sensor Networks Using Neural Networks” was selected under collaborative research scheme TEQIP-III at JNTUH, with Research Grant of Rs: 2,75,000.
- Institute Innovation Council granted funding of Rs. 2,15,000 for IV B.Tech students for “Monstograin”
- Dr. N Anusha, Professor CSE Received Certificate of Appreciation from “Youth for Social Impact” held during Oct-Nov 2022 by TSIC, Inqui-lab foundation, and UNICEF.
- Scopus journal - Students of IV CSE Sai keerthi Pyata, M Ramakrishna Reddy, M Rishith ignacioius and A Ramesh has published the paper entitled “Farm to Home: an E-Commerce application for farmers and consumers” in International Conference ICACIA-2023 at KLH and will be published in Scopus Journal by CRC press.
- Ginna Srilekha, completed B.Tech CSE with 9.45 CGPA-I Academic topper
- N Ruchika Reddy, 2nd year CSE student selected for “Youth Pravasi Bharatiya Divas” 2023 under ministry of Youth Affairs and Sports Goli.
- K Mahesh, 3 rd Year CSE and Team Won the First Prize in Volleyball in 6 th National Games 2023 at Haryana.
- Best Presentation award to CSE students Mohammad Ghouse, Huzaifa Moinuddin at National level event “Ideathon-2k22” organized by Kalam institute of YouthExcellence.
- Sapan Raj Mathur & Team, have won in Smart India Hackathon -2022 under Student Innovation and awarded with 1 lakh cash prize.
- Y. Surya Teja, selected as Microsoft Student Ambassador 2022.
- Sai Yuva Teja, selected for CISCO with a package of 15 LPA 2022.
- Six students of CSE are selected in EPAM with a 12 LPA package under Center of Excellence.
- D Deekshitha of CSE placed in IBM with a 11.5 LPA package.
- Gowthami Takur, placed in HSBC with a 9 LPA package.
Seminar on Exciting Career Opportunities through Emerging Technologies
Speaker: Ms. Shilpa Bansal
9th January, 2023
E-Block
Faculty Organisers: Mrs. Ch. Swetha, Ms. K. Ninsha

Ms. Shilpa Bansal, an educationist with a B.Tech from NIT Calicut, with 20 years of experience, gave guidelines on Career Opportunities through Emerging Technologies to the B.Tech 2nd and 3rd year students of AI Department. She gave important notes on Aptitude and soft skills. She delivered important keynotes on various opportunities through AIML, Data Science and other Emerging Technologies. The session has helped the students to choose their career in a proper way and prepare a roadmap for their paths to reach their destination.

RANGOLI-2023: 12th Jan 2023

A vibrant Rangoli was created by the faculty of the Department of Artificial Intelligence to mark the occasion of Sankranti festival. The rangoli featured a beautiful mix of colours and patterns, showcasing various traditional designs associated with the festival. The faculty members were pleased with the students’ efforts in creating such a wonderful piece of art that added to the festive spirit of the college. The rangoli served as a visual reminder of the rich cultural heritage of India, and it was greatly appreciated by everyone who saw it.

The Department of Artificial Intelligence is ecstatic to have won the rangoli competition. The team has showcased the creativity and talent in such a beautiful and traditional art form.
09-10 January, 2023

Students of the AI Department who were working on Payload and Mission Management and few students working on different subsystems of the satellite and students of Anurag University were taken for the Industrial visit to NRSC Outreach at Jeedimetla Campus in Hyderabad on 29th April 2022. During their visit, the students were given lectures, showed videos relevant to the space programme and visited the facility’s exhibits. The students learned about Remote Sensing, several ISRO’s centers in India and their importance, ISRO’s Satellites, and Space-based Applications.

