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Editors Message

There is a saying that “Life is the most difficult exam. Many people fail because they try to copy others, not realizing that everyone has a different question paper.”

Yoga teaches us how to listen to the body and its the practice of quieting the mind.....

On carrying out the college fests, branch fest was celebrated, followed by the most important academics part i.e Exams... Wishing all the students a very good luck for the exams... I also congratulate all the coordinators and faculty members for balanced and smooth conduction of branch fests....

It is to be significantly noted that students have published papers in few reputed journals along with the faculty guidance, and faculty of various Departments have attended conferences and have also published few papers.

Higher appreciation for SSIT being recognised as an active NPTEL local chapter for semester Jan-April 2024 which has added a feather to the crown of SSIT.

Faculty of various Departments have submitted their project proposals under different categories to VGST.

Focus on FOCUS and be a part of it.

| Dr. Vidyalakshmi K, Chief Editor

Publications and Conferences

• **Dr. Suma R, Prof.**, Dept. of ISE, presented a paper titled “The Efficacy of Linear Regression in Classifying Diverse Food Grains Using Machine Learning Perspective” in International Conference on Recent trends in Computing Systems and Robotics organised by Dr.APJ Abdul Kalam School of Engineering, Garden City University, Bengaluru on 12th June 2024.

• **Dr. Nasreen Taj M**, Asst. Prof., Dept. of EEE has published article as a first author in Elsevier publisher got published in the International Journal, Q1 Journal, SCI indexed, Scopus indexed Elsevier Publisher entitled “Dielectric and structural properties of polyaniline-tungsten trioxide nanocomposites: For the packing of nano-electronic devices and EMI shielding” article received 14th January 2023, received in revised form 24th May 2024, Accepted 31st May

2024, Available online 21th June 2024.

• **Dr. N Pradeep**, Assoc. Prof., Dept. of EEE has presented a paper titled “Leveraging Internet of Things for Accurate load Forecasting in power Systems: opportunities, Challenges and Applications” in the International Conference ICWCIE-2024 on 21st -22nd June 2024 at SSIT, Tumakuru.

• **Mrs. Maanasa M R**, Asst. Prof., presented a paper titled “Precision Agriculture: Soil nutrient analysis and crop recommendation using IOT” in ICWCIE-2024 organised by the Dept. of ECE, SSIT on 21st and 22nd June 2024.

• **Mrs. Prathibha S B**, Asst. Prof., Dept. of CSE has presented her research paper titled “Energy Efficient and congestion control technique for IOT enabled WSN for video routing surveillance:

A survey” in the First International Conference on “Emerging Technologies in Science & Engineering” held at Akshaya Institute of Technology, Tumkur, Karnataka on 26th & 27th June 2024.

- **Mr. Sharath Babu C G**, Asst. Prof., Dept. of CSE has published a research article titled “Review on Deep Learning Based Secure Data Transfer over Internet using Image Steganography and IOT” in the Industrial Engineering Journal: ISSN 0970-2555, volume:53, Issue 6, No.4, June 2024.

- **Dr. Komala K**, Assoc. Prof., Dept. of ECE

presented article entitled “Review On Deep Learning Based Secure Data Transfer Over Internet Using Image Steganography And IoT” Published in Industrial Engineering Journal: ISSN 0970-2555, Volume: 53, Issue 6, No.4, June 2024.

- **Dr. M. Nagaraja**, Prof., Dept. of Physics published a research paper entitled “A new sensing platform based on poly(valine) modified carbon paste electrode for the determination of hydroquinone and resorcinol, Monatshefte für Chemie – Chemical Monthly, in June 2024.

Faculty Achievements

- **Mr. Yogeesh M**, Asst. Prof., Dept. of ETE, was invited as a resource person to deliver a lecture on “Python programming” to DCET students at SPT College, Tumkur, on 13th June 2024.

- **Dr. Manjula Yerva**, Assoc. Prof., Dept. of AIML, was one of the reviewer for International Conference on “Smart Systems for Applications in Electrical Sciences” held at SIT, Tumakuru on 3rd and 4th June 2024.

- **Dr. Pushpalatha K R**, Assoc. Prof., Dept. of CSE (Data Science), was invited as a panelist for Ph.D Admission 2024(2nd batch) Interview session held on 21st June 2024.

