

VISION

To produce technically competent engineers having innovative skills, positive attitude, leadership and professional ethics, with a focus on developing sustainable and new technology.

MISSION

- Create a conducive environment for teaching, learning and innovation by providing the state-of-the-art infrastructure.
- Learn sustainable and new technologies through industry institute collaborations.
- Produce technically competent engineers with ethics, discipline and social consciousness through holistic education.

NEWSLETTER

Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

JAN - JUN 2024 | ISSUE - 22



Peer committee along with Principal, Dean Academics and Management



Chief Guest Mr. Tandava Popuri and Dr. T. Venkat Vardhan issuing commendation Certificates to HOD. ECE



Best Project award in project expo-2024



Golden Valley Educational Trust

Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

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A LEADING LIGHT

THE FOUNDER



Late Dr. T. THIMMAIAH, IAS (Retd.)
President Emeritus, GVET
(1927-2014)

Dr. T. Thimmaiah Institute of Technology (Formerly Golden Valley Institute of Technology) was instituted in the year 1986 at Kolar Gold Fields by Dr. T. Thimmaiah. PhD (London) IAS (Retd), as the founder President under the aegis of Golden Valley Educational Trust, with the sole purpose of imparting quality technical education to reach all people, especially the downtrodden. He served as the Southern Regional Council for Technical Education's chairman for six years. Dr. T. Thimmaiah played a key role in approving the establishment of new polytechnic and engineering colleges throughout the southern states of India. He served as the Director of the School of Mines at Kolar Gold Fields and was the Vice President of ISTE for two terms.

He was also the Director of Board of Governors, Regional Engineering College Warangal, Andhra Pradesh.

He was a member of the Joint Board of Mining Education in New Delhi as well as the Advisory Committee of the Regional Engineering College in Calicut, Kerala. Dr. T. Thimmaiah was also a Member, Board of Management of BGML at K.G.F. and was responsible for the development of in-house expertise in mine management. He previously held the positions of Deputy Commissioner for the Shimoga District and Additional Secretary for the Government of Karnataka's Department of Agriculture and Horticulture. In recognition of his remarkable contributions to the field of education in 2010, the International Peace and Integrity Society gave him the "Priyadarshini Indira Gandhi Achievement Award 2011" He had the vision and desire of achieving a Deemed University status for the GVET institutions at Kolar Gold Fields.

ABOUT OUR PRESIDENT



Dr. T. VENKAT VARDHAN
President, GVET

Dr. T. Venkat Vardhan began his professional life in the late 1980s with the visionary of conducting massive live events equal to those in foreign markets. This gradually prepared the way for everything the business he built, DNA Entertainment Networks Pvt Ltd, stands for today: enterprise, excellence and innovation. Former National leader and Chief Minister of Karnataka, Late Shri. Kengal Hanumanthaya was the grandfather of Dr. T. Venkat Vardhan. He was well known for his vision and the pivotal role he played for unification of the New Karnataka State. His legacy is cherished by the monumental edifice he built the Vidhana Soudha in Bangalore, the historical landmark.

Dr. T. Venkat Vardhan is the son of Late. Dr. T. Thimmaiah, a legend in the field of education, a former I.A.S officer spent more than 50 years of his life establishing several Educational Institutions in Kolar Gold Fields, to provide high-quality education in the rural areas. Following in his footsteps. Dr T. Venkat Vardhan, President of the Golden Valley Education Trust, continues to assist the colleges under the trust in K G F in growing alongside their Principals. Teachers and most importantly, the students of GVET Institutions.

He has played a pivotal role at the national level by integrating Live Entertainment and sports through media. TV and PR to make it one of the most inspirational and effective marketing tools in India. Today his company

DNA Networks is responsible to over 90 percent of all large live format events that take place in India in music and sports. His work and contribution to the Event Management industry saw him being elevated as the President of the Event Management Association of India under the aegis of Federation of Indian Chambers of Commerce and Industry (FICCI).

He also serves on various National Entertainment Committees representing the live music industry. His company efficiency has been commended by the likes of White House Communication Agency, USA, the Government of Karnataka, the Government of India, Artist Managements and Sport, Leagues in India and Overseas. In recognition of his work in event management, rural education and business, the University of Jerusalem Conferred him with a degree of "**Doctor of Philosophy**".

He received the 2015 Rotary Vocational Excellence award for his contribution to the entertainment industry and societal education. On March 26, 2016 he received recognition for his contributions to hockey and sports at Hockey India Second Annual Award ceremony.

In June 2019, WOW Awards Asia presented our president with a Lifetime Achievement award in recognition of his three decades of work in the event management industry.



PRESIDENT'S MESSAGE

For more than three decades, the Dr. T. Thimmaiah Institute of Technology has supported numerous aspiring young engineers. The institute has evolved due to good infrastructure and dedicated human resources, emphasizing professional education with creativity and innovation. Our focus on outcome-based education offers both technical and life coping skills, equipping students to become contributing members of society. We support our faculty members in engaging in research and innovation.

I congratulate all students who have received job offers through our placement and training cell and thank the staff for their efforts in promoting students' overall development. I am happy to publish the 22nd issue of the newsletter, covering January 2024 to June 2024, and wish all students success in their academic endeavors.

- Dr.T.VENKAT VARDHAN
President, GVET

FROM THE EDITOR'S DESK



Dr. SYED ARIFF
Principal
Chief Editor

With great pride, we present the 22nd issue of the Dr. TTIT newsletter, which covers from January 2024 to June 2024. This newsletter provides an overview of the current activities in our campus, including noteworthy accomplishments by the

teachers and students of the Dr. T. Thimmaiah Institute of Technology. The editorial team expresses sincere gratitude to the GVET President and Management for their support and encouragement.



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Sri. KTA Majeed Invitee



NATIONAL BOARD OF ACCREDITATION (NBA)

It is with immense joy and pride that we announce the accreditation of all three branches - Mining Engineering, Electronics and Communication Engineering, and Computer Science & Engineering streams NBA accreditation for the duration of Three years. This incredible accomplishment is a testament to the unwavering dedication and hard work of each member of our esteemed institution.

We extend our heartfelt gratitude on behalf of President, Management, Principal, and our diligent staff for all their relentless efforts and commitment to excellence. We have reached new heights and set a standard of excellence that truly reflects the spirit of GVET.

We celebrate this momentous occasion and continue our journey towards even greater success.



Visit to Department of computer Science & Engineering



Visit to Department of Electronics & Communication & Engineering



Visit to Department of Mining Engineering



Peer committee along with Principal, Dean Academics and Management



COLLEGE DAY

The college day was celebrated on 29th April 2024. Mr. Tandava Popuri, Senior Director, Dell Technologies was the chief guest. Mr. Tandava Popuri briefed about the technical and interpersonal skills required by the students.

Our President, Dr. Venkat Vardhan, encouraged the students to be innovative, work hard and strive for excellence. Mr. Raoul Vardhan Vice President GVET graced the occasion. The ceremony was welcomed by



Chief Guest Mr. Tandava Popuri and Dr. T. Venkat Vardhan issuing commendation Certificates to HOD. ECE

our principal Dr. Syed Ariff and Vice Principal Dr. H. D. Shenoy proposed the vote of thanks. Trustees, staff and principals of GVET Institutions were present.

During the function commendation certificates were distributed to the faculty members and staff for getting NBA to Computer Science Engineering, Electronics & Communication Engineering and Mining Engineering department. The annual class toppers and sports achievers were awarded.



Annual class toppers of 22-23 with the chief Guest and dignitaries

SIXTH INTERNATIONAL CONFERENCE

The 6th International Conference on Recent Trends in Technology Engineering and Applied Science (ICRTTEAS-2024) was held on May 23rd and 24th, 2024. Various papers were presented on topics including AI, Kidney Cancer Diagnosis, and Prediction of Water Requirement for Mixed Crops using Machine Learning, and many more.

