

Department of Electronics Engineering NEWSLETTER

<https://satiengg.in/departments/electronics-engineering>



Edition: April-June 2025



Top News

45 students from Electronics Department were placed in Leading Multinational Companies in the AY 2024-25.

Our ten I year students took part in BIS Outreach Quality Connect Campaign.

Spiritual talk of our 2006 Alumni Ex-Google employee Er. Ankur Jain as Munishri Samatva Sagar Ji Maharaj.

Lokendra Singh Chouhan selected for the prestigious GoMP event "Maa Tujhe Pranam Yojna"

Vision

To contribute in service of humanity and nations development by fulfilling the needs of industry and society through technically enriched and competent professionals with social values, entrepreneurship skill, leadership quality and capability of research in the area of Electronics and Instrumentation/ Electronics and Communication.

Mission

M1: By offering well balanced curriculum to impart quality technical knowledge.

M2: By providing them facilities for hands on practice and research.

M3: Inculcating Social values, leadership, ethics, self-confidence, entrepreneurship skills and providing platform to explore their creativity and hidden talents.



Department offers immense scope to explore and expand your horizons.

Two 2-Week Internship training programs were organized on Electronic Circuits Design and Embedded Systems & IoT Devices



BIS Outreach Quality Connect Campaign

The Department of Electronics Engineering at SATI, Vidisha, in collaboration with the Bureau of Indian Standards (BIS), Bhopal, organized the BIS Outreach Quality Connect Campaign on April 3, 2025. The institute has signed a Memorandum of Understanding (MoU) with BIS, Bhopal, and has taken proactive steps by establishing BIS Clubs in five departments, including the Department of Electronics Engineering. These clubs aim to promote awareness and knowledge of Indian Standards among students and faculty members.

As a key initiative under the BIS outreach program, selected students forming 2 teams from BIS Electronics Club, SATI were appointed as 'BIS Manak Mitra.' This designation provided them with an opportunity to educate consumers about Indian Standards, aligning with the celebrations of World Consumer Rights Day 2025. As part of their responsibilities, the students conducted a BIS awareness campaign in Ganj Basoda Tehsil of Vidisha district, where they visited various government offices to share valuable information about BIS initiatives. They provided demonstrations on the BIS Care App, discussed the importance of BIS Standards in ensuring product quality and safety, introduced officials to the BIS Academic Dashboard, and highlighted other essential resources. Through direct interactions, they helped local government employees and officials understand how BIS certifications benefit both consumers and manufacturers. This outreach activity not only enhanced the students' communication skills but also contributed to the larger goal of strengthening consumer rights and awareness.



The Manak Mitra program was effectively coordinated by BIS Electronics Club Coordinator, Dr. Abhishek Jain, and was successfully organized under the guidance of BIS Electronics Club Mentor and Head of the Department, Dr. Ashutosh Datar.



Activities



The initiative was carried out by two dedicated teams consisting of students Yash Thakur, Shreyashi Jain, Ankur Pandey, Hemendra Vyas, Himanshu Dantule, Prakhar Sharma, Farheen Mansoori, Nikita Harode, and Harsh Sharma. Each team worked diligently to ensure that the outreach was impactful and that the information provided was relevant and easily accessible to the public. Two Teams are as follows:

Name	Enrollment No
# Team 1	
Yash Thakur	0108EC241063
Shreyashi Jain	0108EC241053
Hemendra Vyas	0108EC241020
Himanshu Dantule	0108EC241023
Prakhar Sharma	0108EI241002
# Team 2	
Farheen Mansoori	0108EC241018
Naitik Rahane	0108EC241033
Nikita Harode	0108EC241034
Ankur Pandey	0108EC241008
Harsh Sharma	0108EC241019

The efforts of the students and faculty were highly appreciated by the institution's leadership. Dr. Laxmikant Markhedkar, Secretary of the Board of Management, and Dr. Y.K. Jain, Director of SATI, commended the Department of Electronics Engineering for its dedication to promoting awareness of BIS standards. They highlighted that such programs not only enhance students' technical and presentation skills but also play a crucial role in spreading awareness about national quality standards within society. Furthermore, they acknowledged the support of BIS, Bhopal, and the cooperation extended by various government offices in making this initiative a success.