- **Dr. Karunakara K**, Prof., Dept. of ISE, chaired a session in the 1st International Conference on Wireless Communication and Internet of Everything, ICWCIE-2024, organized by the Dept. of Electronics and Communication Engineering at SSIT, Tumkur on 21st and 22nd June 2024.

- **Dr. C K Raju**, Prof., and HOD, Dept. of AIML Reviewer for International Conference on “Wireless Communication and Internet of Everything” held at SSIT, Tumakuru on 21st and 22nd June 2024.

- **Dr. Annapurna H S**, Prof., and HoD, Dept. of ISE, was the session chair in the 1st International Conference on Emerging Technologies in Science and Engineering, ICETSE-24, organized by Akshaya Institute of Technology, Tumakuru on 26th and 27th June 2024.

- **Dr. Gopala T**, Asst. Prof., Dept of CSE has successfully defended his Ph.D thesis on 29th June 2024 under the guidance of Dr Raviram V, Prof., Dept of CSE, SSIT, thesis titled “Novel Energy Efficient and Secure Optimal Routing Mechanism for Wireless Sensor Networks.



Mr. Praveen Kumar C, Asst. Prof., Dept. of EEE was recognized as an active NPTEL local chapter under Prospect Category for the semester Jan-Apr 2024.

- **Dr. M. Nagaraja**, Prof., Dept. of Physics reviewed a research paper for the SCOPUS indexed journal Nanocomposites. He also reviewed three research papers for the international conference Euro-Mediterranean Conference for Environmental Integration-2024 (EMCIE-2024) proceedings in June 2024.

- **Dr. C K Raju**, Prof., and Head, Dept. of AI&ML was the reviewer for International Conference on “Wireless Communication and Internet of Everything” held at SSIT, Tumakuru on 21st and 22nd June 2024.

- **Dr. Manjula Yerva**, Asso. Prof., Dept. of AI&ML was the reviewer for International Conference on “Smart Systems for Applications in Electrical Sciences” held at SIT, Tumakuru on 3rd and 4th June 2024

Student Achievements



Ms. Sheeba Aaliyah K J, 4th semester student from Dept. of EEE has been awarded first prize in paper presentation at the 19th ISTE Karnataka state

level student convention held on 7th June 2024 at P.E.S College of Engineering, Mandya.

- The project entitled “Smart Traffic Signal for Emergency Vehicle using GPS” of **Mr. Jeevan Kumar K**, **Ms. Mrudula P**, **Mr. Nandish Mallappa Gali** and **Ms. Harshitha A**, 8th semester students, Dept. of CSE, guided by Prof. Madhumala G, Asst. Prof., Dept. of CSE has been identified for the financial support (startup assistance) by ART-Park, IISc in association KSCST.

Faculty Participation

- Mrs. Nanda K V**, Asst. Prof., Dept. of MCA has participated in the Faculty Development Program on “Python Machine Learning”, organized by Mevi Technologies LLP Bangalore, in association with R.R. Institute of Technology, Bangalore, from May 27th to June 1st 2024.

- Mr. Guruprasad T N**, Asst. Prof., Dept. of Civil Engg, has participated in the online sessions of plenary and keynote lecture series of the International Conference on Geo-Disasters and Construction Engineering -ICGCE on 07th -08th June 2024.

- Mrs. Varamahalakshmi M**, Asst. Prof., Dept. of ISE, participated in one week online National level Faculty Development Program on “Quantum Computing: Building a Rapid and Secure Information Tomorrow” organized by Dept of Computer Science and Engineering, Chaitanya Bharati Institute of Technology (Autonomous), Hyderabad from 11th to 15th June 2024.

- Mrs. Bharathi N**, Asst. Prof., Dept. of CSE has actively participated in the Online Workshop on “Data Analytics & AI” organized by Centre for Computer Science and Information Technology (CCSIT), Manjeri, University of Calicut in association with IPSR solutions limited on 15th June 2024.

- Mrs. Sahana T.S**, **Dr. Pradeep A.R**, **Dr Sowjanya G.V**, **Mr. Abhilash K.E**, **Mr. Shivaraju G.D**, **Mr. Guruprasad T.N**, **Mrs. Usha S**, **Mrs. Supriya C.B**, **Mrs Hema H**, **Mrs Kavya N** and **Mr. Akshay J**, Asst. Profs., Dept. of Civil Engineering have participated in five days FDP on “2nd Series of Geotechnical Engineering Practices and its Sustainable Development” held at Ballari Institute of Technology & Management, Ballari organized by Dept of Civil Engineering from 18th-22nd June 2024.