The programme was inaugurated by Dr. Venkat Vardhan, President Golden Valley Education Trust. The Souvenir ICRTTEAS 2024 was released by Dr. Venkat Vardhan, President. The description about ICETTEAS

2024 (Recent Trends on Technology Engineering and Applied Science) was presented by Dr. Jennitha, IQAC head, Dr.TTIT, KGF. The key note address was delivered by International Speaker Mr. Charles Devenish, Chairman, Geomysore, Australian Indian Resource Ltd., Australia, Mr. H L Srinivas, ISRO Scientist (Retired), Bangalore. and Dr Singam Jayanthu, Former, Scientist of CMRI & NIRM, Professor, Department of Mining Engineering, National Institute of Technology, Rourkela, Odisha, India



International Conference Session in progress



PROJECT EXHIBITION – 2024

Final year students of 2024 batch exhibited their projects in the project exhibition organized by Dr. TTIT Institution Innovation Council which was held on 25th



Students of ME and EEE Exhibiting their project on solar tree



Students of ME exhibiting their project on solar tree



Winners of CSE receiving prize

May 2024 in which 60 batches of students exhibited their projects. Cash prizes and certificates were awarded to the winners in each branch.



Students of Civil Engineering exhibiting their project



Winners of Electronic and Communication Engineering



Students of MI exhibiting their project

DEPARTMENT OF MECHANICAL ENGINEERING

FDP/Workshop/Conference Attended

- Prof. Purnesh N attended a Five-Day International Virtual FDP on “Global Conversations in Mechanical Engineering: Bridging Innovation and Sustainability” from 19th to 23rd February 2024 organized by Madanapalle Institute of Technology and Science.
- Prof. Anitha Devi S H attended a Three-Week Virtual Women Entrepreneurship Development Program on “Sustainable & Eco-friendly Products: Digital & E-commerce Businesses” sponsored by NSTEDB, DST, and Gol from 7th to 23rd February 2024.
- Prof. Purnesh N attended a Five-Day Online Workshop on “Multiple Attribute Decision Making Using Analytic Hierarchy Process” from 26th February to 1st March 2024 organized by National Institute of Technology, Mizoram.
- Prof. Purnesh N and Prof. Saravana Prasad R attended a Five-Day Virtual FDP on “Entrepreneurship Management Startup & Technology Readiness Level” from 12th to 16th March 2024 organized by Dr. T Thimmaiah Institute of Technology, KGF.
- Prof. Purnesh N attended a Seven-Day FDP on “Python” from 19th to 25th March 2024 organized by Star International Foundation for Research and Education.
- Prof. Purnesh N attended a One-Week FDP on “Effective Teaching Pedagogy: Strategies for Engaging and Empowering Learners” from 11th to 17th March 2024 organized by the Department of Humanities and Physical Education, CT University, Ludhiana, Punjab.
- Prof. Purnesh N, Assistant Professor participated in a One-Day National Level Faculty Development Programme on “Effective Pathway to Boost the Research Profile of Early-Stage Faculty” organized by the Research and Development Cell, ACE Engineering College, Hyderabad, on 16th April 2024.
- Prof. Purnesh N participated in a One-Day National Level Faculty Development Programme on “Research Paper Writing Using Tools” organized by the Research and Development Cell, ACE Engineering College, Hyderabad, on 10th May 2024.
- Prof. Saravana Prasad R participated in a National Level Webinar on “Unlocking Opportunities: Navigating the NET Exam Journey” on 1st April 2024.
- Prof. Saravana Prasad R and Prof. Purnesh N attended a One-Day Online Webinar on “IPR” on 15th March 2024 organized by the Intellectual Property Office India.
- Prof. Saravana Prasad R participated in a State Level Webinar on “Recent Trends and Techniques of Modernized Research” on 27th March 2024.

- Prof. Saravana Prasad R, Assistant Professor Prof. Purnesh N, participated in a Seven-Day National Level FDP on “Python” organized by the Star International Foundation for Research and Education from 19th to 25th March 2024.

Faculty Achievements

Dr. Manjunatha Babu N S has been selected as a potential peer reviewer under the Research Information Management System (RIMS) – Oman by the University of Technology and Applied Sciences – Salalah for reviewing RG Projects approved by the Ministry of Higher Education and Research Council in the Sultanate of Oman, which initiated a block funding program to support research.

Student Activities

A Five-Day Hands-On Workshop on “Applications of Advanced IoT towards Unleashing Job Opportunities” was conducted for the students of Mechanical Engineering and Electrical Engineering from 19th to 23rd February 2024 in association with GenEd Technologies, Bangalore.

Project Expo 2024

The 8th-semester students participated in Project-Expo 2024 organized by Dr. TTIT IIC on 25th May 2024. The best project award was given for the paper “Evaluation of Performance and Emission of 4 stroke diesel engine using Biodiesel produced by refined sunflower oil heated at three different hours & blended with diesel” presented by Badhrinath R, Merveen D, Praveen V and Vijay. S.



Students exhibiting their projects

DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

FDP / Workshop / Conference Attended

- Prof. Somashekar B attended a two-week online FDP on “Opportunities and Challenges in Entrepreneurship” organized by NSTEDB, GOI, from 3rd January 2024 to 19th January 2024.
- Prof. Somashekar B attended a one-day online FDP on “Power System Design & Analysis Using Digsilent Power Factory Software” organized by Dellsoft on 13th May 2024.
- Prof. Sridevi A, Prof. Dhanalakshmi V, Prof. Jillian Rufus J, and Prof. Ronald Lawrence J attended a five-day FDP on “Outcome-Based Education Teaching-Learning and Assessment Process” from 26th February to 1st March 2024 at Dr. TTIT KGF.
- Prof. Jillian Rufus J and Prof. Daphny Shallet M successfully completed the NPTEL course on “NBA Accreditation and Teaching-Learning in Engineering (NATE).”
- Prof. Jillian Rufus J and Prof. Daphny Shallet M successfully completed the NPTEL course on “Teaching and Learning in Engineering (TALE).”
- Prof. Ronald Lawrence J attended a seven-day National Level online FDP on “Python” from 19th March to 25th March 2024, organized by the Star International Foundation for Research and Education, Namakkal, Tamil Nadu.

Paper Publications

- Prof. Somashekar B published a research paper titled “Design and Implementation of Charging Unit for Maritime Applications” in a Scopus Indexed and Multidisciplinary Journal, ISSN NO-1879:1719, Volume 72, April-June 2024, Page No: 1321-1329.
- Prof. Somashekar B published a research paper titled “Design & Development of Compensation Topologies in WPT Using Mat lab Programming & Mat lab Simulink” in IGI Global Book Series, ISSN NO-1879:1719, Volume 72, April-June 2024, Page No: 1321-1329.

Field Visit

Students of the 4th and 6th Semesters visited **Tata Aerospace Incubation Centre** on **12th June 2024** at **Government ITI, KGF**.



Students visited Tata Aerospace Incubation centre KGF

Student Activities

Organized a Five-Day Hands-on Workshop on “Applications of Advanced IoT towards Unleashing Job Opportunities” for the students of Mechanical Engineering and Electrical Engineering from 19th to 23rd February 2024, in association with GenEd Technologies, Bangalore.



Student participated in five days workshop on Applications of Advanced IOT towards unleashing Job Opportunities

DEPARTMENT OF MINING ENGINEERING

FDP Attended

- Dr. Raja S. attended an FDP on “Result Oriented Teaching” organized by HI LEARN EDUTECH INSTITUTE, Vijayapura, Karnataka, from 5th to 11th January 2024.
- Dr. Manas Mukhopadhyay, Dr. Vijayaraghavan P, Dr. Manjunath A, Dr. Paul Prasanna Kumar, Prof. John Gladiolus, and Dr. Raja S. attended a Five-Day FDP on Outcome-Based Education Teaching-Learning and Assessment Process from 26th February 2024 to 1st March 2024.

