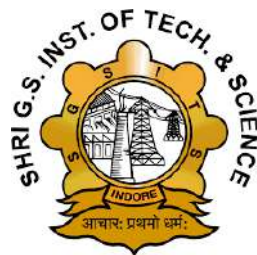


SHRI G.S. INSTITUTE OF
TECHNOLOGY & SCIENCE, INDORE



DEPARTMENT
OF
ELECTRONICS
AND
TELECOMMUNICATION
ENGINEERING

(Established in 1973)

NEWS LETTER
2023
GOLDEN
JUBILEE
EDITION



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

(Established in 1973)

NBA Accredited



Institute vision

A front-line institute in science and technology making significant contributions to human resource development envisaging dynamic needs of the society.

Institute Mission

To nurture experts in science and technology akin to society for its accelerated socioeconomic growth in professional and challenging environments imparting human values.



Department Vision

To be a leading Electronics and Telecommunication engineering department providing education at Graduate, Post-Graduate and research level fulfilling

changing academic and industrial needs to create human resources in the field of modern Electronics and Telecommunication Engineering.

Department Mission

Our efforts are dedicated to educating the students in the field of Electronics and Telecommunication Engineering to create competent professionals with high moral values, social ethics and for pursuing higher education and research.

Message from H.O.D.



Dear Students,

On behalf of the Department of Electronics & Telecommunication Engineering, I wish 2023 batch a successful professional & personal life ahead. The Department wishes that all students should explore the opportunities during their graduation period for their holistic development.

I congratulate all the stakeholders for successful completion of 50 years of academic journey of the department. We hope that all the stakeholders will further come together to take department to new heights.

Prof.(Mrs.) Anjana Jain, HOD, E&TC Dept.

Department of Electronics and Telecommunication, SGSITS, proudly celebrated its Golden Jubilee on 24th November 2023, marking a legacy of innovation and connectivity.



B.Tech, 2023 Passout Batch.



B.Tech, 2023 Admitted Batch.

The Induction program for the Electronics and Telecommunications batch of 2027 at SGSITS, Indore took place on September 8, 2023. Students had the opportunity to engage with the department's HOD and professors, gaining insights into the department's operations. Additionally, they visited the central facilities, enhancing their understanding of the institute's resources.



At the prestigious International Leadership Summit 2023 held in Raipur on August 25-26, the Department's group from SGSITS, Indore, garnered accolades by securing the distinguished Best Tagline Group Award. Their winning tagline, 'Innovating, Exploring, Empowering, experiencing (IEEE) Tech Group,' encapsulated their dedication and vision. This achievement stands as a testament to their commitment to technological innovation and exploration, further solidifying SGSITS' prominence on the global stage. Prof. Anjana Jain, Prof. Anjulta Yadav, Prof. Preeti Trivedi participated in this summit.

Contribution to Society



Prof. Manish Panchal is serving as technical expert in Indore traffic police, police training centre, MPPSC & also for MY hospital Indore.

प्रो. जैन ने इटली यूनेस्को की कार्यशाला में भारत का प्रतिनिधित्व किया



इन्दौर। ग्रामीण परिवेश और दूरस्थ इलाकों में इंटरनेट की उपलब्धता पर चर्चा करने के लिए यूनेस्को के तत्वाधान में ट्राइस्टे कार्यशाला इटली में आयोजित की गई। कार्यशाला में भारत का प्रतिनिधित्व गोविंदराम सेकसरिया इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस इंदौर की टेलीकम्युनिकेशन विभाग की एचओडी प्रोफेसर अंजना जैन ने किया। प्रोफेसर जैन ने अपने उद्बोधन में वर्षों के शोध और अनुभव के आधार पर बताया कि ग्रामीण परिवेश में बेहतर गुणवत्ता के साथ तीव्र गति कनेक्टिविटी अफोर्डेबल कीमतों पर कैसे उपलब्ध करवाई जा सकती है, बताया।



Dr. Anjana Jain, HOD, Electronics and Telecommunication, SGSITS, showcased a poster during the European Summer School in Information Theory 2023 held at University of Bristol from 17th-21st July 2023.



To mark World Telecommunications and Information Society Day, the Department of Electronics and Telecommunications at SGSITS held a project exhibition on May 17, 2023, from 12:30 to 1:30 PM, at the Electronics Workshop and Digital Lab.

During the event, students presented projects emphasizing the significance of telecommunications and information technology.