- Mr. Guruprasad T N**, Asst. Prof., Dept. of Civil Engineering has participated in the online one-week Faculty Development Program (FDP) on Geo-Informatics in Disaster Management organized by Civil Engineering Dept of Jorhat Engineering College, Jorhat-785007, from 18th - 22nd June 2024.

- Dr. Sowjanya G V**, Asst. Prof., Dept. of Civil Engineering has participated in five days Faculty Development Program on “Building Resilient Infrastructure” organized by Dept. of Civil Engineering, Vasireddy Venkatadri Institute of Technology, Andhra Pradesh, from 24th – 28th June 2024.

- Mrs. Madhumala G** and **Mrs. Swarnalatha G L**, Asst. Prof., Dept of CSE have participated a Faculty Enablement Program Phase 3 on “Artificial Intelligence” offered by Infosys Springboard during 24th June to 28th June.

- Mrs. Bharathi N**, Asst. Prof., Dept of CSE and **Mrs. Roopa T** Asst. Prof., Dept of ISE have participated in Faculty Enablement Program Phase 3 on “Machine Learning and NLP using Python” offered by Infosys Springboard during 24th June to 28th June.

- Mr. Guruprasad T N**, Asst. Prof., Dept. of Civil Engineering has participated in the online one-week Faculty Development Program (FDP) on Recent Advances in Structural Engineering and Material Science organized by Civil Engineering Dept of Jorhat Engineering College, Jorhat-785007, from 25th -29th June 2024.

- Faculty across various Departments have submitted project proposals under the category KFIST-L1, KFIST-L2, ECRA, FDP for VGST in June 2024.

Student Participation

- **Mr. Prajwal R Arkachari, Mr. Pratik A Kolamuskar B, Mr. Asgar Shaikh and Ms. Nanditha S S**, 8th Sem students, Dept. of ISE under the guidance Mr. Subhash C S, Asst. Prof., Dept. of ISE, published a paper titled “Dinesmart: Innovating the Dining Experience” in an International Journal of Creative Research Thoughts (IJCRT), UGC Approved Journal, Volume 12, Issue 6, June 2024.

- The pre-final year student **Mr. Sharan M G**, Dept. of ISE under the guidance of Mr. Subhash C S, Asst. Prof., Dept. of ISE, published a paper titled “Optimised ECG Classification using Wavelet Decomposition and CNN’s” in an International Advanced Research Journal in Science, Engineering and Technology (IARJ-SET), UGC Approved Journal, Volume 11, Issue 6, June 2024.

- **Ms. Varsha P kumar, Mr.Siddharth H A and Ms. Lakshmi H K**, 8th sem students, Dept. of ISE under the guidance of Mr. Prasanna Kumar M, Asst. Prof., Dept. of ISE, published a paper titled “Blockchain- Based Social Network Using User’s Identity Management” in International Advanced Research Journal in Science,

Engineering and Technology, Impact factor 8.066, Volume 11, Issue 6, June 2024.

- The pre-final year students **Ms. Charmie J Jain and Ms. Chandana R**, Dept. of ISE, under the guidance of Mrs. Nandini G R, Asst. Prof., Dept. of ISE, published a paper titled “Sortify: Visualising Algorithms” in International Advanced Research Journal in Science, Engineering and Technology, Impact factor 8.066, Volume 11, Issue 6, June 2024.

- **Ms. Shree Deepika, Ms. Thanmayi S M, and Ms. Syed Nikath Fathima**, 8th sem students, Dept. of ISE under the guidance of Mrs. Sushma M, Asst. Prof., Dept. of ISE published a research paper titled “Auto s Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE) Volume 12, Issue 5, 2024.

- **Mr.Sohan Raj R**, 2nd Year M. Tech, Dept of Digital Electronics, Dept of ECE, presented a paper titled “Denoising And Enhancing Noisy Images Using Cnn And Iterative Filtering Techniques” in Industrial Engineering Journal ISSN: 0970-2555, Volume: 53, Issue 6, No.3, June: 2024.

Department Activities



Parent-Teacher meeting was organized on 1st June 2024 and Ms. Priyanka N M, Asst. Prof., Dept. of EEE was the coordinator for the same.



Dept of Civil Engineering conducted internal BoS meeting on 7th June 2024.



