



Il Jal Sri Gurudev II
Sri Adichunchanagiri Shikshana Trust (R)



SJB Institute of Technology

BGS Health & Education City, Uttarahalli Road, Kengeri, Bengaluru - 560 060

Autonomous Institute under Visvesvaraya Technological University (VTU)



Department of Electrical and Electronics Engineering

NEWS LETTER SATHVA SAMPADA

Issue | Even
22 | 2024-25



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EEE BLOCK



With the blessings of....



**His Divine Soul Padmabhushana
Sri Sri Sri Dr. Balagangadharanath MahaSwamiji
Founder President, Sri Adichunchanagiri Shikshana
Trust**



**His Holiness Parama Pujya
Sri Sri Sri Dr. Nirmalanandanatha MahaSwamiji
President, Sri Adichunchanagiri Shikshana Trust**



**Revered Sri Sri Dr. Prakashanatha Swamiji
Managing Director, BGS & SJB Group of Institutions &
Hospitals**

SERVICE TO MANKIND IS SERVICE TO GOD



About the Department



Prof. & HOD-EEE

Electrical and Electronics Engineering department being one of core department of SJBIT was established in the year 2004 with 60 intakes for UG and lead by Dr. M J Chandrashekar. The department is strengthened with qualified and dedicated Professors, Associate and Assistant professors, further corroborated by abled technical staff.

The breadth and depth of the subject's knowledge and research interests of the academic staff ensures a high standard of lecture courses and provides excellent opportunities for challenging and stimulating thinking of

students. Departments have a state of art research lab, well equipped Laboratories for practical exposure to students. Individual faculty deliver lectures through ICT platform like Apple/iOS, video projections, keynotes, activity and project-based learning process. Continuous evaluation happens through online evaluation and interaction platform like Edmodo.



Board Rank	Name	Designation
Chief Patron	His Holiness Jagadguru Sri Sri Sri Dr. Nirmalanandhanatha Mahaswamiji	Chief Pontiff, Sri Adichunchanagiri Maha Samsthana Mutt
Patron	Revered Sri Sri Dr. Prakashnath Swamiji	Managing Director, BGS & SJB group of Institutions
Editorial Advisor	Dr. K.V.Mahendra Prashanth	Principal, SJBIT
Chief Editor	Dr. M J Chandrashekar	Head of the Department, EEE, SJBIT
Editor	Mr. Mohan B S	Assistant Prof., Dept. of EEE, SJBIT
Student Editors		Alumni Editors
KEERTHANA B G (1JB24EE019- 2 nd Year)	YESHWANTH P N (1JB24EE407- 3 rd Year)	Manish S M (2017-2021 Batch)
NIKHIL K V (1JB24EE030- 2 nd Year)	PUSHPANJALI N (1JB22EE035-4 th Year)	Sandesh V S (2006-2010 Batch)
KEERTHANA C M (1JB23EE022-3 rd Year)	YASHWANTH G N (1JB22EE055-4 th Year)	Aashish Ranjan (2009-2013Batch)
VARSHINI BHASKAR SHETTY (1JB23EE054-3 rd Year)	XENRES DANIYAL NOOR (1JB22EE054-4 th Year)	Chetan R (2005- 2009 Batch)

Instagram	LinkedIn	Facebook	Twitter	YouTube
ID: Sjbiteee	ID: EEE SJBIT	ID: EEE,SJBIT	ID: eeeStm	ID: EEE,SJBIT



Department Vision

To become one among the best departments in engineering and research arena through professional faculty and state of art laboratories and to make the students successful engineers with good ethics.

Department Mission

M1: To provide learner-centric environment through quality education and training

M2: To lay the foundation for research by fortifying peers & establishing incubation center.

M3: To develop the overall personality of the students to face the challenges of the real world.

Program Educational Objectives (PEOs)

PEO 1: Graduates will be employable in industries like power sector, IT sector, embedded/automation sector, allied sectors and adopt to rapidly evolving technologies.

PEO 2: Graduates can embark the interest of pursuing master's degree and/or research in multidisciplinary and trending domains.

PEO 3: Graduates will be employers and self-employed with imbibed leadership qualities, teamwork ingenuity, ethics and societal concerns.

Program Specific Outcome (PSOs)





PSO 1: The Electrical and Electronics Engineering program must demonstrate that graduates can design and analyze systems that efficiently generate, transmit & distribute, measurement, protection and utilization of electric power.

PSO 2: The Electrical and Electronics Engineering program must demonstrate that graduates can understand the Operation of Electrical machines, Drives and their Control using Electronic Circuits and applying to the ever evolving societal and Industrial needs.

PSO 3: The Electrical and Electronics Engineering program must demonstrate design, analyze, implement and test the analog & digital circuits, signal processing, microcontrollers & computer programming.



VTU University Rank

 Asha R (2016-20) 3rd Rank (9.23 CGPA)	 Meghana M (2014-18) 2nd Rank (85.16%)
 Monisha S (2012-16) 6th Rank (85.68%)	 Priyanka D Rao (2013-17) 4th Rank (87.30%)
	 Miss. HARSHITHA S P (2021-25) 2nd Rank (CGPA 9.49)

Get ready to pursue Engineering Education in
one of the **Top Ranked Institution**





BEST PRACTICES

- Regular HRD Training Program
- Guest and expert lectures through Professional bodies.
- Regular Industry visits for Practical Exposure
- National, International Conferences, Workshops, FDP, Seminars
- Regular Orientations, FDPs, and Workshops for both Teaching and Non-Teaching staff.
- Annual Project Exhibitions, Academic Audit (Quality Audit)

Department library

Department Level Techno-cultural Fests

Alumni presentations & Interactions in a systematic manner.

Faculty and student orientation programs.

Proctor system & Parent-Teacher meetings.

Energy Conservation Day, MOOC/NPTEL Course, Course wise Concept Videos

Department NEWSLETTER and MAGAZINE

Prepare to embark on a journey of **excellence in engineering** education at one of the **leading institutions**



Mr. Prakyath D successfully completed his Ph.D in Faculty of Electrical and Electronics Engineering Science from VTU



Karnataka State Council for Science and Technology

48th series of students Project Programme (SPP): 2024-2025

Proposal Reference No: 48S_BE_3845

Project Title: Solar Driven Air Cleanser For Indoor And Outdoor Air Purification

Name of the Guide: Dr. Sandeep S R

Name of the Student(S): Ms. Anupriya S,

Ms. Preethi B & Ms. Spandana K

Amount Sanctioned In Rs: 4500.00

Three Days Workshop on "Skill Enhancement Workshop for Technical Staffs"

Department successfully completion of the three-day workshop, "A Skill Enhancement Workshop for Technical Staff," held from 12th to 14th February 2025 in the EEE Seminar Hall.