Both the teams visited following departments: Police Station, Ganj Basoda, Janpat Panchayat, Ganj Basoda, Tehsil Office, Ganj Basoda , Govt. Hospital Ganj Basoda, Water Resource Department Ganj Basoda,Pwd Ganj Basoda, Rural Development Department Ganj Basoda, Nagarpalika Ganj Basoda, Forest Department Ganj Basoda, Court Ganj Basoda , Police Station Dehat, Tehsil Office Gulab Ganj , Police Station Gulab Ganj, Law And Judiciary Department Gulab Ganj.





Remarkable Journey: From Electronics Engineer to Spiritual Path

From Google Engineer to Jain Monk: our 2006 alumni Er. Ankur Jain Returns to alma mater SATI as Munishri Samatva Sagar Ji Maharaj After 19 Years

“What is invisible to open eyes can often be seen with closed ones. Engineers first visualized their creations with inner vision—only then could those structures and technologies come into being and become visible to the world.” These profound words were shared by Munishri Samatva Sagar Ji Maharaj, a distinguished disciple of Acharyashri 108 Vishuddha Sagar Ji Maharaj, during his address at the Smart Classroom of Samrat Ashok Technological Institute (SATI) on Friday, June 6.

Munishri is a former student of SATI, having earned his **Bachelor’s degree in Electronics in 2006**, followed by an **M.Tech from BITS Pilani**. He served in several multinational companies, including **Google** and **Motorola**, before renouncing worldly life to embrace monkhood under the guidance of Acharyashri Vishuddha Sagar Ji Maharaj.

Munishri, an alumnus of SATI, spoke passionately on a range of subjects, including the journey from science to detachment (veetragata), the concept of inner engineering, and the art of public speaking.



Faculty members extended a warm and respectful welcome. Present at the occasion were Institute Director Dr. Y.K. Jain, Heads of Departments Dr. Alok Jain, Dr. Rajeev Jain, Dr. Ashish Manoria, Dr. Ashutosh Datar, Registrar Praveen Karkare, along with other faculty and students.

Insights on Education, Transformation, and the Purpose of Religion

Beginning with the chanting of the Namokar Mantra, Munishri addressed the audience by stating, “A student’s intellectual growth continues as long as they remain curious. The moment one stops learning, development ceases. Hence, always remain a seeker.” He emphasized that religion should not just be learned, but understood for its relevance—to understand what it teaches and why it is essential. “If you change yourself, the world will change. I was once a successful engineer in a top company, yet I chose the spiritual path—not as a change in direction, but as a promotion.”

“The greatest engineer is the one who explores the inner self,” he added.



Lessons on Public Speaking and Self-Awareness

Speaking on public speaking, Munishri stressed the importance of reading faces—both others' and one's own. "Look in the mirror every day, and reflect: How selfish or deceitful are we? Work to change that image, so that when we are gone, we are remembered with respect. Let people say 'he was' with honor, not with pity." He advised students to emulate the crow rather than the dog. "When a crow finds a piece of bread, it shares it with others. A dog, on the other hand, does not. Cultivate a sense of community and generosity." He also debunked modern definitions of "smartness": "It's not your smartphone or smartwatch that defines your intelligence—it's your inner quality."

Spiritual Discipline for Success:

Offering practical advice, he urged students to:

- Wake up during Brahma Muhurta (early dawn)
- Avoid late-night and tamasic (heavy or negative energy) food
- Turn towards spiritual knowledge

"Those who are valiant in action will also be valiant in religion. Hence, purify your actions."

The event concluded with resounding chants in praise of Lord Mahavira, and was anchored by Pt. Manoj Narayan Chaturvedi. The event witnessed the enthusiastic participation of faculty, staff and students.