Dept of Civil Engineering had organized a World Environment Day celebration in association with IQAC and IGBC Student Chapter on 5th June 2024. Mr. Mahesh Gondhali, CEO, ADMS Marketing Pvt. Ltd. was the chief guest and a lecture was given on “Contribution of Electrical Vehicles for Sustainable Development.”



Dept of ISE organised External BoS meeting on 8th June 2024.



Dept of MCA, had organized club activities inauguration for 2nd semester students on 24th June 2024. And all the faculty members coordinated for the same.



Dept of MCA, had organized farewell party for final year MCA students on 25th June 2024 at PG Seminar Hall.



On the occasion of Department fest “Machine Minds”, a Technical talk on “Technology in Retail Industry” by Er. Anil Kumar G. K (Technical Director, Undocked Technologies, Bengaluru) , was organized by Dept., of AI&ML on 10th June 2024 for 2nd and 4th Semester students



Department of Electronics and Communication Engineering organized Springer- “International Conference on Wireless Communication and Internet of Everything” (ICWCIE-2024) on 21st & 22nd June, 2024 at Sri Siddhartha Institute of Technology.

Placement News

- More than 100 students got placed in the month of June for various companies like In Time Tec (4 students), ITC INFOTECH (13 students), eLitmus (1 students), Code Young (2 students), Sanketika (10 students), Kalvium (18 students), Technologic Global (3 students), Kalpataru Projects International Ltd (2 students), Mu Sigma (1 student), Rinex (9 students), Biltech (12 students), EdiGlobe Online Services Pvt. Ltd (10 students) and Ever Green Solutions (32 students) and about 115 students got Internship opportunities from 15 companies.

College Events



On the occasion of International Yoga Day IQAC, NSS and NCC units of SSIT, in association with Sreeranga Academy of Yoga, organized Dr. HMG Extramural lecture on “Yoga for self and society” from Yoga Trainer Prof. Punith, Dept of Mechanical Engineering, followed by demonstration from Yoga trainer and his team on 23rd June 2024.



“At Home” get together party was organized for final year UG and PG students by the Dept. of Training and Placement on 14th June 2024. All the placed students were congratulated and a group photo was taken along with the higher authorities, placement officers and placement coordinators.



Sri Siddhartha Institute of Technology, SSAHE Tumakuru had a MoU with Florida International University, Miami, Florida, USA, at Atria Radisson, Bengaluru on 18th June 2024 where Mr.Kenneth G Furton, Professor, Executive Director, Global Forensic and Justice Center, FIU Chief Scientific Officer and Provost Emeritus Designee, Mr.Kevin Lothridge, Deputy Executive Director, Global Forensic and Justice Center, School of Integrated Science and Humanity and Mr. S S Iyengar, Distinguished University Professor, Ryder Professor, Former Director, KFSCIS, FIU Founding director were the team from Florida.

- SSAHE-SSIT was recognized as an active NPTEL local chapter for semester Jan-April 2024 and received certificate of appreciation from NPTEL.
- Semester End Examinations June-2024, for even semester started from 20th June 2024.

Person of the month

P. V. Narasimha Rao (June 28, 1921)

P. V. Narasimha Rao (1921-2004) was an Indian politician who served as the 9th Prime Minister of India from 1991 to 1996. He played a pivotal role in steering India through a significant economic transformation.

Key aspects of his tenure and contributions include:

P. V. Narasimha Rao is best known for initiating major economic reforms that liberalized the Indian economy, moving away from the socialist policies that had been in place since independence. These reforms included reducing tariffs, deregulating industries, and encouraging foreign investment, which laid the foundation for India's economic growth in the subsequent decades. Under his leadership, India transitioned from a closed economy to an open market economy. This period saw the introduction of policies that allowed greater freedom to business-



es and opened up the country to global markets. Rao appointed Dr. Manmohan Singh as the Finance Minister, who played a crucial role in implementing the economic reforms. Singh later became the Prime Minister of India. Rao also made significant strides in foreign policy, improving relations with the United States and initiating the Look East policy, which sought to improve economic and strategic relations with Southeast Asian countries. Despite his substantial

contributions, Rao's legacy is mixed, with criticism over his handling of communal tensions and the controversy surrounding corruption charges that surfaced later in his career. However, he is widely credited for setting India on a path of economic growth and modernization.

Quote of the month



“Our greatest weakness lies in giving up. The most certain way to succeed is always to try just one more time.”

| Thomas Edison



Technical Article

GATE (Graduate Aptitude Test in Engineering)

GATE is one of the most reputed examinations in India, opening so many opportunities for candidates to grow in their careers. It comprises 29 disciplines or subjects as of 2024, and candidates can go for any, depending on their niche and desire.