Day 1 featured a hands-on session by Taniesh Technologies, Bengaluru, on *UPS & Battery Maintenance*, followed by an *MS PowerPoint* session by Mr. Mohan B.S., Assistant Professor, and a hands-on session by Dr. J P Sridhar, Assoc. Professor, and Mr. Chiranth L N, Assistant Professor.

Day 2 included an *MS Excel* session by Mr. Mohan B.S., an *MS Word* session by Mr. Dwarakanath S K, and a hands-on session by Mrs. Tarakeshwari and Mr. Chiranth L N, Assistant Professors.

Day 3 covered *Document Conversion & Internet Content Usage* by Dr. Rekha P S, *Electrical Safety & Wiring Concepts* by Dr. Sandeep S R, and a hands-on session on *Electrical Wiring* by Dr. Prakyath D, Mr. Vijay Kumar K, and Mr. Kubera U. The workshop concluded with a valedictory function.

Participants greatly benefited from the sessions, enhancing their technical skills.



Organized by

IEEE

Department of Electrical and Electronics Engineering
SJBIT Institute of Technology
Autonomous Institute Affiliated to VTU
Approved by AICTE, Government of India
Accredited by NBA & NAAC, with 'B' Grade
No. 47, 505, 506 and 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

Sessions Details			
Day	Session 1	Session 2	Session 3
12/02/2025	UPS & Battery Maintenance	MS Word & MS PowerPoint	MS Excel & MS Word
13/02/2025	MS Word & MS PowerPoint	MS Excel & MS Word	MS Excel & MS Word
14/02/2025	MS Excel & MS Word	MS Excel & MS Word	MS Excel & MS Word

Registration:
Open to Technical Staff of all Branches

CERTIFICATE:
Certificates will be issued to all the registered and active participants attending all the session on submission of feedback.

Registration fee : ₹ 300/-

Online Transfer Details:
Account Name: SJBIT Institute of Technology
Account No: 288010104792
IFSC: CNRI00002890
Bank and Branch: Canara Bank, BGSIC, Bengaluru

Registration Link
<https://forms.gle/TSyL2bKX56NhsjdQA>

EEE Seminar Hall, SJBIT

Three Days Workshop on "Skill Enhancement Workshop for Technical Staffs"
From 12th to 14th Feb 2025

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Heartfelt Gratitude to Management, Academic Director, Principal, HOD, Staffs and Students for their valuable contribution to the success of the event.

HOD and Class Teachers Orientation to 4th Semester Students

HOD and Class Teacher Orientation
4th sem students
10th and 11th February | 2025



Department HOD, Dr. M. J. Chandrashekar and 4th semester class teacher Mrs. Vimala C. S, conducted an orientation session on 10th and 11th February 2025.

The session provided insights into departmental strengths, achievements, academic progression, and key aspects like CIE and SEE amendments, MOOC courses, placement opportunities, and Centers of Excellence. Students were also briefed on academic requirements, research opportunities, career guidance, and support services.

Head of the department Dr. M. J. Chandrashekar emphasized the 4th-semester curriculum, Autonomous Regulations 2023, internships, projects, AICTE activities, and institutional guidelines on discipline and attendance. The session aimed to

HODs and Class Teachers Orientation to 6th Sem Students

The Head of Department Dr. M J Chandrashekar and Class teacher Dr. Prakyath D addressed the 6th semester students during the orientation program on 20/02/25 and reminded them of the following important academic requirements:

Orientation Highlights:

- **Academic & Professional Growth:** Students encouraged to apply departmental knowledge for career success.
- **Placement Participation:** Regular attendance and serious involvement in placement activities emphasized.
- **Goal Setting & Effort:** Consistent effort and clear goals are essential for academic and placement success.
- **Previous Semester Review:** HOD discussed results, urged improvement, and motivated students.
- **Departmental Activities:** HOD emphasized the calendar of events, urging active participation.

6th Semester Overview:

- i) Fewer theory subjects, more focus on projects.
- ii) Encouraged campus-beneficial projects.



- Advised students to choose a technical topic for their seminar and complete it by the last week of April.
- Instructed students to participate in AICTE activities and ensure proper documentation.
- Reminded students to follow department and VTU guidelines for all academic requirements.
- Cautioned students that non-compliance with university regulations may affect degree completion.

HODs and Class Teachers Orientation to 8th Sem Students

The Head of Department Dr. M J Chandrashekar and Class teacher Mr. Chiranth L N addressed the 8th semester students during the orientation program on 17/02/25 and reminded them of the following important academic requirements:

Orientation Highlights:

- Emphasized the importance of attending internships and submitting reports on time.
- Explained the need to meet their allotted guides regularly for effective mentorship.
- Guided students to complete all assigned tasks within the stipulated deadlines.
- Stressed the necessity of submitting documents, certificates, and reports at least a week before the last working day.



Women's Day Celebration at Department

The Department of Electrical & Electronics Engineering celebrated Women's Day in the Electrical Machines Lab today at 12:30 PM. On this special occasion, several staff members shared their thoughts



on the significance of the day. This was followed by an inspiring address from HOD, Dr. M. J. Chandrashekar, who emphasized the importance of Women's Day.

To conclude the celebration, a cake-cutting ceremony was held for the female staff, making the event even more memorable.

Heartfelt Gratitude to Management, Academic Director, Principal, HOD, Staffs and Students for their valuable contribution to the success of the event.



Guest Lecture on: Technology Advancements in Power System Protection and Industry Expectations

Department conducted a Guest Lecture on 13th March 2025 from 10:45 am to 12:45 pm about Technology Advancements in Power System Protection and Industry Expectations with a resource person Mr. Jagadish Subbaramaiah, Director GBA-Resilience, Energy Transition and Quality Systems, Arcadis Consulting India Private Limited, Bengaluru.

The resource person gives a very good insight into the necessity of power system protection, latest developments in power system protection and different companies involved in the development of





Class Teachers Orientation to 2nd Sem EEE students



Dr. Neethu Patil, Class teachers for 2nd sem EEE students, conducted orientation and students registration on 17/03/2024. The session highlighted the significance of academics, autonomous UG guidelines, department achievements, rank holders, placement statistics, career planning, best practices, MOOCs, AICTE activities, NCMC courses, and the code of conduct, underscoring how these factors are vital in shaping their future success.

Additionally, it emphasized the importance of attending classes regularly, active participation, effective note-taking, problem-solving skills, and formative assessments to enhance learning outcomes. The session also covered recent changes in academic

regulations, extracurricular involvement, and soft skills development to ensure holistic growth and better career prospects for students.