V Sri Datta Bharadwaj, M. Yagnesh stood in 1ST position for Designing of Drone for capturing of VJIT and analysing its live video using deep learning framework

Tejaswi Sattarshetty, Y. Keerthi Chowdary, Zaib Nayeem Unnisa stood in 2nd position for idea of sign language detection using ML
SCIENCE FAIR: 10th Jan, 2023

"The best way to inspire children to learn about science is by providing them with hands-on experience." - Neil deGrasse Tyson

The main objective of the science fair was to create an environment that promotes science education and encourages young minds to explore the wonders of science. The fair was educational and fun, with hands-on experiments and interactive displays. The students patiently explained scientific concepts to the children, who were encouraged to ask questions and explore different concepts. The fair was well-organised and a huge success, providing a great platform for young minds to learn about science and the world around them. The schools which visited the Science Fair includes: Sujatha School, Moinabad, Sloka, The Hyderabad Waldorf School, Govt Primary School, Hyderabad Islamic School.
2 days Hands - On session on NLP : 28th Jan, 2023
Speaker: Dr. N. V. Ganapathi Raju

A 2 days Hands - On session on NLP a workshop organised by AI department for encouraging the students who are interested in the field of NLP by Dr. A. Obulesh, HoD of Dept. of Artificial intelligence. The main motive of organising the workshop is to explore the field of NLP and contribute projects from the department of Artificial intelligence to the institute. The speaker Dr. N. V. Ganapathi Raju, HoD of Information Technology dept in Gokaraju Rangaraju Institute of Engineering, Hyderabad, Telangana and M.Tech from Andhra university in computer science and technology, PhD from JNTUK, Kakinada in Computer Science Engineering made the student more interactive, energetic and enthusiastic throughout the session, every participant over there have learnt with joy. Most importantly, students felt happy that he gave many suggestions in doing their project further.

Dr. A. Obulesh presenting the certificate of participation in ML workshop

CMR Management Facilitated Dr. A. Obulesh for sharing his knowledge and upskilled students
PHOENIX-2023: Feb 2023

A sports competition as part of phoenix was recently conducted in Virya Jyothi Institute of Technology, which saw enthusiastic participation from students across different departments. The event featured various outdoor and indoor games, including cricket, football, badminton, chess, and carrom. The competition was conducted over several days, and the students displayed impressive sportsmanship and teamwork throughout the event. The winners were awarded medals and certificates, while all participants received appreciation for their efforts. The sports competition was a great success, not only in promoting physical fitness but also in fostering a sense of healthy competition and camaraderie among the students.
National Level Hackathon at Anurag University : 24th and 25th February 2023

An opportunity for the students by Aurag university on conducting the AU Elite Hackathon-2023 at National Level. We the Department of Artificial Intelligence always encourages the AI aspirants in participating various technical programs to expand and explore.

Active participation of AI at AU Elite Hackathon-2023

Students are elated to give feedback on participating in the event and a student shared his experience

Workshop on Designing of Machine Learning models from start to end Hands-on-session
At Sphoorthi Engineering college : Speaker : Dr. A. Obulesh : 20th February 2023

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A technical fest is a platform where students get to showcase their technical expertise and creativity in different fields.

The Department of AI hosted 6 events in which 4 are technical (Dream Tech, Blind Code, Find-Fit-Finish, Cray Chaps) and 2 are non-technical (The Raffle and Bomb in the city). The technical fest had an overwhelming response from the students. The participants came from various disciplines, such as computer science, electronics, mechanical engineering, and so on. The Department of Artificial Intelligence conducted six technical events for the Udbhav, 2023. The event was an opportunity for the students to gain valuable experience in technical presentations, communication skills, and teamwork. The event also encouraged innovation and creativity among the students, as they explored new ideas.
National Level Conference - ICCIDE 2023: 6th January 2023, VJIT

The ICCIDE 2023 conference centered around "Innovations in Computational Intelligence and Data Engineering." Dr. A. Obulesh participated in Panel discussion in ICCIDE International Conference -2023. Srikari attended the ICCIDE 2023 conference centered around "Innovations in Computational Intelligence and Data Engineering." Throughout the event, she participated in several sessions and presentations covering machine learning, natural language processing, and big data analytics. She found these interactions invaluable and believes they will lead to future opportunities for collaboration and learning.