Two 2-Week Internship Training Programs on Electronic Circuit Design and Embedded Systems & IoT Devices organized successfully *Career opportunities will rise significantly for Electronics engineers" – Dr. Y.K. Jain*

The Department of Electronics Engineering at Samrat Ashok Technological Institute successfully concluded two separate internship training programs on **Electronic Circuit Design** and **Embedded Systems & IoT Devices**, held from 16th June to 30th June 2025.





Activities

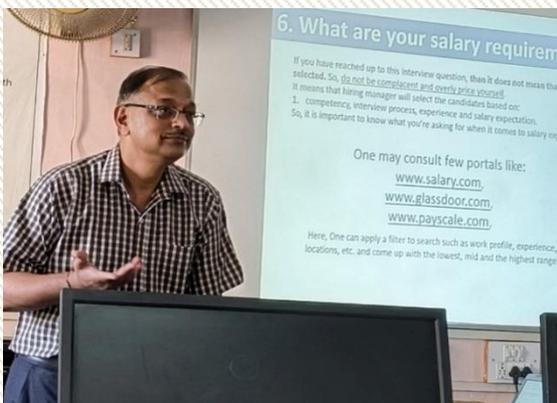


In the Electronic Circuit Design internship, first-year students were taught fundamental and advanced techniques of designing electronic circuits. Concurrently, second- and third-year students underwent hands-on training in Embedded Systems and IoT Devices, where they built and demonstrated Bluetooth-controlled robots.

Students designed various projects on PCB using KiCad software and hardware tools, including automatic traffic light controllers, power supplies, emergency lights, and mobile chargers. They also developed Arduino-based projects and implemented voice-controlled smart home devices using IoT technology.

The Electronic Circuit Design internship was coordinated by **Dr. Ashutosh Datar (HoD), Dr. Abhishek Jain, Dr. Sweety Jain, and Prof. Neeraj Kumar**, while the Embedded Systems & IoT Devices internship was coordinated by **Dr. Ashutosh Datar, Dr. Shilpa Datar, Prof. Krishnagopal Kirar, and Prof. Bharti Mehra**.

Apart from technical learning, a dedicated session on **Personality Development and Interview Skills** was conducted by Dr. Ashutosh Datar, HoD-Electronics Department, helping students become industry-ready.





Activities



On the valedictory ceremony, Institute Director Dr. Y. K. Jain congratulated all coordinators and appreciated the quality of training. He remarked, “The semiconductor industry is witnessing an explosive boom, and now is the perfect time for students to be part of it. India is poised to become a global hub for semiconductor manufacturing and innovation, which will open vast employment opportunities for graduates of **Electronics & Instrumentation** and **Electronics & Communication** branches.





Dean Academics Dr. Alok Jain emphasized the importance of such internships in shaping students' careers and encouraged them to build on this foundation to pursue excellence.

Dr. Ashutosh Datar, Head of the Department, highlighted: "The semiconductor and embedded systems sectors are the backbone of modern technology—from smartphones to electric vehicles. With countless emerging job roles, this field offers a strong and rewarding career path. Our programs in Electronics & Instrumentation and Electronics & Communication Engineering are designed to equip students with the necessary skills to thrive in this dynamic industry, offering both advanced technical knowledge and hands-on experience in semiconductor and embedded design."

At the valedictory ceremony, certificates were awarded to successful participants by Director Dr. Y.K. Jain, Dean Academics Dr. Alok Jain, Dean R&D Dr. Jitendra Parashar, Dr. Manoj Datar, and Dr. Ashutosh Datar.

In their feedback, students praised the internship programs as highly effective and activity-oriented. The event was attended by all department heads, faculty members, staff, and students, with participation from students across various departments.