Professor S. V. Charhate retires after 38 years of dedicated service since 1985, leaving behind a legacy of excellence and commitment.



Mr. N.L. Patidar, Assitant grade-III retired in the month of September 2023. He served almost 38 years in the institute.



Mr. Rajendra Gupta, Instrument Repairer, retired in the month of January 2023.



The department celebrated Teacher's Day with grandeur, uniting 2nd, 3rd, and 4th Year students in a memorable celebration. The event was adorned with a great number of exciting facilities, creating unforgettable memories for all.

START UP ACTIVITY:

Indhan PayGate, a thriving startup at CIDI, SGSITS, incorporates department talents Rohan Warkhede (2nd Year) and Kanak Bhatt (3rd Year) among an 18-member team.

Young Achiever | गेट में टॉपर रह चुके शहर के 3 स्टूडेंट अब आईआईटी से करेंगे एमटेक, बताई अपनी पसंद स्मॉल साइज सर्किट पर काम करने के लिए छोड़ा बड़ा प्लेसमेंट

सिटी रिपोर्टर: इंदौर

जेन्युअर एंटीट्यूट टेस्ट इन इंजीनियरिंग (गेट) में बेहतरीन स्कोर बनाने वाले स्टूडेंट्स को हाल ही में देश के टॉप आईआईटी में प्रवेश मिला है। इसमें इंदौर के तीन स्टूडेंट भारत रहेजा गेट में एआईआर 6, अंबर सोनी एआईआर 48 और अर्पित शर्मा 56वाँ रैंक हासिल कर चुके हैं। तीनों ने एमसीएसआईटीएस के इलेक्ट्रॉनिक्स एंड टेलीकॉम्युनिकेशन ब्रांच से पढ़ाई के दौरान ही गेट की तैयारी की और जीब प्लेसमेंट प्रक्रिया से दूर रहे।

सेमीकंडक्टर पर काफी काम हो रहा

आईआईटी बोम्बे में एमटेक के लिए चयनित हुए भारत का कहना है कि जीटेक में प्रवेश लेने के दूसरे साल से ही तय कर लिया था कि मोबाइल और अन्य इलेक्ट्रॉनिक्स डिवाइस में लगने वाले सर्किट पर काम करना है। सर्किट को छोटा और कम पावर में चलाने लायक बनाया जा रहा है। सेमीकंडक्टर पर देश में काफ़ी काम हो रहा है।



बदलती तकनीक में नए सर्किट चाहिए

अंबर सोनी का कहना है कि इंटेल और क्वालकॉम जैसी कंपनियां दुनियाभर की बड़ी कंपनियों के लिए चिप तैयार करके देती हैं। बहुत ही टेकनोलॉजी के साथ जरूरी हो गया है कि उपकरणों के सर्किट को और बेहतर किया जाए। आगे कई इलेक्ट्रॉनिक्स उपकरण आएंगे। इन्हें संचालित करने के लिए नए सर्किट की जरूरत होगी।



रिसर्च का फायदा समाज को मिलेगा

अर्पित जैन का कहना है कि मुझे इंडियन इंस्टिट्यूट ऑफ साइंस बैंगलुरु में जाने का मौका मिला है। कई स्टूडेंट्स का यहां पढ़ने का सपना रहा है। मैं यहां वीएलएसआई पर काम करूंगा। वह भी कोशिश रहेगी कि इस क्षेत्र में कोई ऐसी रिसर्च की जाए जिसका फायदा समाज के लोगों को मिल सके।



Students of the Electronics and Telecommunications department have secured remarkable ranks in the prestigious exam of GATE 2023. Notably, Bharat Raheja achieved an impressive **AIR of 6**, while Amber Soni secured a commendable **AIR of 48**, and Arpit Sharma distinguished himself with an excellent **AIR of 56**. These outstanding results reflect the dedication and excellence of our students, bringing honor to our department.

Industrial Visit to RRCAT, Indore



Final year students visit RRCAT Indore. Prof. L.D. Malviya, Mr. Sunil Chouhan and Mrs. Harshita Kushwaha coordinated the industrial visit. About 40 students of final year visit various laboratories of RRCAT & learned about the state of the art technologies used in the various fields of engineering & research. They also learned about the Indigenous technologies developed at RRCAT.

Participation in E-yantra at IIT Bombay



Final year students Udit Fand and Vasudev Kersarwani, alongside team member Paarth Parikh, showcased their prowess by clinching the 5th position in the E-yantra competition held at IIT Bombay. Udit Fand and Vasudev Kersarwani belong to our department. Over a seven-month journey, the trio worked on the theme 'Krishi-Bot,' marking their success in this prestigious event."