Overall, Srikari found the ICCIDE 2023 conference to be an incredibly informative and engaging experience. Srikari says she looks forward to attending future conferences in the field and continuing to expand her knowledge and expertise in computational intelligence and data engineering.

Srikari presenting her Research paper
"Yet Another Log Parser - Effective System For Pattern Recognition and Parsing Large Log Files" at ICCIDE 2023.

27th February to 4th March 2023
Anurag University
Speaker: Dr. A. Obulesh

ONE WEEK FDP PROGRAMME (HYBRID MODE):
ARTIFICIAL INTELLIGENCE IN PHARMACEUTICAL RESEARCH AND DRUG DEVELOPMENT

The use of artificial intelligence (AI) has been increasing in various sectors of society, particularly in the field of pharmaceutical industry. FDP is aimed in imparting knowledge and training on the various aspects of Advances of Artificial Intelligence and its Implication in research & Healthcare System. The Experts were drawn from various reputed academic, research and Industry, who will deliver the latest trends and innovations in pharmaceutical research utilizing Artificial intelligence as on computational tools. The outcomes of the program will aid faculty members, research scholars, students who are intended to pursue their higher education and research in the field of data analysis & machine learning. Dr. A. Obulesh, Associate Professor and Head AI, Vidyajyothi Institute of Technology has served as Resource Person for the workshop given insights of FDP.

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Civil Engineering department students celebrated fresher’s day “CEMEISTA” on 24th December 2022, event was started by the dignitaries Dr. Sai Baba Reddy, Director of VJIT, Dr. Pallavi Badry, HOD, Dept. of Civil Engineering. Further the event entered with lots of enjoyment singing, dancing, group dancing group singing, dramas etc. All the students had participated and made the event successful.

Memorandum of Understanding

The Memorandum of understanding between Vidya Jyothi Institute of Technology, Department of Civil Engineering and Dr. Fixit Training institute signed for training the students, faculty members, Technical Assistants, Professionals for waterproofing and repair works. The main objective of the MOU is to establishing Resource Training Centre for technology demonstration for practical understanding and experience. The Technical seminars, workshops, conferences, and training programmes for professionals Engineers, Consultants and Architects associated working with the Construction Industry. The department of Civil Engineering is going to organize INDO- AFRICAN Conference Series Two- day International Conference on Advancements in Construction Materials (ICACM 2023) on April 28th – 29th 2023. On that occasion the team members released the International Conference Brochure.
Seminar on Distresses Vis-À-Vis Durability of Concrete

The Department of Civil Engineering, Vidyajyothi Institute of Technology along with Dr. Fixit institute organized a Seminar on Distresses Vis-À-Vis Durability of Concrete on 07th January 2023. The objective of the seminar was the Detection of Concrete, Water Proofing, Shrinkage and Durability of Concrete.

Concrete Engineer Award

Dr. Sudharsan, Professor, Civil Engineering department, received Outstanding Young Concrete Engineer award in Telangana for 2022 by Indian Concrete Institute, Hyderabad Centre.

National Integration Camp 2023

Civil Engineering department second year UG student Ms. Y. Arusha has selected for the National Integration Camp 2023, Dharwad, Karnataka from 22nd to 28th February.
DEPARTMENT OF CIVIL ENGINEERING

Paper Presentation
Ms. Keerthana Reddy and Mr. Pawar Pruthvi raj, Mr. Rahul and Mr. Vikesh received merit certificate for paper presentation from CBIT college 2023 ld.

SPORTS BEST STUDENT AWARD CEREMONY 2017 to 2023

Student award
Mr. Vishal, 2nd year UG student Received Sports Best Student award for Telangana in Volleyball, Organized by Government of Telangana 2023.