विद्यार्थियों ने सीखे सर्किट एवं एम्बेडेड सिस्टम्स बनाने के गुर



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अभियांत्रिकी संस्थान के इलेक्ट्रॉनिक इंजीनियरिंग विभाग द्वारा दो सप्ताह से इलेक्ट्रॉनिक सर्किट डिजाइन एवं एम्बेडेड सिस्टम्स एंड आईओटी डिवाइस पर चल रही दो अलग-अलग इंटरशिप प्रशिक्षण कार्यक्रम का सोमवार को समापन हुआ। इलेक्ट्रॉनिक सर्किट डिजाइन प्रशिक्षण कार्यक्रम में प्रथम वर्ष के विद्यार्थियों को इलेक्ट्रॉनिक सर्किट बनाने के समस्त गुर सिखाए गए। वहीं द्वितीय एवं तृतीय वर्ष के विद्यार्थियों को एम्बेडेड सिस्टम्स एंड आईओटी डिवाइस पर हेड्स-ऑन प्रशिक्षण दिया गया। विद्यार्थियों ने ब्लूटूथ कंट्रोल रोबोट बनाना सीखे एवं प्रदर्शन किया। कीबोर्ड सिस्टम सॉफ्टवेयर एवं हार्डवेयर दोनों से पीसीवी पर प्रोजेक्ट बनाये जिनमें आटोमेटिक ट्रैफिक लाइट नियंत्रण पावर सप्लाय, इमरजेंसी लाइट मोबाइल चार्जर आदि प्रमुख थे उन्होंने आर्डिनो पर कई प्रोजेक्ट बनाना सीखे तथा आईओटी आधारित आवाज से घरेलू उपकरणों को नियंत्रित करना सीखा। इस प्रशिक्षण के दौरान विभागाध्यक्ष डॉ. आशुतोष दातार ने परसनल इंटरच एवं तकनीकी विषय के सत्र भी लिए। इलेक्ट्रॉनिक सर्किट डिजाइन इंटरशिप के कोऑर्डिनेट विभागाध्यक्ष डॉ. आशुतोष दातार, डॉ. अभिषेक जैन, डॉ. स्वीटी जैन एवं प्रो. नीरज कुमार थे। वहीं एम्बेडेड सिस्टम्स एंड आईओटी डिवाइस इंटरशिप के कोऑर्डिनेट विभागाध्यक्ष डॉ. आशुतोष दातार, डॉ. शिल्पा दातार, प्रो. कृष्ण गोपाल किशोर एवं प्रो. भारती मेहरा थे।

कार्यक्रम • सम्राट अशोक अभियांत्रिकी संस्थान में दो सप्ताह की इंटरशिप का समापन

इलेक्ट्रॉनिक्स इंजीनियरिंग में विद्यार्थियों ने सीखे सर्किट डिजाइन और आईओटी के गुर

विद्यार्थियों ने बनाए ब्लूटूथ रोबोट और स्मार्ट डिवाइस

भास्कर संवाददाता | विदिशा

सम्राट अशोक अभियांत्रिकी संस्थान (एसएटीआई) के इलेक्ट्रॉनिक्स इंजीनियरिंग विभाग में 16 से 30 जून तक चली दो अलग-अलग इंटरशिप कार्यक्रमों का सोमवार को समापन हुआ। इनमें प्रथम वर्ष के विद्यार्थियों ने इलेक्ट्रॉनिक सर्किट डिजाइन और द्वितीय-तृतीय वर्ष के विद्यार्थियों ने एम्बेडेड सिस्टम्स व आईओटी डिवाइस पर हेड्स-ऑन प्रशिक्षण प्राप्त किया। विद्यार्थियों ने ब्लूटूथ कंट्रोल रोबोट, ऑटोमेटिक ट्रैफिक लाइट नियंत्रण, पावर सप्लाय, इमरजेंसी लाइट, मोबाइल चार्जर जैसे प्रोजेक्ट बनाए और आईओटी आधारित वॉइस-कंट्रोल डिवाइस विकसित किए।