Media coverage related to students of the department.

SGSITS placements: Highest package of ₹35 LPA so far

Usha Achari
@timesgroup.com

Indore: The first phase of campus placement at Shri GS Institute of Science and Technology (SGSITS) has witnessed the highest package offered to a student of Rs 35.7 lakh per annum (LPA) this year.

Pranjal Jain from electronic communications has secured the highest salary package so far in this phase of placement.

FIRST PHASE

placements followed by Soumya Sahu from electronic and instrumentation engineering. Both have been placed in a global investment banking firm.

Jigyasa Barge from the electrical engineering branch, who bagged the third highest package, has been selected by a tech company. More than 48 companies have participated in the placement drive this year.

"We are focused on enhancing the skill and employability of our candidates through various initiatives, including corporate expert sessions, master classes,

training, internships, and industrial visits. Our aim is to ensure that our students are well-prepared to excel in their chosen fields," training and placement officer RK Anchaliya said.

With the average salary package reaching Rs 12.70 LPA, the first phase has witnessed a promising surge from the average package of previous year—Rs 11.03 LPA. The placements also highlighted the evolving dynamics of the industry. While the participation of IT service-based companies is less than previous years, IT product-based companies are actively seeking skilled professionals, indicating their boom in the market.

The buoyant trajectory of the manufacturing sector, with consistent growth in hiring over the past five years, showcases the college's emphasis on fostering industry-ready professionals. The rise in recruitment by R&D and allied domain companies underscores the diverse opportunities available for SGSITS students. The first phase of campus placements will conclude in November. Over 600 students, who graduated in 2023, were offered placements in the last round.

A LOOK AT PACKAGES OF BATCH '23

MORE THAN 800 JOBS OFFERED

- Overall Avg ₹11.03
- Top 10 Offers ₹24.07
- Top 50 Offers ₹19.55
- Max ₹35.7 LPA
- Top 100 Offers ₹17.04

SELECTIONS IN SECTORS LIKE

- Fintech
- IT Product Based Companies
- Robotics
- Automation
- Engineering & Technology
- R&D
- Electronics

Celebration of successful launch of Chandrayaan-3



On the evening of August 23, 2023, the Electronics and Telecommunication department arranged a live broadcast of the Chandrayaan-3 launch in three rooms within the LT building.

इंजीनियरिंग विद्यार्थियों के बना एयरोक्राफ्ट को तीसरा स्थान



एसजीएसआईटीएस के विद्यार्थियों द्वारा बनाया गया एयरोक्राफ्ट। • सो. संस्थान

इंडोर (नईदुनिया प्रतिनिधि)। श्री गोविंदराम सेन्सर्सरिया प्रौद्योगिकी एवं विज्ञान संस्थान (एसजीएसआईटीएस) की टीम ने 300 से 500 फीट ऊंचाई पर उड़ाने वाला एयरोक्राफ्ट तैयार किया है जो वैट्री से संचालित होता है। एक बार चार्ज करने पर 3.5 किलोमीटर की यात्रा कर सकता है और इसमें एक क्लिओग्राम वजन एक से दूसरी जगह ले जाया जा सकता है। हाल ही में एसआरएम इंस्टीट्यूट चेंबाई में सोसायटी आफ आटोमोटिव इंजीनियर्स (एसएई) द्वारा आयोजित की गई राष्ट्रीय स्तर की एरो डिजाइन प्रतियोगिता में संस्थान की टीम को ओवरऑल तीसरा स्थान प्राप्त हुआ। इसके साथ ही प्रेजेंटेशन चरण में भी टीम तीसरे पायदान पर रही। संस्थान के विद्यार्थी जो महीने से इसे तैयार कर रहे थे। तीन बार के प्रयासों के बाद सफलता मिली। टीम कैप्टन निखार गुप्ता ने बताया

- सोसायटी आफ आटोमोटिव इंजीनियर्स की प्रतियोगिता हुई
- एरो डिजाइन प्रतियोगिता में टीम तीसरा स्थान प्राप्त हुआ