TECHNICAL TALK
A Technical talk was conducted by Civil Engineering Department, VJIT in association with ICI & IGS student chapter on 24th Feb 2023, by the speaker Dr. Hari Prasad, Associate Professor, Civil Engineering Dept. in Mahindra University, Hyderabad. The session is informative about the experiments conducted to know the properties of soil like core cutter method and sand replacement method and the NDT devices that can be used to know the properties of soil like Ground Penetrating Test were clearly explained by the speaker in the session. Applications of compaction and tests conducted, and reasons behind the failure of roads and pathways due to improper compaction were acknowledged by the speaker in the session which was informative. The session ended with engaging information which was gained by final year students.
PROFESSIONAL CHAPTERS

1. IIW ...Indian Institute of Welding organised online mode a guest lecture on modern joining techniques by Dr. Mastanaiah Scientists DRDL Hyderbad on 23-1-2023
2. IEOM... Industrial Engineering and Operations Management has organised a quiz program to the final year students on "techniques for better performance in Industrial Engineering on 6-2-2023"
CONTRIVE 2k-23 : 10- 11th JAN 2023

A Team of III Year EEE secured second place in Contrive-2k23 (Project Expo) for Pole Climbing Robo.

The main aim of the project is to design RF controlled electric pole climbing robot, for giving tools to the electric line man. We send required signal using transmitter, receiver receives the signal and send it to microcontroller.

Microcontroller manipulates the signal and provides output which acts as input to the motor drive. Motor drive commands the robot to move in a specified direction.

CONTRIVE 2k-23 : 10- 11th JAN 2023

A Team of III Year EEE secured second place in Contrive-2k23 (Project Expo) for ASRO

A Rover specifically designed for polyhouse which maps the whole field in between the bidding lanes and collects all the growth defining parameters like soil moisture, temperature and humidity inside the polyhouse and displays the real time data in an app-based environment with which the predictions are formulated in the form of tasks by following these, farmers can get maximum yield. Along with that rover designed is capable of pest and disease detection, when any kind of pest or disease is detected, the farmer is notified in the app for proper diagnosis of crop.

Two weeks hands-on training on EV Technology and Manufacturing 15-02-23, at E Block Auditorium VJIT

Inaugural Session of a Two-week, Hands-on training program on EV Technology & manufacturing was conducted in Ebblock auditorium.

Director sir, principal madam, heads of various departments, Jyothi Ranajansingh deputy manager sky rider Institution were present.
Paper Publications

The VJIT IQAC of Vidya Jyothi Institute of Technology has organized a Two Day National Seminar funded by NAAC on “The Role of HEI’s in Implementation of National Education Policy (NEP) - 2020 For Enhancing The Teaching-Learning and Assessment Processes” on 20th and 21st January, 2023.

The program witnessed stalwart speakers who professed on the NEP - 2020 policy. They expressed that NEP 2020 is a major reform and that the required education shall focus on the needs and interests of the learners. The deliberations touched upon the challenges that shall persist for Higher Education Institutions to implement this policy in true spirit. The Various approaches for effective Teaching-Learning Processes and Assessment Processes were discussed. The Chief Guest and Keynote speaker Dr. G. K. Viswanadh, Professor and Director, UGC-HRDC, Civil Engineering elaborated on empowering youth towards Self Sustainability and multi Disciplinary Learning.

The Director Dr. E. Saiababa Reddy, Principal Dr. A. Padmaja, Academic Coordinator Mrs. Srilatha, Sr. A. O. Mr Venkatachalum, IQAC Coordinator and Convener of the Seminar Dr. P. Sarah, HoD’s of all Departments have graced the event. Faculty members and delegates from various colleges actively participated in all the sessions held by various distinguished speakers in the seminar with enthusiasm.
NATIONAL YOUTH DAY REPORT : 12th January, 2023

Principal Dr. A. Padmaja and HoD’s paid tributes to Swami Vivekananda.

Later, Director Dr. E. Sai Baba Reddy made a speech and reiterated on the values and morals preached by Swami Vivekananda and highlighted that the youth, if follows the path shown by him would lead happy, healthy and successful life. The following Literary and Cultural competitions were held at our campus in memory of Swami Vivekananda.