समापन पर प्रमाण पत्र वितरित

समापन समारोह में डायरेक्टर डॉ. वास्के जैन, डीन अक्रादमिक डॉ. आलोक जैन, डीन डॉ. जितेंद्र पराशर, डॉ. मनोज दातार और विभागाध्यक्ष डॉ. आशुतोष दातार ने सफल विद्यार्थियों को प्रमाणपत्र प्रदान किए। विद्यार्थियों ने फीडबैक में इन प्रशिक्षणों को बेहद उपयोगी और प्रेरणादायक बताया।



(एसएटीआई में 16 से 30 जून तक चली दो अलग-अलग इंटरशिप कार्यक्रमों का सोमवार को समापन हुआ।)

प्रोजेक्ट्स में दिखी तकनीकी दक्षता

इंटरशिप में विद्यार्थियों ने कीबोर्ड सॉफ्टवेयर और हार्डवेयर का उपयोग कर पीसीवी डिजाइन किए। आर्डिनो पर आधारित प्रोजेक्ट्स में उन्होंने स्मार्ट होम डिवाइस बनाना सीखा, जो आवाज से घरेलू उपकरणों को नियंत्रित कर सकते हैं। विभागाध्यक्ष डॉ. आशुतोष दातार ने व्यक्तिगत सहायक और तकनीकी सत्रों के माध्यम से विद्यार्थियों का मार्गदर्शन किया।

सेमी कंडक्टर उद्योग में उज्ज्वल भविष्य

संस्था के डायरेक्टर डॉ. वास्के जैन ने कहा कि सेमीकंडक्टर उद्योग तेजी से बढ़ रहा है। भारत इस क्षेत्र में वैश्विक केंद्र बनने की ओर अग्रसर है। हमारे इलेक्ट्रॉनिक्स एंड इंस्ट्रुमेंटेशन और इलेक्ट्रॉनिक्स एंड कम्युनिकेशन ब्रांच के इंजीनियरों के लिए रोजगार के अवसर तेजी से बढ़ेंगे।

ऐसी इंटरशिप विद्यार्थियों के कैरियर को नई दिशा देती है

डीन अक्रादमिक डॉ. आलोक जैन ने कहा, 'ऐसी इंटरशिप विद्यार्थियों के कैरियर को नई दिशा देती है। इनके आधार पर वे अपने भविष्य को और बेहतर बना सकते हैं।' विभागाध्यक्ष डॉ. आशुतोष दातार ने बताया कि सेमीकंडक्टर और एम्बेडेड सिस्टम्स आधुनिक तकनीक का आधार हैं, जो स्मार्टफोन से लेकर इलेक्ट्रिक वाहनों तक को शक्ति प्रदान करते हैं। इलेक्ट्रॉनिक सर्किट डिजाइन इंटरशिप के कोऑर्डिनेटर डॉ. आशुतोष दातार, डॉ. अभिषेक जैन, डॉ. स्वीटी जैन और प्रो. नीरज कुमार थे। वहीं, एम्बेडेड सिस्टम्स और आईओटी इंटरशिप के लिए डॉ. आशुतोष दातार, डॉ. शिल्पा दातार, प्रो. कृष्ण गोपाल किशोर और प्रो. भारती मेहरा ने मार्गदर्शन किया।