Guest Lectures by Faculties and Experts

- Dr. G. R. Adhikari, Former Professor of Mining Engineering, Goa College of Engineering, & Former Scientist, NIRM KGF, delivered a lecture on “BRIDGES: A Systematic Approach to Problem Solving in Blasting” on 21st February 2024.
- Dr. Manjunath A. delivered a lecture on designing the teaching-learning process for OBE during the FDP on Outcome-Based Education Teaching-Learning and Assessment Process at Dr. TTIT KGF from 26th February to 1st March 2024.
- Dr. Raja S., Associate Professor, Department of Mining Engineering, Dr. TTIT, delivered a lecture on “Formulating Course Outcomes Based on Cognitive Domain Using Bloom’s Taxonomy” during the FDP on Outcome-Based Education Teaching-Learning and Assessment Process from 26th February to 1st March 2024.
- Dr. Manas Mukhopadhyay, Professor & Head, Department of Mining Engineering, delivered a lecture on “Designing of Questions vis-à-vis Attainment of COs” during the FDP delivered a lecture on OBE Teaching Learning & Assessment Process from 21st to 1st March 2024.
- Dr. B. P. Ravi, Adviser (Mineral Processing) and Ex-Professor and Head, Mineral Processing Dept., VSK University, Nandihalli, delivered a guest lecture on Mineral Processing for 5th-semester Mining Engineering students from 4th to 7th March 2024.
- Dr. Manas Mukhopadhyay delivered a lecture on “How to Plan for Start-up and Legal & Ethical Steps” on 5th June 2024 at Dr. TTIT.
- Mr. Chandrasekhar C., Blasting Expert, HPCL Underground Cavern at Mangalore, delivered a lecture on “Underground LPG Cavern with Blasting Technique” for Mining Engineering students on 5th April 2024.

Papers Published

- Raja S., Abhishek M., Naveen Balegar B., Kristharaj L., Sudarshan Yeligar G. published a paper on “Prediction of Rockfall from Highwall Slope in an Open Cast Mine” in the Journal of Mines Metals and Fuels, Vol. 72 (2), pp. 147-163, 2024.

- Raja S., Murthy Ch. S. N. published a paper on “Influence of Structural Discontinuity on Slope Stability Using Numerical Modelling and Sirovision” in the Journal of Mines Metals and Fuels, Vol. 72 (1), pp. 53-69, 2024.
- Paul Prasanna Kumar, Partha Sarathi Paul, and Manjunath Ananda published a paper on “Development of LoRa Communication System for Effective Transmission of Data from Underground Coal Mine” in Processes Journal. <https://doi.org/10.3390/pr11061691>

Student Activity Organized

Conducted a “No to Newspapers for Food Packaging and Delivery” awareness initiative on 30th December 2023 as part of the “Swatch Bharat” campaign.



No to Newspapers for Food Packaging and Delivery Awareness Program

Students’ Achievements

Mr. Sanjay, a student of the 8th semester, received NPTEL Discipline Star, Enthusiast Star, and Believer Star certificates of appreciation for the year 2024.

Faculty Achievements



Prof. Paul Prasanna Kumar successfully completed his Ph.D. titled “Development of a Wireless Real-Time Gas Monitoring and Communication System Using IoT for the Safety of Underground Coal Mine Workers” from IIT Dhanbad in 2023.

Dr. Paul Prasanna Kumar, Associate Professor

Consultancy

Dr. Raja S., Associate Professor, and John Gladiolus S., Assistant Professor, provided consultancy on “Design and Optimization of Blast Parameters to Minimize the Blast-Induced Ground Vibration at Injepalli Limestone Mine.” The consultancy was valued at 4.5 Lakhs in January 2024.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Workshops Organized

- National Level Workshop on "Emerging Trends in Computer Science and Engineering" organized in association with the CSI Student Chapter and Institution Innovation Council Cell of Dr. TTIT from 12th February to 16th February 2024.
- National Level Workshop on "Academics and Skills Enhancement Workshop AEW – Feb 24" organized in association with the CSI Student Chapter and Institution Innovation Council Cell of Dr. TTIT from 19th February to 23rd February 2024.
- Student Development Program on "Hands-On Mastery: Deep Dive Into Machine Learning and Deep Learning Techniques" organized in association with the BS Narayan Center of Excellence, BMS College of Engineering, CSI Student Branch, and Institution Innovation Council Cell of Dr. TTIT from 3rd to 7th June 2024.



SDP Inauguration on 3rd June 2024

Paper Presented & Published

- Dr. G. Kharmega Sundararaj presented a paper entitled "An Effective Cognitive Radio Network Based Improved Differential Evolution Optimization in Energy Harvesting Scenarios" at the International Conference on Distributed Computing and Optimization Techniques (ICDCOT-2024) held on 15th and 16th March 2024.
- Dr. G. Kharmega Sundararaj published three papers in the International Journal of Advanced Trends in Engineering and Management (IJATEM) Vol. 3(01), January 2024:
 - "CNN Classification Based on Mobile Net for Malware Detection"
 - "Analysis of Job Site Construction Using Artificial Neural Network"
 - "Heart Disease Prediction Using CNN Based on Deep Learning"
- Dr. Mohamed Kareemulla N R, published a paper entitled "A Comprehensive Approach to a Hybrid Block chain Framework for Multimedia Data Processing and Analysis in IoT-Healthcare" in the Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA), volume 15, issue 2 (June), pages 94-108. DOI: 10.58346/JOWUA.2024.12.007.
- Dr. Mohamed Kareemulla N R published a paper entitled "Diabetic Retinopathy Detection and Classification Using Multi-Head Self Attention Based

Convolution Neural Network" in the International Conference on Distributed Computing and Optimization Techniques (ICDCOT) IEEE Xplore on June 10, 2024. DOI: 10.1109/ICDCOT61034.2024.10516040.

- Dr. Mohamed Kareemulla N R, published a paper entitled "eMRA: A Multi-Objective Resource Allocation Technique using Genetic Algorithms for Cloud Computing," was published in the International Conference on Distributed Computing and Optimization Techniques (ICDCOT) IEEE Xplore on June 10, 2024. DOI: 10.1109/ICDCOT61034.2024.10516192.
- Prof. Shalini G published a paper entitled "A Fine-Tuned MobileNetv2 Based Approach for Weed Classification" in the 9th International Conference on Signal Processing and Communication (ICSC) - IEEE Xplore in February 2024. DOI: <http://dx.doi.org/10.1109/ICSC60394.2023.10441648>, pages 504-509.
- Prof. Sharmila Kumari N published a paper entitled "Securing IoT: Designing a Resilient Probing Route Against Sinkhole Attacks" in the International Conference on Data Science and Exploration in Artificial Intelligence CODE AI 2024 held on July 3rd & 4th, 2024, IEEE Xplore in February 2024.

Patent Filed and Published

- Dr. Geetha C Megharaj and Dr. Jansi Rani filed and published their idea in The Patent Office Journal No. 14/2024 with the title "An Image to Recipe Generation System Using Artificial Intelligence" on 5th April 2024.
- Dr. Jansi Rani and Dr. G. Kharmega Sundararaj filed and published their idea in The Patent Office Journal No. 14/2024 with the title "Development of IRIS Recognition System Using Deep Learning Techniques" on 5th April 2024.

Faculty Achievements

Prof. Thara Devi M was recognized as an educator by Eduskills-Juniper Networks Cloud & Automation Academy for training students on JNCIA – JUNOS.

MOU

Dr. Mohamed Kareemulla N R established a MoU with Infosys Springboard for Single Point of Contact (SPoC).

Faculty Certification Courses

- Dr. Geetha C Megharaj, Dr. Jansi Rani, Dr. Mohamed Kareemulla N R, and Prof. Shalini G completed the course "Teaching and Learning in Engineering (TALE)" for a duration of 4 weeks offered by SWAYAM National Program of Technology Enhanced Learning.
- Dr. Geetha C Megharaj, Dr. Jansi Rani, Dr. Mohamed Kareemulla N R, and Prof. Sudha S completed the course "NBA Accreditation and Teaching-Learning in Engineering (NATE)" for a duration of 12 weeks offered by SWAYAM National Program of Technology Enhanced Learning.
- Dr. Jansi Rani completed the course "Internet of Things (IoT)" for duration of 12 weeks offered by SWAYAM National Program of Technology Enhanced Learning.



Department Club Activities

Technical Club INFINOX was inaugurated on 31st May 2024 by Prof. Rukmani Divakaran, Dean (Academics), and Dr. Geetha C Megharaj, Professor and Head, Department of Computer Science and Engineering, along with all the faculty members and students of the department. The aim of the club is to strengthen student technical skills.



Technical club Inauguration on 31st May 2024.