HODs Orientation to 2nd Sem EEE students

Professor and HOD-EEE, Dr. M. J. Chandrashekar conducted an orientation for 2nd semester students on 19/03/2025. The session began by appreciating their 1st-semester results, reviewing individual efforts and areas for improvement. It covered the institution's vision, mission, accreditations, and resources, along with achievements in academics, research, and alumni engagement. The importance of Outcome-Based Education, Bloom's Taxonomy, and updated academic regulations was discussed. Key academic policies, attendance guidelines, internal assessments, and NPTEL/MOOC (SLC) benefits were emphasized. Department activities, the proctor system, and social media presence were highlighted. The session concluded with subject introductions, exam guidelines, and best wishes for academic success.





8.Alumni & Parent Interaction Programs

The PAC members provided valuable insights, constructive feedback, and recommendations for further improvements. Their suggestions will be considered for effective implementation in future academic and skill development initiatives.



Program Assessment Committee (PAC) Meeting

Department of Electrical & Electronics Engineering successfully conducted the Program Assessment Committee (PAC) Meeting on March 19, 2025, at 3:15 PM. The meeting was chaired by Dr. M J Chandrashekar, Head of the Department and Chairman of PAC, along with internal committee members. It commenced with a warm welcome address by the Chairman, who greeted the PAC members and provided an overview of key discussions, including:

- 1.Review of Previous Semester Activities & Outcomes
- 2.Teaching-Learning Innovations & ICT Tools Utilization
- 3.Autonomous Curriculum Framing & Evaluation Processes
- 4.NBA & NAAC Process Status Check
- 5.Skill Enhancement Programs & Industry Collaborations (MoUs, Training, Visits)
- 6.Add-on Courses, Projects, Internships & AICTE Activity Points
- 7.R&D, Co-curricular & Extracurricular Activities

Field/exposure visit to the Mahatma Gandhi Institute of Rural Energy and Development (MGIRED) on 4th April 2025 as a part of IIC activity.

SJBIT INSTITUTE OF TECHNOLOGY
AN AUTONOMOUS INSTITUTION UNDER VISHVESVARAYA TECHNOLOGICAL UNIVERSITY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Organizing Field/Exposure visit to
Mahatma Gandhi Institute of Rural Energy and Development (MGIRED)
As a part of Institution's Innovation Council (IIC) - SJBIT activity

On **04/04/2025, Friday**

Coordinators: Mr. Dwarikanath S K, Mr. Kubera U
HOD: Dr. M J Chandrashekar
Principal: Dr. K V Mahendra Prashanth
Academic Director: Dr. Puttaraju V

Best wishers from Management, Academic Director, Principal, HOD-EEE, Faculties, Staff & Students
E107: COMED K CODE SJBIT E115: CET CODE

Department of Electrical and Electronics Engineering successfully organized a Field/Industrial Visit to



Mahatma Gandhi Institute of Rural Energy Development (MGIRED), Jakkur, Bengaluru as part of the IIC-SJBIT activity for 4th-semester students on April 4, 2025.

This visit provided students with invaluable insights into sustainable energy practices, covering key areas such as power generation through renewable resources, solar energy rooftop installation procedures and regulations, solid waste management, and rainwater harvesting. The exposure inspired students to actively engage with rural challenges, encouraging them to develop mini-projects and renewable energy initiatives. These hands-on experiences not only strengthened their technical knowledge but also nurtured a deeper commitment to sustainable development.



3rd Board of Studies Meeting (BOS) on 5th April 2025

3rd Board of Studies (BoS) Meeting on 05/04/2025, from 10:00 AM to 1:00 PM. The meeting was held in the presence of VTU-nominated BoS members, academic experts, an industrial expert, and department faculty members, to review and discuss the autonomous syllabus and scheme.

The detailed presentation of the 5th and 6th semester syllabus was made by Dr. M. J. Chandrashekar, HOD-EEE, along with the scheme of study from 5th to 8th semester. The external BoS members appreciated the structure, outcome orientation, and efforts taken by the department. They also provided valuable suggestions to further enhance the curriculum in line with emerging technologies and industry relevance.

The session concluded on a positive note, with consensus on incorporating the suggested improvements in the final version of the syllabus.





Celebrations on 7th April 2025 at the Electrical Machines Lab. The celebration commenced at 12:45 PM and was marked by an atmosphere of devotion, unity, and joy among faculty, staff, and students. **Event Highlights:** The event began with a traditional pooja invoking the blessings of Lord Sri Rama. The rituals were performed with great devotion and were beautifully complemented by a soulful devotional song rendered by a student. After the pooja, prasada was distributed to all attendees, which included panaka, kosambari, and other traditional delicacies.

Ram Navami Celebration on 7th April 2025



Industrial Visit and Trip to SUPA Hydel Power House, KPCL, Dandeli on 11th April 2025

Department of Electrical and Electronics Engineering successfully organized a Industrial Visit and Trip to SUPA Hydel Power House, KPCL, Dandeli for 6th-semester students from April 11th to 13th , 2025.

The visit aimed to provide students with practical exposure to large-scale hydroelectric power generation. During the visit, students had the opportunity to interact with industry professionals, observe real-time operations of the power plant, and gain insights into the technical and environmental aspects of hydroelectricity. They also explored Dandeli's natural beauty and concluded the trip with a fun-filled visit to Goa, making the journey both educational and rejuvenating.

Department of Electrical and Electronics Engineering successfully organized the Srirama Navami



Parents Teacher Meeting (PTM) on 12th April 2025

Dept. of EEE conducted Parent teacher meeting PTM for all Semester students on 12/4/25 from 9:00 am onwards. More than 22 parents participated in the meeting. HOD, Proctors and Course Coordinators addressed respective wards academic performance, attendance status, IA marks SEE marks and other co-circular activities. The Dept. of EEE expresses sincere gratitude to the Management, Academic Director and Principal Sir for successful conduction of the event.

SJB INSTITUTE OF TECHNOLOGY
An AUTONOMOUS INSTITUTION UNDER VIVESVARAYA TECHNOLOGICAL UNIVERSITY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PARENT
TEACHERS
MEETING

Work together for better future

12th April 2025
09:00 AM onwards

ECE & EEE BLOCK

Ground Floor
Machines Lab

E107: COMEDK CODE ★ Welcome by EEE Team ★ E115: CET CODE



Alumni Interaction on 16th April 2025

The Department of Electrical and Electronics Engineering, SJBIT, under the ED Cell and EEE Alumni Club, organized an Alumni Seminar on 16-04-2025 (Wednesday) for IV semester students.

The session titled "Lifestyle of a Leader: Mindset, Health and Habits of Successful Entrepreneurs" was delivered by Ms. Anagha A, our proud alumna from



the batch of 2019–2023. Currently an entrepreneur and lifestyle coach, she shared valuable insights on developing a leadership mindset, maintaining physical and mental well-being, and cultivating daily habits essential for personal and professional growth.