कि रिमोट से इसे संचालित किया है। इसे बनाने में लकड़ी, एलुमिनियम तार, कार्बन फाइबर और अन्य सामग्री का उपयोग किया गया। भविष्य में इसे लकड़ी से बनाने में भी मदद कर सकते हैं और जीपीएस से जोड़ने पर निश्चय लक्ष्य भी इसे पहुंचाया जा सके। टीम में संस्थान की कनिष्ठ, प्रशा, रितिक और वैवेश भी शामिल थे। र के निवेशक प्रो. राकेश सक्सेना जब है कि यह पहला मौका है जब एयरो डिजाइन में भी संस्थान के विद्यार्थी प्रदर्शन कर रहे हैं।

Media Coverage (SRC Club)

आयाम में रोबोटिक युद्ध, उपद्रवी पंक्तियां, पागल धाराएं जैसी रोचक एक्टिविटीज थीं

फोटो: संदीप श्रेय

एसजीएसआईटीएस के फेस्ट आयाम की कलाह्वय रंजक, उपद्रवी पंक्तियां, रोपी क्रिकेट, पागल धाराएं जिनमें खेलों के साथ विज्ञान था। एनएसएस द्वारा तुम्कड़ नाटक महिला सशक्तिकरण खेला गया। कहो कहानी स्पर्धा में लोगों ने कहानियां और कविताएं साझा कीं। स्टूडेंट्स ने सिनेमैटिक शॉट्स लिए। नेचर क्लब द्वारा कलावम में स्टूडेंट्स ने सुंदर बर्तनों को चित्रित किया। शुरुआत निदेशक डॉ. राकेश सक्सेना के उद्घोषण से हुई। मुख्य अतिथि आईएसएम अमित तोमर थे।



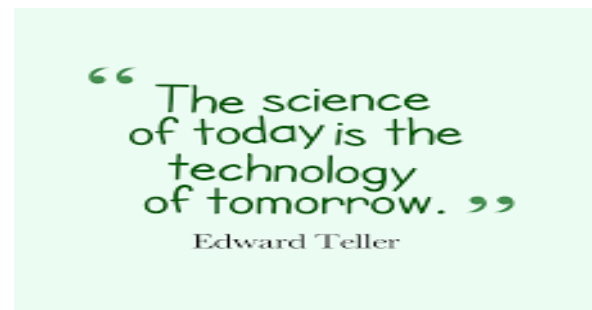
SGSITS Robotics Club organized Kurukshetra 2023 on 16-17th March, 2023. It was part of AAYAM 2023 including events Robo War, Robo Race and Robo Soccer.



SGSITS Indore offers RF and Microwave Laboratory and Antenna Testing Services, led by Dr. S.K. Jain in the department of Electronics and Telecommunications.



The department of Electronics and Telecommunication launched the Alumni Lecture Series. To kickstart this special series, Mr. Bharat Pathak, an esteemed alumnus from the batch of 1989-93 and currently a Senior Principal Engineer at Broadcom, delivered a captivating lecture on February 16, 2023.



Shri G. S. Institute of Technology and Science, Indore
 Department of Electronics and Telecommunication Engineering
 (Established in 1973)
Celebrating Golden Jubilee Year of the Department
"ALUMNI LECTURE SERIES 2023"
Lecture 6: Mentoring for Mentors
Date: June 6, 2023

Name of Alumni: Mr. Satya Prakash Nigam
Batch: 1981-1985
Present Position: Product & Solution Architect, Polygot Programmer, Full Stack Developer
Area of Interest: Image Processing, AI & ML and NLP
Past Experience: Corporate experience of 15 years at Microsoft, Yahoo, Novell & Cisco, Entrepreneur & Free Lancer for 7 years in Logistics, Education, Public Relations, Healthcare, e-Commerce verticals.

Co-ordinators:
 Dr. Anjulata Yadav
 Ms. Deepali Kothari

HoD
 Dept. of E&TC
 Dr. (Mrs.) Anjana Jain

Dr. Jay Prakash Gupta, engineer manager, Logic Technology Development, INTEL Corp, Hillsboro, Oregon, USA, was the speaker for the 8th lecture of Alumni Lecture Series hosted by our department.

Shri G. S. Institute of Technology and Science, Indore
 Department of Electronics and Telecommunication Engineering
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"ALUMNI LECTURE SERIES 2023"
Lecture 4: How to grab Internships and Placement during Graduation
Date: April 05, 2023

Name of Alumni: Ms. Abha Porwal
Batch: 2018-2022
Present Position: SDE @Amazon
Area of Interest: Machine Learning, AI and Software Development

Co-ordinators:
 Dr. Anjulata Yadav
 Ms. Deepali Kothari

HoD
 Dept. of E&TC
 Dr. (Mrs.) Anjana Jain

Ms. Abha Porwal, a distinguished alumna of SGSITS (B.Tech, Class of 2022), delivered a lecture and motivated the students for the placement and higher education. Currently she is working for Amazon.