Technical Activities for Students

6th International Conference on Recent Trends in Technology Engineering and Applied Science (ICRTTEAS-2024) held on 23rd and 24th May 2024. Final year students presented their papers in the conference.

Students Achievements

Winners of ICRTTEAS-2024

- Kavya M K, K B N Naveen Kumar, Kavana R P, and Abhishek of 8th semester presented the paper "Automated Blood Cancer Detection System to Detect Leukemia Using Improved ML Techniques." at Dr. TTIT
- Chandralekha V, Indhu S, Janani J, and Naveena B of 8th semester presented the paper "Prediction of Water Requirements for Mixed Crops Using ML Algorithm." at Dr. TTIT
- Prathiba N V, Shalini G, Sopna K, and Sushmitha of 8th semester presented the paper "An Improved Image Search System to Retrieve the Related Image Based on Input Image Using ML Techniques." at Dr. TTIT

Winners of Project Expo Held on 25th May 2024

First Prize:

- Aruna Shree Chandrashekar and Kavyaanjali of 8th semester demonstrated a project on "An Improved Robotic Power Control System to Automatically Operate CFL, FL, and LED Lamps in Houses for Limiting Electricity Power Utilization Using Improved Machine Learning Concepts."
- Shivaraj Kharatha, Swetha R, Tejas S, and Mithun N S of 8th semester demonstrated a project on "Parametrically Optimized Automated Diagnostic System for Heart Disease Prediction Using Deep Neural Network."

Second Prize

- Harshitha S, Harika R M, Indu Shree, and Navya Shree K S of 8th semester demonstrated a project on "A Robotic Clinical System to Classify Tumor MRI Images Via Improved Machine Learning Techniques."
- Prajeeth S, Prathiksha B, Preethish R, and Samskruthi of 8th semester demonstrated a project on "Automated Fish Illness Detection System Underwater Using ML Techniques."

Third Prize

Tarun Kumar R, Vishal Kiran N, Prasad M, and Steve Ajay J of 8th semester demonstrated a project on "Face Recognition Based Attendance System with Effective Time Approach."



Winners of ICRTTEAS-2024



Winners of Project Expo 2024

Students Certification Courses

- Niharika V, Pooja B, Hasvinie P, Mehak D, Shreeja G, Seshanth N, Bhavana K A, Sushimitha N D (8th semester), Abishek V (5th semester) and Rakshitha (3rd semester) completed course on "Programming in JAVA" 12 Weeks through SWAYAM NPTEL
- Priyadarshini, Vidhusha M, Niharika V, Vishal R, Hasvinie P, Sandhya S (8th semester) Sophia B (5th semester) and Princy S (3rd semester) completed course on "Computer Networks and Internet Protocol". 12 Weeks through SWAYAM NPTEL
- Harshitha G R, Laxmipriya (8th semester) and Bhavani B (3rd semester) completed course on "Introduction to IoT". 12 Weeks through SWAYAM NPTEL
- Hasvinie P (3rd semester) completed course on "Cloud Computing" 12 Weeks through SWAYAM NPTEL
- Pradeep Kumar, Dharshankumar, Manjunatha R, Abishek V, Dhanush M, Pandith (8th semester) Nawin Kumar from (5th semester) and Pooja B from (3rd semester) completed course on "Data Analytics with Python". 12 Weeks through SWAYAM NPTEL
- Lokesh V N (5th semester) completed course on "Introduction to Database Management System". 12 Weeks through SWAYAM NPTEL



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Seminar / Webinar Conducted

Webinar on “Land Restoration Desertification Drought Resistance and Tree Plantation” organized for the students of 6th semester on 19-06-2024. The resource person was Dr. Bharath, Assistant Manager, Environment Engineer, Sustainability Department, RITES Limited (A Government of India Enterprise).



Webinar on “Land Restoration, Desertification, Drought Resistance and Tree Plantation”

Seminar on “Utilization of AI and Cloud computing for Day to Day Applications” organized for the students of 4th semester on 08-06-2024. The resource person was Mrs. Bini Vasudevan (2003 Batch Alumni), Develops Admin, Nvidia Graphics Pvt LTD, Bangalore.



Seminar on “Utilization of AI and Cloud Computing for Day to Day Applications”

Webinar on “Integrity as a Value” organized for the students of 4th semester on 22-05-2024. The resource person was Dr. Gururaj Karajagi, Chairman, and Academy for Creative Teaching, Bangalore.



4th SEM Students attending online webinar on “Integrity as a Value” in Edusat room

FDP/ Workshop / Webinar Attended

- Dr. Jennitha & Dr. Vijaya Geetha organized NITK virtual Lab workshop at Dr.TTIT, KGF on 05-02-2024
- Dr. Vijaya Geetha organized seminar on VLSI Design with open source EDA tool under IEEE student chapter. DrTTIT, KGF on 21-06-2024.
- Dr. Jenitha A, Dr. Vijaya Geetha, and Prof. Deepa B M attended an offline “Virtual Labs Workshop” on 05-02-2024 at DrTTIT, KGF.
- Dr. Jenitha A attended a five-day FDP on Entrepreneurship Management, Start-up, and Technology Readiness Level organized by EDC, Dr. TTIT from 12-03-2024 to 16-03-2024.
- Dr. Vijaya Geetha R attended a five-day FDP Virtual Faculty Development Program on Teaching Pedagogy from 26-02-2024 to 01-03-2024.
- Dr. Vijaya Geetha R and Prof. Tamilvani R attended a seven-day National Level FDP on Python organized by Star International Foundation for Research and Education from 19-03-2024 to 25-03-2024.
- Prof. Tamilvani R attended a two-week FDP on Opportunities and Challenges in Entrepreneurship organized by NSTEDB, Department of Science and Technology, Government of India, from 03-01-2024 to 19-01-2024.
- Prof. Deepa B M and Prof. Manjunath E attended a six-day online FDP on “Internet of Things and Its Application” organized by the Department of ECE, East Point College of Engineering, Bangalore from 12-02-2024 to 17-02-2024.
- All the faculty members attended a six-day FDP on Outcome-Based Education, Teaching-Learning Assessment organized by IQAC, Dr. TTIT from 26-02-2024 to 01-03-2024.

Paper Publications by Faculty Members

- Prof. Ruckmani Divakaran and Prof. Mohana C published a paper on “Design of Vedic-Multiplier Using GDI Logic with 32nm Technology” in Swanirman Sunirmit Publications of Research, Volume 4, Issue 1, March 2024.
- Dr. Jenitha A and Dr. Palaniswamy K M published a paper on “Design of Low Power and High-Speed CMOS Comparator” in Swanirman Sunirmit Publications of Research, Volume 4, Issue 1, March 2024.
- Dr. Vijaya Geetha R published a paper on “IoT Based Traffic Sign Detection and Recognition” in Swanirman Sunirmit Publications of Research, Volume 4, Issue 1, March 2024.
- Dr. Vijaya Geetha R published a paper on “Online Consultation through Virtual Assistance Robot Using IoT” in Swanirman Sunirmit Publications of Research, Volume 4, Issue 1, March 2024.
- Dr. Bhuvanendhiran T published a paper on “Design of Low Power High-Speed 16T CMOS Full Adder Using CPTL Logic” in Swanirman Sunirmit Publications of Research, Volume 4, Issue 1, March 2024.



- Dr. Vijaya Geetha R published a paper on “Brain Tumor Detection on MRI Images Using Deep Learning” in Swanirman Sunirmit Publications of Research, Volume 4, Issue 1, March 2024.
- Prof. Tamil Vani R published a paper on “Tomato Plant Leaf Disease Identification and Prevention Using Image Processing and IoT” in Swanirman Sunirmit Publications of Research, Volume 4, Issue 1, March 2024.
- Prof. Mohana C published a paper on “Content-Based Video Retrieval System for Distorted Video Queries” in Swanirman Sunirmit Publications of Research, Volume 4, Issue 1, March 2024.
- Prof. Jeevika Mary A published a paper on “Virtual Doctor Assist Robot for Online Consultation Using IoT” in Swanirman Sunirmit Publications of Research, Volume 4, Issue 1, March 2024.
- Dr. Jenitha A and Prof. Tamil Vani R published a paper on “Deep CNN Based Precoder and Combiner Design in mmWave MIMO System” in Swanirman Sunirmit Publications of Research, Volume 4, Issue 1, March 2024.
- Dr. Jenitha A and Prof. Tamil Vani R published a paper on “Home Automation and Fire Safety System Using Cisco Packet Tracer” in Swanirman Sunirmit Publications of Research, Volume 4, Issue 1, March 2024.