Students actively engaged in the interactive seminar, gaining inspiration to incorporate positive lifestyle practices into their academic and career journeys.

The event served as a motivational platform, strengthening the alumni-student bond while encouraging the entrepreneurial spirit and holistic development of students in line with SJBIT's vision and values.



Guest Lecture on “Industrial opportunities on Electronics and how to prepare for them on 17th April 2025

Department successfully conducted a Guest Lecture on “Industrial opportunities on Electronics and how to prepare for them” by a resource person Mr.Saptarshi Pani, Analog Design Engineer, Texas Instruments from 10:45am to 12:45pm on 17th April 2025. The resource person gives insight into the areas of Electronics on which students have to concentrate to get better job opportunities in Electronics industry for both 6th and 4th semester EEE students. He also gives tips about how to write curriculum vitae and how to prepare for a job interview. Students got motivation to think about their future areas of work and how to prepare for the same.





Project based learning and MATLAB Grader for Assignments and Continuous Internal evaluation on 16th April 2025

Department of Electrical and Electronics Engineering successfully completed one day workshop on "Project based learning and MATLAB Grader for Assignments and Continuous Internal evaluation" on 16th April 2025, in PSS Lab. Workshop covered with hands-on topics on MATLAB online usage, MATLAB Drive, PV modelling in Simulink, and MATLAB Grader for students assignment, and scope for Students to learn MATLAB projects through Students Challenge Project by Dr . Riyaz A Rahiman, Senior Application Engineer of Mathworks products at CoreEL Technologies, Bangalore. All the participants were benefited by the workshop.



Guest Lecture on “Overview of Electrical Aspects in 220/66/11KV Receiving Station with Equipment details and their Maintenance on 21st April 2025

Department of Electrical and Electronics Engineering successfully conducted a Guest Lecture on “Overview of Electrical Aspects in 220/66/11KV Receiving Station with Equipment details and their Maintenance” by a



resource person Mr. Madhu Mali, Assistant Executive Engineer (Electrical), KPTCL Receiving Station, Rajajinagar, Bengaluru from 10:45am to 12:45pm on 21st April 2025. The resource person gives insight into the different types of stations and Sub stations and its parts and equipment and their maintenance for 6th semester EEE students. He also gives job opportunities in substation and internships availability in substations for Electrical students and motivated the students to think about their career opportunities in power stations and substation.



Gopal, Vice Chair of the Bangalore Section, and Dr. Parag Jose, Head of CoE E-Mobility at Christ University.



Engaging in workshops, seminars, and conferences on cutting-edge topics such as autonomous vehicles, 5G communications, and electric mobility offers valuable professional development opportunities. These events also serve as excellent platforms for networking, enabling meaningful connections with industry professionals, researchers, and peers in the field of vehicular technology. Additionally, participation in hands-on projects and initiatives provides practical experience, along with access to a wealth of resources that support learning and innovation in this rapidly evolving domain. Such involvement also opens up opportunities for internships, allowing deeper industry exposure and enhancing career prospects.

IEEE VEHICULAR TECHNOLOGY SOCIETY (VTS) STUDENT BRANCH CHAPTER INAUGURAL EVENT on 24th April 2025

IEEE VTS Student Chapter was successfully inaugurated at SJBIT on 24th April 2025, from 9:30 AM to 12:45 PM. The event was graced by the presence of distinguished guests Dr. Anish Cheriyan, Chair of IEEE VTS Bangalore Section, Mr. Thiya





to 29th April 2025, in CS lab by Mr. Mr. Rakshith B S, Senior Application Engineer of MathWorks products at CoreEL Technologies, Bangalore.

Day 1 of Workshop covered Basic operations of MATLAB, Matrix computations, MATLAB environment, variables, and data types, Programming with MATLAB with different operators and Introduction to Model Based Design Simulink

Day 2 of Workshop covered hands-on session on design a Simulink model for a DC Circuit, Mathematically Modelling of differential equation, Simulink model for a DC Source and obtain the input and output voltage waveforms and Battery Modelling. All the participants were benefited by the workshop.

[[JaiSri Gurudev]]
Sri Adichunchanagiri Shikshana Trust (R)

SJB INSTITUTE OF TECHNOLOGY
Autonomous Institute Affiliated to VTU
No. 67, BGS H & E City, Kengeri, Bengaluru-560060.
Accredited by NBA & NAAC with 'A' Grade

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Workshop
on
"Model based design using MATLAB and Simulink"

IEEE **CoreEL** **DO**

Convener
Dr. M J Chandrashekar
Prof & HOD EEE, SJBIT

Chief-Convener
Dr. K. V. Mahendra Prashanth
Principal, SJBIT

Academic Director
Dr. Puttaraju
SJB & BGS Group of Institution

Resource Person
Dr. Riyaz A Rahiman
Senior Application Engineer
MATLAB, CoreEL Technologies

28th & 29th April 2025
Time: 8:30 am
Venue : CS Lab, EEE, SJBIT
Organized by EEE Team, SJBIT, Bengaluru

Two days' workshop on "Model based design using MATLAB and Simulink" from 28th to 29th April 2025, in CS lab

Department of Electrical and Electronics Engineering successfully completed two days' workshop on "Model based design using MATLAB and Simulink" from 28th





The session featured Mr. Vinay, Scientist at ISRO and former Scientific Officer at BARC, who shared valuable insights on:

- Career Planning After Engineering
- Cracking IES/GATE in the First Attempt
- Job Openings in PSUs
- Higher Education Opportunities
- Research Laboratory Careers
- Current Job Interview Trends



Effective Career Planning for Engineering Students on April 29th, 2025.

Department of The Department of Electrical and Electronics Engineering, successfully organized a session on "Effective Career Planning for Engineering Students" on April 29, 2025.