The majority of students are aiming to crack the GATE exam because it will not only intensify their career growth but also make their future bright and secure. If you are also planning to attempt the GATE exam, it is necessary to go through its highlighting points.

What is GATE?

Graduate Aptitude Test in Engineering is an All-India test authorised and managed in eight regions across the country. The exam is conducted by the GATE Committee, comprising faculty members from IISc and seven other IITs on behalf of the Ministry of Human Resources Development, National Coordinating Board and Dept of Education. The purpose of the GATE exam is to test students' knowledge in subjects like Engineering and Science.

The GATE scorecard is also used by multiple PSUs (Public Sector Undertakings) to recruit applicants for distinguished jobs at Indian Oil, GAIL and Hindustan Petroleum, etc.

GATE Organising Institutes: The Important Assets Taking the GATE Examination Forward!

GATE (Graduate Aptitude Test in Engineering) – Certainly, this examination needs no introduction if you belong to the engineering and science industry. It is one of the most prestigious examinations in the country that comprises numerous benefits. However, if you are a newbie in this whole concept of GATE and the examination procedure, then you might be wondering who is handling all the massive setups of this prominent examination. Well, it is none other than the most promising institute in India: IIT (Indian Institute of Technology).

Yes, this prestigious exam is administered by the GATE Committee, comprising faculty members from IISc Bangalore and seven other IITs on behalf of the Ministry of Human Resources Development, the National Coordinating Board, and the Dept of Education. You can check the name of the organising institutes for the GATE examination in the table below.

Year	Organizing Institute	Year	Organizing Institute
2024	IISc, Bangalore	2020	IIT, Delhi
2023	IIT, Kanpur	2019	IIT, Madras
2022	IIT, Kharagpur	2018	IIT, Guwahati
2021	IIT, Bombay	2017	IIT, Roorkee

Why GATE Exam?

- The GATE Exam scores are also used by some renowned foreign universities, including Nanyang Technological University (Singapore), National University of Singapore (Singapore), Technical University of Munich (Germany), and Aachen University (Germany), etc. So, if you ever dream about studying abroad, here is your chance.

- The job opportunities for ME/M.Tech graduates are popular in the industry. But this is when you pursue your ME/M.Tech Course from a renowned university or college, and for that, you need to clear GATE Exam.

- The GATE scorecard is also considered by the PSUs. So, get ready for these popular engineering-related jobs.

- This examination will allow you to sharpen your skills and polish your knowledge in your desired discipline.

About GATE Exam

GATE exam is a national-level test organised for aspirants who want admission to Master's programmes or post-graduate engineering (ME/M.Tech) or analysis courses at top institutes in India such as IITs, NITs, IIITs, etc.

Qualifying Disciplines for GATE Exam

As per the revised mechanism, GATE includes 29 disciplines or papers from 2024.

Environmental Science and Engineering (ES) and Humanities and Social Science (XS) were two subjects introduced last year. And this year, two new subjects, Naval Architecture and Marine Engineering, and Geomatics Engineering, were added. So, the total number of papers increased to 29.



| Mr. C R Mohan Kumar
Assistant Professor

Dept. of ECE

July Notifications

- i) Faculty of various Department s to complete their Ph.D viva-voce
- ii) Enrolment to Cop connect Certification Program
- iii) Sports Day for faculty
- iv) Industrial Visits for students
- v) Value Added Courses and FDPs to be conducted
- vi) Conduction of UGC CSIR exams.

PHOTO GALLERY





Sri Siddhartha Education Society (regd.) Estd: 1959

SRI SIDDHARTHA INSTITUTE OF BUSINESS MANAGEMENT

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Honorable Secretary,
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ADMISSIONS OPEN 2024-25



Dr. G. Parameshwara
 Honorable Chancellor, SSAHE

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 - Computer Science & Engg. (Data Science)
 - Computer Science & Engg. (Cyber Security)
 - Electronics & Communication Engg.
 - Electronics & Telecommunication Engg.
 - Electrical & Electronics Engg.
 - Information Science & Engg.
 - Mechanical Engg.
 - Robotics & Artificial Intelligence Engg.

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- Computer Aided Design of Structures
 - Computer Application in Industrial Drives
 - Computer Science and Engg.
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