Faculty Achievements

- Dr. Bhuvanendhiran T and Prof. Tamilvani R completed a 12-week online certification course on “Computer Networks and Internet Protocol” from January to April 2024 in SWAYAM.
- Dr. Vijaya Geetha R completed a 4-week online certification course on “Teaching and Learning in Engineering (TALE)” from January to February 2024 in NPTEL.
- Dr. Vijaya Geetha R and Dr. Bhuvanendhiran T completed a 12-week NPTEL online certification course on “NBA Accreditation and Teaching and Learning in Engineering (NATE)” from January to April 2024 in SWAYAM NPTEL.
- Prof. Tamil Vani R completed a 12-week online certification course on “Computer Networks and Internet Protocol” from January to April 2024 in SWAYAM NPTEL.
- Dr. Jenitha A, Associate Professor and IQAC Head presented a session on the topic of “Bloom's Taxonomy and Rubrics in OBE Active Learning and Assessment Tools” at Dr. TTIT on 01-03-2024.
- Dr. Jenitha A, Associate Professor and IQAC Head session chair for national conference (NGIEC) organized by ECE dept, East Point College of Engineering and Technology on 09-05-2024.



Presenting a Session on OBE for FDP

Paper Presented by Students in the International conference 2024.

1. Arfiya, Fiza, Kavya B, and Sangharshini M K S presented a paper titled “Design and Implementation of Power Efficient 4-bit Flash ADC” at the 6th Virtual International Conference on Recent Trends in Technology Engineering and Applied Science on 23rd and 24th May 2024 at Dr. TTIT KGF, under the guidance of Dr. Vijaya Bharathi M.
2. Vipin H presented a paper titled “Performance Comparison Analysis of Fault Detection in PCB” at the conference, under the guidance of Dr. Vijaya Bharathi M.
3. Baavanesh S, Rithik B, and Suresh P presented a paper titled “Design and Analysis of Sub-6GHz Dual Band MIMO Dielectric Resonator” under the guidance of Dr. Palaniswamy K.M.
4. Deeksha B, Deepika J, and Manasa Aralumallige S presented a paper titled “Six-Point Multifunctional MIMO Antenna for Integrated Cognitive”, under the guidance of Dr. Jenitha A.
5. Harsha S, Naveen Kumar N, and Shashank C presented a paper titled “Design and Analysis of a Slotted Vivaldi Antenna for Microwave Imaging Applications”. Under the guidance of Dr. Vijaya Geetha R.
6. Manassah, Sanjay S, and Vishva D presented a paper titled “Effective Accelerator for 2D DCT/IDCT Using Improved Loeffler”, under the guidance of Dr. Bhuvanendhiran T.
7. Rufina R F, Sindhuja V C, and Sunitha P presented a paper titled “Coal Mines Safety Monitoring and Alerting System Using Smart Helmet”, under the guidance of Prof. Rajesh Kumar Kaushal.
8. Kanna S, Melvin Joel T, and Niveditha P presented a paper titled “Curved Microstrip Patch Antenna Designed from Transparent”, under the guidance of Prof. Tamilvani R.



9. Niveditha P and Sirisha V presented a paper titled "LoRa-Based Wireless Communication Using Embedded System Interfacing", under the guidance of Prof. Mohana C.
10. Gokul D P, Monishkar Shakthi A, and Suhas L presented a paper titled "Data Retention-Based Low Leakage Power TCAM for Network Packet", under the guidance of Prof. Nandini G N.
11. Syed Afrid presented a paper titled "Design and Implementation of Phase-Locked Loop Using CMOS Technology", under the guidance of Prof. Jesudas J.
12. Keshav Raju K M, Lohith K R, and Nayan Kumar K presented a paper titled "Solar-Based Wireless Power Transfer on Roads for Electric Vehicles", under the guidance of Prof. Jeevika Mary A.
13. Chindhu Vaishnavi V, Kauvya Shree M, and S Rithika Sriyai presented a paper titled "Precision Agriculture Loss Evaluation through Drone Surveillance", under the guidance of Prof. Shankavi K.
14. Md Shoaib Shah presented a paper titled "Implementation of Noninvasive Blood Glucose Monitoring System", under the guidance of Prof. Deepa B M.
15. Sonia M and Rishika R Shah presented a paper titled "Design and Simulation of Triple Band Microstrip Patch Antenna", under the guidance of Dr. Jenitha A and Prof. Tamilvani R.
16. Bhavana G and Nagamani M presented a paper titled "Deep Learning Framework Based on Automated Detection and Classification of Pulmonary Diseases Using VGG16 and ResNet Architecture", under the guidance of Prof. Manjunath E.

Online Certificate Courses by Students

- Deeksha B (8th Sem) completed an 8-week online certification course on "Embedded Systems Design" and "Entrepreneurship Essentials" from Feb-March 2024 through SWAYAM NPTEL.
- Manasa Aralumallige (8th Sem) completed an 8-week online certification course on "Human Behavior, Leadership and Team Effectiveness, Enhancing Soft Skills and Personality, and CMOS Digital VLSI Design" and completed "Entrepreneurship Essentials" from Feb-March 2024 through SWAYAM NPTEL.
- Fiza (8th Sem) completed an 8-week online certification course on "Deep Learning, Embedded Systems Design" and "Entrepreneurship Essentials" from Feb-March 2024 through SWAYAM NPTEL.
- Arfiya (8th SEM) completed an 8-week online certification course on "Emotional Intelligence" from Jan-March 2024 through SWAYAM NPTEL.
- Bhavana G (8th Sem) completed an 8-week online certification course on "Enhancing Soft Skills and Personality" and "Entrepreneurship Essentials" from Feb-April 2024 through SWAYAM NPTEL and completed an 8-week online certification course on "CMOS Digital VLSI Design" and "Entrepreneurship Essentials" from Jan-March 2024 through SWAYAM NPTEL.

- Keerthi M (6th Sem) completed an 8-week online certification course on "Foundation of Cloud IoT Edge ML" from Feb-March 2024 through SWAYAM NPTEL and completed 8-week online certification course on "Classics in Neuroscience" from Feb-March 2024 through SWAYAM NPTEL.
- Lahari R (6th Sem) completed an 8-week online certification course on "Classics in Neuroscience" from Feb-March 2024 through SWAYAM NPTEL and completed a 12-week online certification course on "Data Analytics with Python" from Jan-April 2024 through SWAYAM NPTEL.
- Afreen Kouser (6th SEM) completed a 12-week online certification course on "Computer Networks and Internet Protocol" from Jan-April 2024 through SWAYAM NPTEL.
- Yazhini V (4th SEM) completed a 12-week online certification course on "Digital System Design" from Jan-April 2024 through SWAYAM NPTEL.
- Kusuma H (4th SEM) completed a 12-week online certification course on "Introduction to Internet of Things" from Jan-April 2024 through SWAYAM NPTEL.
- Hiresh Babu G (4th SEM) completed a 12-week online certification course on "Digital System Design" from Jan-April 2024 through SWAYAM NPTEL.

Project Expo 2024

The 8th-semester students participated in Project-Expo 2024 organized by Dr. TTIT IIC on 25-05-2024.



ECE students exhibiting their projects



The best project award was given for the paper "Design and Analysis of a Slotted Vivaldi Antenna for Microwave Imaging Applications" presented by Harsha S, Naveen Kumar N, and Shashank C under the guidance of Dr. Vijaya Geetha R.



Best Project Award received by the students in Project Expo 2024

Department Forum Activities

The Department conducted various cultural and technical events under the EC-GOLDEN ANWESHA STUDENTS FORUM on 16-05-2024. Events included Pencil Sketching by Elizabeth Rani (6th Sem) and Tanushree (6th Sem).