Alumni interaction on 7th May 2025 by Chaya Kumar Software Engineer in Schweitzer Engineering Laboratories, United States to 4th sem EEE students

Department of EEE, organized a alumni interaction on "Embedded Systems: A Gateway to Global Technology Careers" on May 7, 2025. The session was led by esteemed alumnus Mr. Chaya Kumar A (Batch: 2013-17), Software Engineer (Embedded) at Schweitzer Engineering Laboratories, United States. Highlights on the session are listed below:

- Introduction to embedded systems and global career opportunities
- Roles and responsibilities of embedded software engineers
- Essential skills and technologies (C/C++, RTOS, microcontrollers)
- Personal journey and real-world insights
- Building strong technical profiles and networking
- Importance of soft skills and global exposure

The department thanks Mr. Chaya Kumar A for sharing valuable industry experience and practical knowledge. The session was well-received, fostering greater interest in embedded systems and global career planning.



|| Jai Sri Gurudev ||

Sri Adichunchanagiri Shikshana Trust (R)

SJB Institute of Technology
An AUTONOMOUS INSTITUTION UNDER VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Department of Electrical and Electronics Engineering

Seminar by alumni on
"Embedded Systems: A Gateway to Global Tech Careers"

Under EEE Alumni Club

Chief convener
Dr. K V Mahendra prashanth
Principal, SJBIT

Convener
Dr. MJ Chandrashekar
HOD, EEE, SJBIT

Co-ordinator
Mr. Chiranth LN
Assistant professor
Dept. of EEE, SJBIT

Chaya Kumar
Batch: 2013-17
Software Engineer (Embedded)
in Schweitzer Engineering
laboratories, United States

On 07th May 2025

Lecture Hall 001
for IV sem students

Best wishes from Management, Academic director, Principal, HOD EEE, Faculty, Staff and Students SJBIT.



Bengaluru, Karnataka, India
Bgs Global Institute Sjbite Eee & Ece Block, Uttar Halli Kengeri Main
Rd, Kodipalya, Bengaluru, Karnataka 560060, India
Lat: 12.900862° Long 77.496023°
07/05/2025 11:33 AM GMT +05:30



Overseas Higher Education Opportunities Using GATE, GRE, TOEFL, and IELTS" on 8th May 2025

Department of EEE, organized a session on pursuing higher education abroad titled "Overseas Higher Education Opportunities Using GATE, GRE, TOEFL, and IELTS"

Expert speaker: Mr. Vipin K R Mishra, Lead Mentor at IMS GATE Academy, Bangalore, shared valuable insights on:

Standardized tests: GATE, GRE, TOEFL, and IELTS
Country and university selection based on academic and career goals

Writing a strong Statement of Purpose (SOP) and obtaining effective Letters of Recommendation (LORs)

Application timelines, procedures, and scholarship/funding options

GATE-based admissions in countries like Germany and Singapore

Key Highlights:

- GRE for MS admissions in the US and Europe
- TOEFL and IELTS for English language proficiency
- Tips for securing strong LORs and crafting SOPs
- Application timelines and funding options
- Importance of starting preparation early

We appreciate Mr. Vipin K R Mishra's guidance and smile-inducing enthusiasm in empowering our students for global opportunities!





Farewell Function for the outgoing students of the 2021–2025 batch on 10th May 2025

Department of Electrical and Electronics Engineering organized a Farewell Function for the outgoing students of the 2021–2025 batch on 10th May 2025.

On this special occasion, I warmly invite all outgoing students to join us for the farewell function, scheduled on Saturday, 10th May 2025 at 10:30 AM in the EEE Seminar Hall, SJBIT.

Let us come together to cherish the memories and bid a fond farewell.





Self -Learning Course Orientation to 2nd semester 2023 scheme students on 4/6/2025

The orientation on 4th June 2025 highlights the advantages of MOOCs/NPTEL, their role in higher education, and differences between MOOCs and SWAYAM. It includes details on recognized platforms, the 2023 autonomous scheme with course lists, and student completion data. Guidelines for self-learning courses, ABC/APAAR ID creation, and selecting SJB Institute of Technology are covered. It also explains NPTEL local chapter setup, course registration on SWAYAM-NPTEL, eligibility for paid internships, credit transfer before the 7th semester, use as formative assessment, and the value in student resumes.



Students Achievements

As a part of Varchasva-25 2nd semester student of EEE Secured 1st prize in the Poster Making event on 26/04/2025

VTU RANK

The below student secured 2nd rank during the academic year 2024-25 and receiving her degree from Hon'ble Shri Thaawarchand Gehlot, The Governor of Karnataka & Chancellor of VTU on the occasion of 25th VTU Annual Convocation on 4th July 2025.
BATCH: 2021-25



Miss. HARSHITHA S P
(2021-25)

2nd Rank (CGPA 9.49)

4th Board of Studies (BOS) Meeting on 28th June 2025 - First Year 2025 scheme syllabus

Department of Electrical and Electronics Engineering successfully conducted the 4th Board of Studies (BoS) Meeting on 28/06/2025, from 10:00 AM to 12:30 PM. The meeting was held in the presence of all internal BoS members, and department faculty members, to review and discuss the 2025 1st year autonomous scheme and syllabus.



The detailed presentation of the 1st and 2nd sem scheme and the syllabus for the course fundamentals of electrical engineering for 1/2nd semester was made by Dr. M. J. Chandrashekar, HOD-EEE. The internal BoS members deliberated various parameters, outcomes of the curriculum and scheme. They also provided valuable suggestions to further enhance the curriculum in line with emerging technologies and industry relevance.

The session concluded on a positive note, with consensus on incorporating the suggested improvements in the final version of the syllabus.



Five days FDP on INTEGRATED AUTOMATION TECHNOLOGIES- A PRACTICAL APPROACH from 30th June - 4th July 2025.

Heads of the Department, the Departments of Mechanical, ECE & EEE jointly Completed Five -Day Faculty Development Program (FDP) on "INTEGRATED AUTOMATION TECHNOLOGIES- A PRACTICAL APPROACH" between 30th June to 4th July 2025.

The five-day FDP began with Mr. Venkata Subba Rao from Rexroth Bosch introducing foundational concepts in automation. Hands-on sessions on hydraulic systems followed, led by Mr. Shankara D R and Mr. Gowtham K from CETRAT. Day 2 continued the hydraulic training and featured Mr. Santosh from Wipro 3D, who discussed advanced hydraulic integration. Mr. Shyam Prasad from Saatvik Solutions introduced innovations like machine vision and production efficiency automation. Mr. Uday and Mr. Thirumala conducted practical sessions on pneumatic systems. On Day 3, Dr. Supreeth H S G and Mrs. Anushree led hands-on training on sensorics, followed by sessions on drives and control by Mr. Dwarakanath S K and Mr. Vijay Kumar. Day 4 featured PLC system training by Dr. Chethana from CETRAT and a valedictory session with participant feedback and certificate distribution. Day 5 concluded with an industrial visit to KMF, Bengaluru Dairy, providing real-time insights into automation in the dairy sector.

The five-day FDP provided immersive training in



hydraulics, pneumatics, sensors, drives, PLCs, and real-time industrial applications, enriching the technical skills of faculty across departments.

We sincerely thank the Management, Academic Director, Deans, HoDs, faculty, and participants for their valuable support in the successful completion of the FDP.





Monday – A Fun Day activity on 28/07/2025

The afternoon session, held on Monday, 28th July 2025 from 1:30 PM, was filled with laughter, joy, and high energy.