स्टूडेंट का कृषिबोटिक रोबोट फल व सब्जियां तोड़ने में आएगा काम
 कृषि क्षेत्र में रोबोट का उपयोग होगा। आर्टिफिशियल इंटेलिजेंस का उपयोग करके रोबोट्स को फल व सब्जियां तोड़ने में काम करने के लिए प्रशिक्षित किया जा रहा है।

मॉर्निंग ग्रुप के सहज निदेशक और बुद्धिबल विद्वान् कृष्णचन्द्र ने एमपीएम पर किए इलाक़ाब
उद्यमिता, शोध एवं विक को मिलेगा बढ़ावा

कृषि क्षेत्र में रोबोट का उपयोग होगा। आर्टिफिशियल इंटेलिजेंस का उपयोग करके रोबोट्स को फल व सब्जियां तोड़ने में काम करने के लिए प्रशिक्षित किया जा रहा है।

Society of Automotive Engineers (SAE) Chennai Institute's design competition awards 3rd prize to SGSITS Team 'Falkan' for their sub-1kg aircraft with a remarkable 3.5km long flight. The team consists of Pragya, Devesh, Kanika, Ritika, and Nikhar, with Kanika and Ritika being students from the Electronics and Telecommunication department.

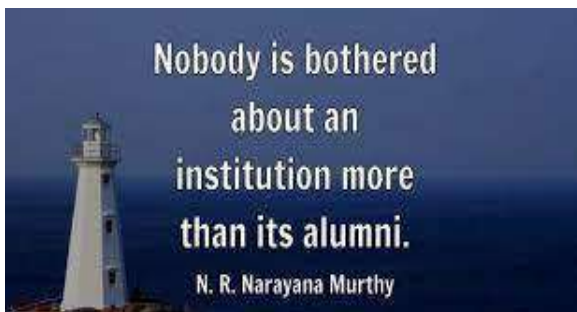


Ms. Himani Lodwal, a distinguished alumna of SGSITS (Bachelor of Engineering, Class of 2016, and Master of Engineering, Class of 2019), has been selected as the Assistant Director at the Department of School Education in the prestigious MPPSC-2020 examination.

Lab Development by Alumni Association



On September 30, 2023, the SGSITS Alumni Association unveiled a groundbreaking initiative to upgrade and modernize Embedded Systems Lab within the Electronics and Telecommunication department. This endeavor aims to bolster students' skill development, innovation, and product design capabilities, fostering a collaborative learning environment for future success. It's a great initiative from SGSITS Alumni Association for upgradation and Modernization of labs in the Department. It will help in fulfillment of student's requirement of skill development, innovation and product design. Electronics and Telecommunication Department, sincerely acknowledge the contribution (Inaugurated today). Hope in future this collaboration will flourish more and students will get benefited.



Expert Lecture



Ms. Ayushi Sahani, Income tax inspector, 2019 passout, interacted with students. She discussed and guided the first year B.Tech students regarding the preparation strategy for various competitive exams like UPSC, MPPSC, SSC etc.

Some glimpses of Alumni Visit to Department



Alumni from the 1997 and 1998 batches, including Mr. Pankaj Risbood, Mr. Neelesh Jain, Dr. Hari N. Bhargava, and Mr. Nitin Agrawal, paid a visit to the department on December 22, 2022. As a part of institute's tradition Alumni day is celebrated on 22nd & 23rd December every year.



Alumni Ms.Swati kamat, Ms.Veena Bhatnagar, Ms. Namrata Bhansali (1987 Batch) visited department on 04th December 2023.



Alumnus & Ex-professor of dept. Ms.Saroj Pathak visited department on 22 November 2023.



Alumnus Mr. Baldeep Chabra from the class of 1998 pays a visit to the department on July 19, 2023.



Prof. Jagdish Pathak, Alumnus & Ex-professor of dept. visited on department on 27th October 2023.



Alumni from the class of 2002 revisited the department on June 22, 2023.

For further details about the Academic, R&D carried out in the department please visit

<https://www.sgsits.ac.in/index.php/departments/electronics-and-telecommunication-engineering>

News compiled by:-

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