Indoor sports conducted under ECE-Forum



Pencil Sketching by Elizabeth Rani - 6th SEM



Pencil Sketching by Tanushree - 6th SEM



Golden Anwesha Students Forum Prize Distribution



Student Achievements

- Veena (4th SEM) performed classical dance in the 23rd VTU Youth Festival at SJGIT on 28th March 2024.
- Shruthi P R (4th SEM) participated in classical singing in the 23rd VTU Youth Festival at SJGIT on 28th March 2024.



ECE students performing during VTU Youth Festival at SJGIT



CIVIL ENGINEERING DEPARTMENT

FDP Attended

- Dr. Ramesh, Prof. Maneela, Prof. Silviya, Prof. Praveen, and Prof. Anitta Mabel attended a Five-Day FDP on Outcome-Based Education Teaching-Learning and Assessment Process from 26th February 2024 to 1st March 2024 at Dr. TTIT KGF.
- Dr. Ramesh, Prof. Maneela, Prof. Silviya, Prof. Praveen, and Prof. Anitta Mabel attended a Five-Day FDP on "Entrepreneurship Management, Start-up & Technology Readiness Level" from 12th March 2024 to 16th March 2024 organized by the Entrepreneurship Development Cell and Institution Innovation Cell at Dr. TTIT KGF.

Online Certificate Course

Prof. M. Maneela completed a 12-week online certification course on "NBA Accreditation" from January to April 2024 through SWAYAM NPTEL.

Webinar

The Department of Civil Engineering conducted a one-day online webinar on "Introduction to Civil Engineering Software and Applications in Real-Time Projects" by Mr. Srinivas Reddy, Structural Engineer, and Founder & CEO of Bhavans C2C for the students of 6th semester.

Environment Day Celebration

The Department of Civil Engineering celebrated World Environment Day. On this occasion, Dr. Syed Ariff (Principal), Dr. Shenoy H G (Vice Principal), Prof. Ruckmani Divakaran (Dean, Academics), and Dr. Ramesh K (HOD, Department of Civil Engineering) planted saplings in the college campus.



Project Expo 2024

The 8th-semester students participated in Project-Expo 2024 organized by Dr. TTIT IIC on 25th May 2024. The best project award was given for the paper "Investigating into the Feasibility of Gold Mill Tailings for the Manufacturing of Bricks" presented by Swaroopa Rani M, Srikanth M V, Aamir Suhail, and Kavan S under the guidance of Prof. M. Maneela (Department of Civil Engineering) and Dr. Manjunatha (Department of Mining Engineering).



Students exhibiting their projects



Best Project award in project expo-2024

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

FDP/Workshop organized

Prof. Leelavathy S. R. & Prof. Apoorva D.: Organized three-day workshop on "HAND-BOT (AI controlled Hand Gesture Robot)" from 1st to 3rd February 2024, held at Dr. T. Thimmaiah Institute of Technology



Workshop in progress



Students receiving certificate during workshop

Prof. Leelavathy S. R. Prof. Inbalatha K & Prof. Apoorva D.: Coordinated five-day Faculty Development Program on "MERN", organized by the Department of Computer Science & Engineering (Artificial Intelligence and Machine Learning) at Dr. T. Thimmaiah Institute of Technology from 23rd to 27th April 2024.



Inauguration of five days SDP & FDP

FDP/Workshop Attended

- Prof. Apoorva D. & Prof. Inbalatha K.: Participated in the Faculty Development Program on Data Science and its Applications, in association with IEEE and IIC, organized by the Department of Artificial Intelligence and Data Science at DBIT Bangalore from 13th to 17th May 2024.
- Prof. Apoorva D.: Participated in the one-week national-level online FDP on "Machine Learning Applications for Engineers", organized by the Department of Computer Science and Engineering in technical association with 'ACM Hyderabad Deccan Chapter' from 3rd to 7th June 2024.
- Prof. Inbalatha K.: Attended the student empowerment webinar on "File Handling Using Python" organized by the Faculty of Computer Application at Marwari University, Rajkot on 11th May 2024.

Papers Published by Faculty Members

Prof. Leelavathy S. R.: Published a research paper entitled "Integrating Indigenous Knowledge with Deep Learning for Meteorological Drought Prediction" in the International Journal of Intelligent Systems and Applications in Engineering, Scopus index Q3, 12(8s), 367-382.

Certification Courses by Students

- Sonjun Murthy of 4th semester: Successfully completed "Introduction to Artificial Intelligence", an online non-credit course authorized by IBM and offered through Coursera.
- Sonjun Murthy of 4th semester: Successfully completed "Introduction to Generative AI" and "Innovating with Google Cloud Artificial Intelligence", both online non-credit courses authorized by Google Cloud and offered through Coursera.
- Sudha Shree V. of 4th semester: Completed a Python course conducted by InternsTech under the Govt of India Startup India from 1st April 2024 to 30th May 2024.

Certification Courses by Faculty

- Prof. Inbalatha K.: Successfully completed the NPTEL online course "Teaching and Learning in Engineering", a 4-week course from January to February 2024.
- Prof. Inbalatha K.: Successfully completed the NPTEL online course "NBA Accreditation and Teaching and Learning in Engineering", a 12-week course from January to April 2024.

Patents Filed

Prof. Inbalatha K.: Filed two patents on 26th March 2024. "Development of Iris Recognition System Using Deep Learning Techniques" (Application No. 202441023698A). And "An Image to Recipe Generation System Using Artificial Intelligence" (Application No. 202441023700A), both published on 5th April 2024.

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

Student Induction programme

It was an exciting day at our college on March 15 to 25, 2024, as we conducted our students induction programme Phase – II Speakers from Dr T.Thimmaiah Institute of Technology, Kolar Gold Fields delivered on topics given in VTU for the first year students. Various activities and lectures covering topics like public awareness and safety, familiarization (VTU rules, codes of conduct of college, SGPA & CGPA, mentoring system etc..) Physical activities (Yoga, aerobics & sports), Universal Human Values, swatch Bharath and creative arts, Proficiency modules with internship and projects were covered. The programme was coordinated by Prof Veena, first year Coordinator and team.



Student's Induction Program in progress

National Science Day: was celebrated on 5 April 2024; the theme was "Indigenous Technologies for Viksit Bharat". Prof. Sujatha, Principal Dr. Thimmaiah Institute of Degree & Management Studies, KGF was the chief guest. Various competitions were held to encourage scientific inquiry and inspire the students. Competitions like Innovative Rangoli, Extempore and Poster presentation were conducted.



Innovative Rangoli by students

The topics of Extempore based on the Science and Technology



Poster presentation by students on National Science day



FDP Attended

- Prof Veena B, Prof Mohana K R, Dr Manjunath.C, Prof Saralashanthi, Prof. Ananda .N Prof. Vinodhini.C Prof Princy Prof .Archana .N Prof . Sheela Kumari.V Prof Samreen sultana M Prof .Maria florita L, Prof Subhashini Gladious, Prof. Lavanya S, and Prof .Pradeep P, attended 5-Days Faculty Development Program on “Outcome Based Education, Teaching-Learning and Assessment process” From 26th February to 1st March 2024. Dr.TTIT, KGF.
- Prof Saralashanthi, participated Five days workshop on “Course-design on OBE and NBA framework from 20th May-24th May 2024 organized by “Department of Electronic system Engineering,IISc, Bangalore.

Papers Presented / published

- Prof Saralashanthi presented a paper titled “A Review of Electrostatic Discharge in Advanced Emerging Semiconductor Technology”. 6th Virtual International Conference on Recent Trends in Technology, Engineering and Applied Science on 23rd and 24th May 2024, at DrTTIT
- Prof Subhashini Gladious presented a paper titled “The Impact of Food Preservative on Brain Function

and Life Span” at 6th Virtual International Conference on Recent Trends in Technology, Engineering and Applied Science on 23rd and 24th May 2024, at DrTTIT

- Prof Subhashini Gladious has published a paper titled “The Cultural and Linguistic Implications of English Language Dominance in Education Systems. Educational Administration: Theory and Practice, 30(6), (Scopus Indexed Journal), 2797–2800. <https://doi.org/10.53555/kuvey.v30i6.5896>,

Certification Courses by Faculty

Prof Saralashanthi completed the PG level advanced certification program in “Micro nano electronics” organized by IISc and completed the entire requirement stipulated by intellipaat for German language classes to achieve professional excellence.