The EEE faculty members actively took part in all the fun events — Musical Chair, Dumb Charades, Acting & Enacting, and Nutting the Ball. Every participant gave their best and contributed with great enthusiasm throughout the games.

Mr. Mohan B S secured the first place in the “Nutting the Ball” event. Prizes were distributed to all the winners by the organizer at the end of the session.



Staff Trip on 31/07/2025

Department Staff club organized one-day trip to B.R. Hills, K.Gudi, and Talakadu was filled with scenic beauty, refreshing moments, and joyful bonding. Faculty members enjoyed every stop, from nature walks to cultural sights and shared meals. The outing offered a perfect break from routine, leaving everyone with fond memories and smiles. A truly memorable and well-spent day together before the commencement of ODD 2025-26 semester





Towards Research -Driven Learning:

Insight from

RV College of Engineering

Jyothy Institute of Technology

B.M.S. College of Engineering

RV College of Engineering

Visited RVCE, Bengaluru on 24th February 2025 as part of its efforts to enhance R&D activities and structured student engagement. The visit focused on understanding how RVCE integrates internships and projects with research in domains like Electric Vehicles (EVs) and Embedded Systems. Dr. Rajvidya's detailed demonstration of the EV development process—from battery assembly to system integration—was particularly insightful.

A heartfelt thanks to the Management, Academic Director, and Principal for their unwavering support in nurturing such initiatives that drive research and innovation at SJBIT.



Jyothy Institute of Technology

Visited the Centre for Incubation, Innovation, Research and Consultancy (CIIRC®) at Jyothy Institute of Technology (JIT) on 30th May 2025 to explore possibilities for initiating R&D activities and establishing an incubation center at SJBIT. The team was warmly received by Dr. Krishna Venkatesh, along with Dr. Mohan and Dr. Anantha Prasad, who provided valuable insights into CIIRC's multidisciplinary Centres of Excellence and industry collaborations. Facilities such as the CoEs in IoT, and PCB Design offered a deeper understanding of integrated R&D and incubation models. This visit served as a motivating step toward building similar ecosystems at SJBIT. Sincere thanks to the Management, Academic Director, and Principal for their continued support in enabling such forward-looking academic initiatives.





B.M.S. College of Engineering



The Department of EEE organized a visit to BMSCE on 30th July 2025 to explore collaborative R&D opportunities and student-centric innovations. The team visited the CND Laboratory, where Dr. Latha Kumari showcased advanced research facilities and ongoing projects funded by DST and VGST. The visit also covered the Centre of Excellence in Solar Photovoltaic and Wind-Solar Hybrid Systems, which offered valuable insights into renewable energy-based student projects. At the E-Studio, a soundproof, IIT-standard recording facility was demonstrated, highlighting its potential use for high-quality academic content creation.

A heartfelt thanks to the Management, Academic Director, and Principal for their continuous support

and motivation in encouraging such initiatives that contribute to the growth of research and innovation at SJBIT.

ABB Nelamangala Campus Smart Factory Visit






SMART FACTORY

Here is an opportunity to visit ABB Smart factory , one of the first in India to transition to Industry 5.0, get to experience cobots(human and robots working together)

Visit Details

April 25th 10:00am - 1:00 pm

Location : ABB

Survey No. 85/3, 85/4, Nelamangala Road, Basavana Halli, Kasaba Hobli, Nelamangala Town, Karnataka 562125

only 30 seats available on first-come first-serve basis



Register

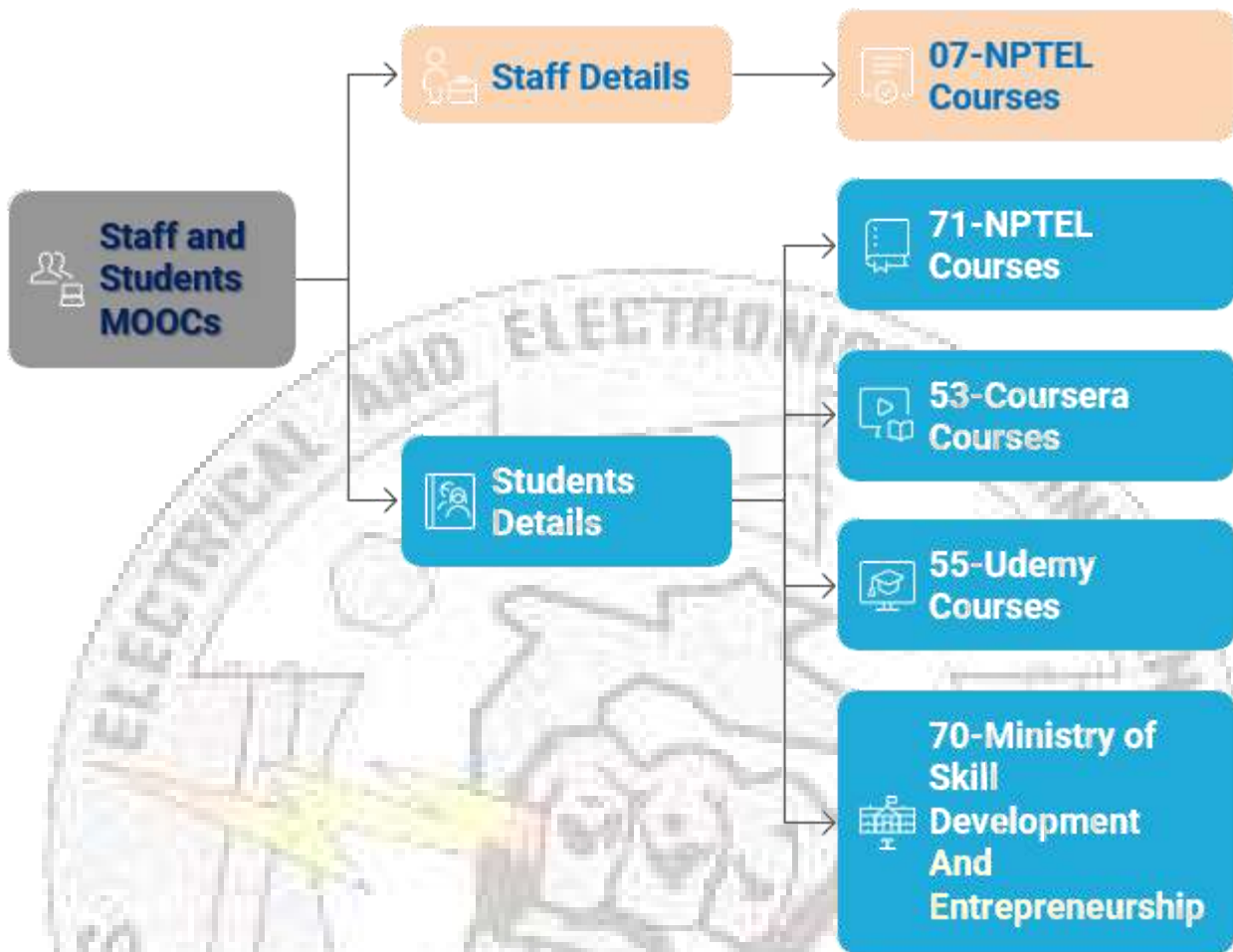


Exclusive for Faculty

Mr. S. K. Dwarakanath, Assistant Professor, Department of EEE, SJBIT, visited ABB's Smart Factory in Nelamangala, Bengaluru, on 25 April 2025 through BITES. The visit offered valuable insights into cutting-edge technologies in industrial automation, smart power solutions, AI integration, and ABB's commitment to sustainability through its Mission to Zero™ initiative.