Placements



S. No.	Name	Company	Package
1	Aman Rajput	Acadomer	4 -6 LPA
2	Harshita Rajpoot	Acadomer	4 -6 LPA
3	Aanya Joshi	Acadomer	4 -6 LPA
4	Palak Patel	Acadomer	4 -6 LPA
5	Ritik Lokhande	Acadomer	4 -6 LPA
6	Rahul Patle	Acadomer	4 -6 LPA
7	Piyush chouhan	Acadomer	4 -6 LPA
8	Deepak patle	Acadomer	4 -6 LPA
9	Abhishek Sharma	Acadomer	4 -6 LPA
10	Apeksha Jain	Acadomer	4 -6 LPA
11	Aadika Patel	Cognizant	4 LPA
12	Ananya Dubey	Cognizant	4 LPA
13	Poonam Raut	Cognizant	6.5 LPA
14	Palak Patel	Corizo	4 LPA
15	Neelam Sarathe	Corizo	4 LPA
16	Shobhit Dehariya	Corizo	4 LPA
17	Akshita saxena	Pablearnleadandgrow	3 -4.2 LPA
18	Tanushree Malviya	PlanetSpark	6.5 LPA
19	Ananya Dubey	PlanetSpark	6.5 LPA
20	Mili Singh	PlanetSpark	6.5 LPA
21	Palak Patel	Q Spider	3.5 -5.5 LPA
22	Harshita Rajpoot	Q Spider	3.5 -5.5 LPA
23	Rishu Pandey	Q Spider	3.5 -5.5 LPA
24	Tanushree Malviya	Q Spider	3.5 -5.5 LPA
25	Dunay Thakre	Q Spider	3.5 -5.5 LPA
26	Aarvi Katre	Q Spider	3.5 -5.5 LPA
27	Mahima Tomar	Q Spider	3.5 -5.5 LPA
28	Shraddha Tiwari	RAPIDOPS Solutions Pvt. Ltd.	5.62 LPA
29	Dunay Thakre	RAPIDOPS Solutions Pvt. Ltd.	5.62 LPA



Placements



30	Rohit Vishwakarma	Skill Forge	4.86 CTC
31	Deepak Patle	Skill Forge	4.86 CTC
32	Tanushree Malviya	Skill Forge	4.86 CTC
33	Monal Kewlani	Teachnook	4-6 LPA
34	Harsh Bhagat	Teachnook	4-6 LPA
35	Ananya Dubey	Teachnook	4-6 LPA
36	Apeksha Jain	Teachnook	4-6 LPA
37	Deepak Patle	Teachnook	4-6 LPA
38	Shraddha Tiwari	Teachnook	4-6 LPA
39	Rishu Pandey	Teachnook	4-6 LPA
40	Poonam Raut	Teachnook	4-6 LPA
41	Harshita Rajpoot	Teachnook	4-6 LPA
42	Bhoomika Chourasiya	Skill Forge	4.86 CTC
43	Prachi Mehar	Skill Forge	4.86 CTC
44	Bhoomika Chourasiya	Teachnook	4-6 LPA
45	Prachi Mehar	Teachnook	4-6 LPA

Best wishes to all the placed students for their future endeavors.

We are proud of you !





Student Achievements



Lokendra Singh Chouhan, our third-year student and a dedicated NSS volunteer, has been selected for the prestigious "Maa Tujhe Pranam Yojna" — a five-day exposure visit program initiated by the Government of Madhya Pradesh and the Ministry of Youth Affairs and Sports, Government of Madhya Pradesh.

This unique initiative offers selected youth the opportunity to visit India's international borders, promoting national pride, awareness of defense forces' dedication, and a sense of responsibility toward the nation. The program is designed to foster patriotism, discipline, and national integration among the youth.



Lokendra's selection reflects the impact and importance of being part of the National Service Scheme (NSS). As an NSS volunteer, he has demonstrated consistent commitment to social service, teamwork, and civic responsibility. NSS not only develops leadership and personality among students but also creates avenues for national-level exposure and contribution.

This achievement stands as a proud example of how NSS shapes socially aware and nationally committed individuals. His success is an inspiration to many and a reminder of the importance of youth participation in nation-building activities.

Electronics & Communication Engineering Final Year, Batch 2021-2025



Happy Farewell!

Electronics & Instrumentation Engineering Final Year, Batch 2021-2025



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Dr. Abhishek Jain

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Articles/achievements for the subsequent editions can be submitted at newsletter.electronics@satiengg.in

It's been a remarkable journey with you all. All our efforts were only to bring out the hidden geniuses in you. Each of you has the potential to become the leader of your working spheres. We wish you a bright future and a prosperous life.

Your journey with this organization may stop here, but it is the beginning of another successful part of your life. Our blessings and warm wishes shall always be with you. Bring radiance into your life. We are excited to see your bright future. Always stay connected to the department.

Happy farewell!

**-All faculty & staff
Department of Electronics Engineering**