1. E-Essay Writing
   
   Topic: “Role of Indian Youth in Development, Skill and Harmony (500 Words)”

2. Extempore

3. Poster Presentation

4. Theme: “Together We Win”

5. Folk Dance Competition
Parent Teacher Meet - 2023
4th February 2023

The Department of Humanities and Sciences organized the ‘Parent Teacher Meet -2023’ on 4th February 2023, for the first year students. The focus was to share academic progress based on assessments, assignments, classroom observations and to discuss enrichment or intervention strategies to support students’ learning and help promote positive outcomes. Parents expressed their appreciation for the excellent contribution of Faculty, Mentors and Heads of H&S.

Maths Club – SANKHYAAN
Feb 2nd, 2023

On the occasion of National Mathematics Day (Srinivasa Ramanujan Ayyangar’s Birth Day) "SANKHYAAN", the Mathematics club of VJIT is organizing the events Paper presentation and Quiz. The theme of the events is “Mathematics and Applications”.
Breaking Barriers: Bridging the Gender Gap in Technology

Sphoorthi Madutha
21911A3599
Al-Dept

Historically, women have been underrepresented in the technology industry. During the early days of computing, women played a significant role in the field, working as programmers, engineers, and mathematicians. However, as the industry grew and became more lucrative, women began to be excluded from the field. According to recent statistics, women make up only around 25% of the technology workforce, with even lower representation in technical and leadership roles. There are many factors that contribute to this gender gap, including biases and stereotypes that discourage women from pursuing tech careers, a lack of access to STEM education and mentorship opportunities, and a workplace culture that is often unwelcoming to women.

Bridging the gender gap in technology is a complex issue that requires a multifaceted approach. To address this issue, we need to encourage girls and women to pursue tech careers, promote diversity and inclusion policies, address biases and stereotypes, support and empower women in tech, create community and advocacy groups, and address harassment and discrimination in the workplace. By implementing these solutions, we can work towards creating a more equitable and inclusive industry that reflects the diverse perspectives and experiences of society. It will require a collective effort from individuals, organizations, and the industry as a whole, but the potential benefits of a more diverse and inclusive tech industry are significant and far-reaching.

What is the need to bridge the gender gap in technology?

Gender diversity in technology can lead to more innovative and effective problem-solving. Diverse perspectives and experiences can bring new ideas and solutions to the table, leading to better outcomes and products.

Promoting gender equality and diversity in technology is a matter of social justice and equity. By ensuring that everyone has equal opportunities to succeed and thrive in the tech industry, we can create a more just and fair society.

Bridging the gender gap in technology is essential for creating a more inclusive and representative industry. The tech industry should reflect the diversity of society and provide equal opportunities for all. This will lead to a stronger, more innovative, and prosperous industry that benefits everyone.
The first step to resisting distraction is to master the internal triggers, the psychological factors that urge you to do things other than going to bed. Distraction is less about the distracting thing itself, and more about how we respond to it. Distractions overwhelmingly start from within. Unless we deal with the internal causes, we’ll continue to find ways to distract ourselves.

Why do we stay up late even when our bodies beg us to go to sleep?

One common internal trigger of nighttime distraction is known as, “revenge procrastination.” This crazy phenomenon occurs when, despite feeling tired, we watch just one more episode on television or read one more chapter of a good book. The theory goes that we do this when we don’t feel in control in one area of our lives, we try to make ourselves feel better by asserting control in a different area of our lives.

Suppose you’re not feeling in control at work, or with your family, or in your romantic relationship. Still, no one’s stopping you from surfing the web at 9 pm, or binge-watching a TV series, or checking your email. So, to compensate for feeling out of control in other areas of your life, it feels good to do what you feel like doing right now.

There are only two solutions: you need to change the degree of control you have in other areas of your life, and/or find a healthier way of managing the way you feel about lacking control.

When it comes to the latter, we can cope with lack of control by reflecting on, rather than reacting to, our discomfort. Instead of fighting the urge to stay up late using sheer force of will, take these steps:

Look for the discomfort that precedes the urge and focus on the internal trigger.

Write down the trigger.

Explore your negative sensations with curiosity instead of contempt. Have techniques ready to use to disarm the internal triggers in a healthy way, rather than trying to escape them with distraction.
Come

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Let us cartwheel month to month.

Cartwheel
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