MOOCs Details for Even 2024-25



PLACEMENT Details for EVEN 2024-25



**HIGHEST
PACKAGE**



Sl. No.	USN	Name of the Student	Company Placed	Pay package	Date of Placement	Core/IT
1	1JB21EE013	Harshitha SP	RDC Concrete (India) Limited	3.6LPA	16-03-2025	Core
2	1JB21EE023	Pooja Mahesh	LG Soft, Brigade Enterprises Private Limited	4.03LPA	24-04-2025	IT
3	1JB21EE004	Ananya Bhat	Tata Electronics Private limited	3LPA	30-05-2025	CORE
4	1JB21EE040	Spandana K	Tata Electronics Private limited	3LPA	30-05-2025	CORE
5	1JB21EE047	Vidyashree	Tata Electronics Private limited	3LPA	30-05-2025	CORE
6	1JB21EE043	Tejaswini N	Tata Electronics Private limited	3LPA	30-05-2025	CORE
7	1JB21EE020	Nikitha	Tata Electronics Private limited	3LPA	09-06-2025	CORE
8	1JB21EE034	Sheetal Sagar	Tata Electronics Private limited	3LPA	09-06-2025	CORE
9	1JB21EE035	Sheetal V	Tata Electronics Private limited	3LPA	09-06-2025	CORE
10	1JB22EE404	Darshan B N	Mitsubishi Elevator India Pvt Ltd	3.9LPA	07-07-2025	CORE
11	1JB21EE032	Satyam C	AMPIN Energy	3.36 LPA	06-08-2025	CORE
12	1JB22EE054	Xenres Daniyal Noor	Hokuto Corporation	26 LPA	07-08-2025	IT

FACULTY FDP Details for Even 2024-25

Sl. No.	Faculty Name	Designation	FDP Title	Date	Place
1	Mr. Mohan B S	Assistant Professor	IOT and Cyber Security in Power systems	3/02/2025 to 8/02/2025	Atal online
2	Mr. Mohan B S	Assistant Professor	6 days FDP on Indian Knowledge system (IKS)	17/02/2025 to 22/02/2025	Vidyavaedha ka collegw of engineering, Mysore
3	Mr.Dwarakanath S K	Asst. Prof	FDP on Energy Management system in Sustainable Resources	17 th to 22 nd March 2025	online
4	Mr. Kubera U	Asst. Prof	FDP on Energy Management system in Sustainable Resources	17 th to 22 nd March 2025	online



5	Mrs.Tarakeshwar i V	Asst. Prof	FDP on Energy Management system in Sustainable Resources	17 th to 22 nd March 2025	online
6	Dr. Sandeep S R	Asso.Profess or	FDP on Energy Management system in Sustainable Resources	17 th to 22 nd March 2025	online
7	Mr.Chiranth L N	Asst. Prof	FDP on Energy Management system in Sustainable Resources	17 th to 22 nd March 2025	Online
8	Mr.Vijay Kumar K	Asst. Prof	FDP on Energy Management system in Sustainable Resources	17 th to 22 nd March 2025	online
9	Dr.M J Chandrashekar	Professor	FDP on Energy Management system in Sustainable Resources	17 th to 22 nd March 2025	online
10	Mrs.Anusha D Y	Asst. Prof	FDP on Energy Management system in Sustainable Resources	17 th to 22 nd March 2025	online
11	Mrs.Suma C	Asst. Prof	FDP on Energy Management system in Sustainable Resources	17 th to 22 nd March 2025	online
12	Mrs.Vimala C S	Asst. Prof	FDP on Energy Management system in Sustainable Resources	17 th to 22 nd March 2025	online
13	Dr. J P Sridhar	Assoc. Professor	FDP on Energy Management system in Sustainable Resources	17 th to 22 nd March 2025	online
14	Dr. J P Sridhar	Assoc. Professor	Three days' workshop on Harnessing open-source tools for power system research	29 th to 31 Jan 2025	online
15	Mr.Vijay Kumar K	Asst. Professor	NBA Accreditation and Teaching and Learning in Engineering (NATE)	12 weeks (Jan to April 25)	NPTEL
16	Mr. Mohan B S	Assistant Professor	NBA Accreditation and Teaching and Learning in Engineering (NATE)	12 weeks (Jan to April 25)	NPTEL
17	Mrs.Tarakeshwar i V	Asst. Prof	NBA Accreditation and Teaching and Learning in Engineering (NATE)	12 weeks (Jan to April 25)	NPTEL
18	Dr.M J Chandrashekar	Professor	NBA Accreditation and Teaching and Learning in Engineering (NATE)	12 weeks (Jan to April 25)	NPTEL
19	Dr. Rekha P S	Asso. Professor	Mastering Speaking and Presentations: A case-based approach	8 weeks (Feb to April 25)	NPTEL
20	Dr. Rekha P S	Asso. Professor	FDP on Power Electronics & its applications in sustainable energy sector	28 th April to 2 nd May 2025	online



21	Dr. Prakyath D	Asst. Prof	NBA Accreditation and Teaching and Learning in Engineering (NATE)	12 weeks (Jan to April 25)	NPTEL
22	Dr. Sandeep S R	Asso. Professor	Educational Technology and ICT	12 weeks (Jan to April 25)	NPTEL
23	Mr.Chiranth L N	Asst. Professor	5 days FDP on Integrated Automation Technologies- A practical approach	30 th June to 4 th July 2025	CETRAT SJBIT
24	Mr. Kubera U	Asst. Professor	5 days FDP on Integrated Automation Technologies- A practical approach	30 th June to 4 th July 2025	CETRAT SJBIT

FACULTY SEMINAR Details for Even 2024-25

Sl. No.	Faculty Name	Designation	Seminar/webinar Title	Date	Place
1	Tarakeshwari V	Assistant Professor	Scientific writing & publishing by Springer Nature	19/02/2025	online
2	Dr. Sandeep S R	Assoc. Professor	Scientific writing & publishing by Springer Nature	19/02/2025	online
3	Dr. J P Sridhar	Assoc. Professor	Scientific writing & publishing by Springer Nature	19/02/2025	online