Certification Courses by students

Mehakand, Ralph Ruban.M and Kenneth Alex.L has successfully completed NPTEL course on “Soft skill development” from Feb – March 2024

GOLD RUSH & CULTURAL ACTIVITIES

Gold Rush 2024 Techno Cultural was celebrated on 29th and 30th April 2024. Department of Electronics and Communication Engineering coordinating the events, which is an epic celebration of music and entertainments.



Pre Inauguration of Gold Rush 2024 by Principal, Dr. Syed Ariff

An amalgamation of fun and entertainment, Gold Rush, 2024 cultural fest which provides countless opportunities to students to unleash their potential and showcase their talent in multifarious fields various competitions like Rangoli, face painting, singing, Mehandi, fashion show etc., were conducted with the fabulous DJ show.



Dance performance by students



Mr. & Miss Dr.TTIT Winners



Organizing Committee GOLD Rush - 24



Students participating in D J show

MOCK CET – 2024

The Dr.TTIT Mock CET -2024 has conducted on 7 April 2024, this year around 780 students from various places in Karnataka took up test. This Mock CET would have helped the students to assess their preparation and perform well in their upcoming KCET.



Mock test registration



Mock test in progress



INSTITUTION INNOVATION COUNCIL

A poster presentation of innovations was organized by IIC & EDC at Dr. T. Thimmaiah Institute of Technology K.G.F on 7th February 2024 at 2 PM. The main goal of this session was to cultivate an innovative mindset and engage students with technical ideas.



Students with their poster presentation

A one-week faculty development program on "Entrepreneurship Management Start-up and Technology Readiness" was held from 12th to 16th March 2024, organized by Dr. TTIT Institution Innovation Council & Entrepreneurship Development Cell, 100 participants from various states attended the program.



Speakers delivering lecture on 12-3-2024

- A "One Day Workshop on Design Thinking, Critical Thinking, and Innovation Design" was organized on 23rd April 2024. The resource person was Mr. Shashimohan Doddamane, Digital Delivery Leader at Volvo Bangalore. The total number of participants was 80, including faculty and students.

- "Dr.TTIT Project Expo-2024" was organized on 25th May 2024 to provide a platform for students to showcase their innovative projects. A total of 56 projects were exhibited, with around 224 students' participated. The best project from each department received a certificate and cash prize.
- Sixth Semester Students Participated in the Start-up Mahakumbh at Bharat Mandapam, Pragati Maidan, New Delhi held from March 18 to March 20, 2024, aimed to nurture innovation and entrepreneurship among students from various technical institutions. It served as a conduit for aspiring entrepreneurs to showcase their ideas, receive mentorship, and connect with potential investors. 15 students participated in the event.



Students participated in Mahakumbh. New Delhi

- IIC, IEI, and IPR Cell Jointly Organized a Workshop on "Intellectual Property Rights and IP Management" held on 16th February 2024, 100 students from sixth-semester and 25 faculty members attended.
- Organized a Poster Presentation on Business Plans. This event took place on 31st May 2024.



Students participated in poster presentation



GENERAL MEDICAL CHECKUP

Dr.TTIT organized a General Medical Check Up for the hostellers by the Dr.TTIT Medical Centre team on 5th Jan 2024.



INTERNATIONAL WOMENS DAY

International Women's Day was celebrated on March 22, 2024: The Women Empowerment was in partnership with the Institution of Engineers (IEI) Kolar Local Centre in KGF. The esteemed guests - Dr. Rekha Sethi, Principal of Sri Bhagawan Mahaveer Jain College, KGF, graced the occasion as the Chief Guest, shared valuable insights on gender equality and empower, also conducted exciting games on women's Day and distributed prizes to the winners during the events. Coordinated by Prof. M. Maneela, the Convener, and Prof. Archana N, the Co-convener of the cell.



Women's day celebration Chief Guest Dr. Rekha Sethi, Principal of Sri Bhagawan Mahaveer Jain College, KGF



On June, 22, 2024, an event was organized at the student centre by Dr. TTIT – IEI Kolar Local Centre to celebrate International Yoga Day. The event aimed to promote health awareness and all the department students participated. The program was conducted by Art of Living facilitators Mr. Rajesh, Mr. Vinay several distinguish individuals were present including Principal Dr. Syed Ariff, Vice Principal Dr. H. D Shenoy, Prof. Ruckmani Divakaran Dean (Academic), Dr. Mohan Kumar – IEI- KLC Hon Secretary, Dr. Narasimha. C FIE, Hon Chairman, IEI-KLC, Prof. Vinutha – Yoga Cell Convener and Others. The program commenced with the experts guiding the participants through various yoga asana.



Participants in the Yoga session



INAUGURATION OF THE KSCST IPR CELL AT Dr. TTIT

Our college, in association with the Karnataka State Council for Science and Technology, inaugurated the Dr. TTIT – KSCST IPR Cell on 15th May 2024. Following the inauguration, a one-day workshop on Intellectual Property Rights was held. The keynote address was delivered by Dr. U. T. Vijay, Executive Secretary of KSCST. The workshop featured sessions by Dr. Sarasija Padmanabhan, Patent Agent & WIPO Tutor, Ms. Vanisree Moji, Patent Agent & Consultant, Mr. Vineeth Kumar S R, Project Engineer at KSCST, and Mr. Nagarjun M G, Project Associate at KSCST coordinated by Dr. Vijaya Geetha.



Inauguration of Dr.TTIT – KSCST IPR cell



NATIONAL SOCIAL SERVICE ACTIVITIES

"Mera Pehla Vote - Desh Ke Liye" (My First Vote for the Nation). An awareness program was organized by the Cultural Club in association with the NSS unit of our college on March 14, 2024, at the Student Centre. 250 students participated in the events.



First voter's awareness programme

AIDS/HIV Prevention and Control Organized an awareness program on March 15, 2024, in association with the Red Ribbon Club, Karnataka State AIDS Prevention Society (KSAPS), and District AIDS Prevention and Control Unit (DAPCU). Students were invited to participate in events such as Poster Design/Painting/Sketching, PowerPoint Presentation, and Pick and Speak, which were conducted on AIDS/HIV Prevention and Control. Nine students received participation certificates with cash prizes.



AIDS/HIV Prevention and Control Students receiving prizes & certificates

Learn Empathy Not Sympathy (LENS) In association with the Association of People with Disability (APD), an interactive session was conducted to create awareness about people with disabilities and the challenges they face. The program was conducted on 08/06/2024, 46 students attended along with faculty coordinators.



Students participating in LENS



Swatch Bharath Activity twenty eight students of the 6th and 4th semesters have been involved in Swatch Bharat (waste management) by removing plastics and polythene covers. Approximately 140 to 150 kg was collected in front of areas such as the main entrance gate, guest house, President residence block, sports ground, senior hostel (D-block), and nearby hostel mess.



Swatch Bharat activity

Blood Donation: In collaboration with the Red Ribbon Club, The Institution of Engineers (India) Kolar Local Centre, and the Indian Red Cross Society Kolar, organized a Blood Donation Camp in our college on March 14, 2024. The Government General Hospital K.G.F collected 50 units of blood from the students.



Blood donation camp



ALUMNI MEET

On May 18th, 2024, the 1995 batch of CSE students returned to their alma mater to reminisce and celebrate at their Silver Jubilee Batch meet. The Dr. TTIT Alumni Association extends heartfelt thanks to everyone who took the initiative and coordinated this memorable event.



1995 batch Alumni visited the department of CSE





VTU North Zone Intercollegiate Tournament, 15 students participated in the VTU North Zone intercollegiate tournament conducted by Sir MVIT Bangalore from January 2nd to 9th, 2024.



VTU inter collage North Zone cricket tournament for semi finals participants

VTU North Zone Cricket Tournament, 16 students participated in the VTU North Zone intercollegiate volleyball tournament conducted by RLJIT Bangalore on February 8th and 9th, 2024.

VTU North Zone Volleyball Tournament, 12 students participated in the VTU North Zone intercollegiate volleyball tournament conducted by NMIT Bangalore on June 5th and 6th, 2024.

VTU North Zone Football Tournament. 16 Participated in the VTU North Zone intercollegiate hockey tournament organized by Sai Ram College of Engineering, Bangalore on May 30th and 31st, 2024.



VTU inter college North Zone division Hockey tournament winners

VTU Athletic Meet, 02 students participated in the VTU athletic meet at the VTU Regional Centre in Mysore from June 26th to 29th. Mr Dhanush B, 4th SEM Mining Engineering won Bronze medal in 400m and Mr. Saqueeb Khan N 4th SEM CSE won Bronze medal in 800m



VTU athletic meet winners participants

Annual Inter-Branch Events

The annual sports events, including volleyball, football, basketball, cricket, chess, table tennis, shuttle badminton, kabaddi, and athletic events, were conducted.

Cricket Tournament was held from February 5th to 9th, 2024.

Winner: Mining Engineering

Runners-up: Computer Science and Engineering

Volleyball Tournament was held from March 12th to 16th, 2024.

Winner: Mining Engineering

Runners-up: Mechanical Engineering

Football Tournament was held from March 19th to 21st, 2024.

Winner: Electronics & Communication Engineering

Runners-up: Mining Engineering

Basketball Tournament was held from March 22nd to 24th, 2024.

Winner: Mining Engineering

Runners-up: Electronics & Communication Engineering

Athletics Championship

The Athletics Championship was held on March 23rd, 2024.

Individual Championship

- **Boys:** Dhanush, 4th semester, Mining Engineering
- **Girls:** Sindhuja, 8th semester, and Veen C, 4th semester, Electronics and Communication

Overall Championship The overall championship in sports for the year 2023-24 was won by the Mining Engineering department. Dr. Manas Mukhopadhyay, HOD of Mining Engineering, and students received the trophy from Dr. T. Venkat Vardhan, President of GVET, and Mr. Tandava Popuri, Senior Director of Dell Technologies Bangalore, in the presence of Shri. Roaul Kengal Vardhan, Vice President of GVET, and Dr. Syed Ariff, Principal, during the college day function.



College overall Boys championship



College overall Girls championship



TRAINING AND PLACEMENTS

Paypal Phase-II: The program aimed to equip learners with fundamental skills in data analytics, covering key aspects such as data collection, processing, visualization, and interpretation. Participants learned to generate reports and dashboards using Microsoft Power BI and Excel, along with developing essential soft skills for effective communication and collaboration in data analytics roles. 55 students participated and successfully completed the training program conducted on 12th February 2024 for a period of 20 days.



- **Microsoft Azure:** The Microsoft Azure training program on Power BI was provided to fundamental skills in business analysis and data visualization. For the period of 5 days, starting from 12th February to 16th February 2024, 53 students enhanced their ability to analyze and interpret data.
- **AANS Technologies:** Training program for students in the circuit branch focusing on both technical and soft skills includes Python and Java programming for a solid foundation in software development. The 15-day training program, from 19th February 2024 to 07th March 2024, 65 students participated.



AANS Technologies & participants

Approva Mines and Minerals Limited: Trained thirty nine Mining students on First Aid Safety measures with practical knowledge and essential safety skills visited Krishnagiri

and Tumkur mines. The 6-day training conducted from 26th Feb 2024 - 2nd Mar 2024. This hands-on approach ensured students to apply theoretical concepts in real-world mining settings, preparing them for safety challenges in their careers.



Students with Approva Mines and Minerals Limited Trainers

Gravity India (Skill Development Centre): A new skill development initiative for the MEP (Mechanical, Electrical, and Plumbing) industry conducted from 27th February to 27th March 2024. It targeted Electrical, Mechanical, and Civil Engineering students to enhance their MEP engineering skills. For the period of 30 days, the program promised guaranteed placements for all successful participants and involved 37 students. This initiative aims to bridge the gap between academic learning and industry requirements, fostering a skilled and job-ready workforce in India.

CSR Training

- **Pentagon Space:** Conducted a CSR in-campus drive on 28th March 2024 for the 2024 batch students. They selected 7 students for free training from the Computer Science Engineering (CSE) and Electronics and Communication Engineering (ECE) departments.
- **Qspiders:** Conducted a CSR in-campus drive on 19th March 2024 for the 2024 batch, placing 20 students from the circuit branches for free training.
- **Palle Technology:** Conducted a CSR virtual drive specifically for circuit branch students. More than 10 students were successfully selected to receive free training through this initiative.
- **JLC:** Conducted a CSR in-campus drive on 27th March 2024 for the 2024 batch, offering positions to students from the Computer Science Engineering (CSE) and Electronics and Communication Engineering (ECE) branches. 13 students from both branches were successfully placed for the free training through this drive.

TRAINING AND PLACEMENTS

PLACEMENT RECORD OF 2023-2024 BATCH					
Sl No	Name	USN	Department	Company	Package
1	BAAVANESH S	1GV20EC004	ECE	Klok System	3Lpa
2	KANNA S	1GV20EC012	ECE		3Lpa
3	MANASA ARALUMALLIGE S	1GV20EC018	ECE		3Lpa
4	MELVIN JOEL T	1GV20EC021	ECE		3Lpa
5	NAVEEN KUMAR N	1GV20EC024	ECE		3Lpa
6	JAYASOORYA M	1GV20ME004	MECH	Asmi Controls	2.4Lpa
7	SATHISH N	1GV21ME409	MECH		2.4Lpa
8	DEEPIKA J	1GV20EC008	ECE		2.4Lpa
9	HARSHA S	1GV20EC011	ECE		2.4Lpa
10	WINBERG S	1GV21ME413	MECH		2.4Lpa
11	SHASHANK C	1GV20EC032	ECE	Mcoreta	2.4Lpa
12	KESHAV RAJU K M	1GV20EC016	ECE		2.4Lpa
13	LOHITH K R	1GV20EC017	ECE	Gravity India	2.4Lpa
14	ISSRA ANNAM	1GV20EE004	EEE		2.5 Lpa
15	MUSKAN QURESHI	1GV20EE006	EEE		2.5 Lpa
16	SANDHYA V	1GV20EE011	EEE	DTRI	2.5 Lpa
17	RUFINA R F	1GV20EC027	ECE		2.2Lpa
18	SANGHARSHINI M K	1GV20EC029	ECE		2.2Lpa
19	S J SAMSKRUTHI	1GV20CS049	CSE		2.2Lpa
20	KALPESH M	1GV20CS026	CSE		2.2Lpa
21	SYED AFRID	1GV20EC038	ECE	Toyota	2.2Lpa
22	MADHAN P	1GV20ME006	MECH		2.5Lpa
23	BADHRINATH R	1GV21ME402	MECH	Deccan Hydraulics	2.5Lpa
24	VARUN KUMAR A V	1GV20ME013	MECH		2.5Lpa
25	KISHORE H	1GV21ME404	MECH		2.5Lpa
26	MARIO LUKE	1GV20ME007	MECH		2.5Lpa
27	GIRISH GOWTHAM	1GV21ME403	MECH		2.5Lpa
28	SRIKANTH K N	1GV20ME011	MECH		2.5Lpa
29	DEEPAK M	1GV20ME002	MECH		2.5Lpa
30	PAUL RABIN C	1GV21MI414	MIN	Thriveni	3.8Lpa
31	VINEETH KUMAR R	1GV21MI416	MIN		3.8Lpa
32	VIDHYA G	1GV20MI035	MIN		3.8Lpa
33	VIDYADHARA HIREMATH	1GV20MI036	MIN		3.8Lpa
34	SRIDHARAN N	1GV20MI019	MIN		3.8Lpa
35	SUDEEP M	1GV20MI031	MIN		3.8Lpa
36	ROHITH N	1GV21MI418	MIN		3.8Lpa
37	JOLLU KIRAN KUMAR	1GV20MI012	MIN	Shree Cement	3.8Lpa
38	SANJAY M	1GV20MI029	MIN		4.2Lpa
39	MALATHESH N	1GV20MI015	MIN	Codetown	4.2Lpa
40	KIRAN KUMAR M	1GV19MI022	MIN		4.2Lpa
41	SHALINI G	1GV20CS055	CSE	Intellipaath	5Lpa
42	RUFINA R F	1GV20EC027	ECE		9Lpa
43	SINDHUJA V C	1GV20EC033	ECE		9Lpa