TECHNICAL STAFF TRAINING Details for Even 2024-25

Sl. No.	Technical staff Name	Designation	Training Title	Date	Place
1	Mrs. Harini H R	Instructor	Microsoft office Advance	21 st to 23 rd July 2025	ISE SJBIT
2	Mrs. Ranjitha H.G				ISE SJBIT



STAFF Paper Publication Details for Even 2024-25

Sl. No.	Date of publication (DD/MM/YYYY)	Author name	Name of the co-author/s	Work Type	Title of Paper	Name of the journal/Book title	Publisher	URL of the paper
1	18/07/2025	Vijay Kumar Kalal	Shankaralingappa Channappa Byalihal	International Journal	Enhancement of large PV-integrated grid stability using an advanced UPQC	International Journal of Power Electronics and Drive Systems (IJPEDS)	Institute of Advanced Engineering and Science (iaes)	https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/23833
2	3/6/2025	Mr. Kubera U	Darshan B R, Manu P D, Narendra C N, Rashmi B	International Journal	Optimal Allocation of Facts Device for Improvement of Voltage Profile in Power System	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	IJAREEIE	https://ijareeie.com/upload/2025/june/14_Optimal%20Allocation%20of%20Facts%20Device%20for%20Improvement%20of%20Voltage%20Profile%20in%20Power%20System.pdf
3	23/5/2025	Mr. Mohan B. S	Arpitha M2, Pallavi M3, Pooja Mahesh4	International Journal	Internet of Things Based Automated Smart Snacks Vending Machine with Digital Payment	International Journal of All Research Education and Scientific Methods (IJARESM)	IJARESM	https://www.ijaresm.com/internet-of-things-based-automated-smart-snacks-vending-machine-with-digital-payment
4	9/05/2025	Vimala Channapatna Srikantappa	Seshachalam Devarakonda	International Conference	LSTM Neural Network based Li-ion Battery cycle Forecast	International Conference on Recent Innovations in Engineering Science and Technology (ICRIET-2025)	-	-
5	8/5/2025	Vijay Kumar K	Shivakumar R S, Shivasharanappa V H, Varun N S and Yashas Gowda P	International Journal	Accident Prevention of Electric Traction	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	IJIRSET	https://www.ijirset.com/upload/2025/may/32_Accident.pdf
6	8/5/2025	Vijay Kumar K	Anand, Achinth V N, Satyanarayana B, Suchinth V N	International Journal	Conical Collector Solar Water Heater for Rural Applications	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	IJIRSET	https://www.ijirset.com/upload/2025/may/35_Conical%20Collector.pdf
7	22/4/2025	Tarakeshwari V	G Lochan, Rahul U, Satyam Choudhary	International Journal	500 W Sine Wave Inverter	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	IJIRSET	https://www.ijirset.com/upload/2025/april/366_500.pdf



8	12//4/2025	Dr. M J Chandrashekar	Harshitha S P, Sana Kousar and Sheetal sagar	National Conference	IOT Based Energy Monitoring & Billing System Dr. M J Chandrashekar	Two-day National conference on Innovation and Technology (NCIT-2025)	-	-
9	8/4/2025	Dr. Rekha P S	Sheetal V, Pruthvi Gowda, Hema Surendra and Rakshitha S	National Conference	Smart Noise Pollution Monitoring and Control System	National Conference on Trends and Emerging Concepts in E&E Engineering (TECEEE-2025)	TECEEE-2025	-
10	4/4/2025	Dr. Rekha P S	Madhav Kumar, Kaibalya Prasad Panda, Ritula Thakur, Gayadhar Panda	International Conference	Artificial Neural Network-Based Fault Detection and Classification in Active Distribution Networks	International Conference on "Energy, Environment and Green Technology"(ICEE GT-2025)	ICEEGT-2025	-
11	4/4/2025	Dr. Rekha P S	Madhav Kumar, P. S. Rekha, Arvind Rai, Ankur Rai, Kaibalya Prasad Panda, Ritula Thakur, Gayadhar Panda	International Conference	Efficient Power Management for Hybrid Energy Source-Based Electric Vehicle Charging Infrastructure	International Conference on "Energy, Environment and Green Technology"(ICEE GT-2025)	ICEEGT-2025	-
12	3/4/2025	Dr. Rekha P S	Madhav Kumar, P. S. Rekha, Arvind Rai, Ritula Thakur, Gayadhar Panda	International Conference	Optimized Energy Scheduling for Smart Home Appliances in Demand Response Programs	International Conference on "Energy, Environment and Green Technology"(ICEE GT-2025)	ICEEGT-2025	-
13	22/03/2025	Dr Sandeep S R	Akshay Kumar S, Dr. Prema V, Sneha S Mallur	International Conference	Performance Comparison for Speed Control of BLDC Motor for Different Switching Devices	2024 International Conference on Sustainable Power & Energy (ICSPE)	IEEE	https://ieeexplore.ieee.org/document/10924380
14	19/03/2025	Dr. Sandeep S R	Anupriya S, Preethi B, Spandana K	International Journal	Solar Driven Air Cleanser: Sustainable Solutions for Indoor and Outdoor Air Quality	International Journal of All Research Education and Scientific Methods (IJARESM)	IJARESM	-
15	19-03-2025	Dr. Rekha P S	PAVAN KUMAR R, DARSHAN D & RAKSHITH	International Journal	AI Driven Waste Conversion to Clean Energy	International Journal of Innovative Research in Science	IJIRSET	https://www.ijirset.com/upload/2025/march/105_AI%20Driven.pdf



			GOWDA R			Engineering and Technology (IJIRSET)		
16	2-03-2025	Chiranth L N	Darshan B N, Darshan T R, Divya Jyothi E, Sagar H M	International Journal	IoT Based Forest Fire Detection System	Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	IJAREEIE	https://ijareeie.com/upload/2025/march/13_IoT.pdf
17	25-02-2025	Dr. J P Sridhar	Vignesh P Shinde, Amith Kiran Kumar, Vishwas M, Darashan Gowda K	International Journal	Energy Generation from Sound Waves and Vibrations.	International Journal of All Research Education and Scientific Methods (IJARESM)	IJARESM	https://www.ijaresm.com/uploaded_files/document_file/Dr._J._P._Sridhar_wM_QM.pdf
18	22-02-2025	Tarakeshwari V	Darshan A C , Darshan G K , Pavan H S , Sharath Kumar G M	International Journal	Four Quadrant Operation of Dc Motor using PID Controller	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	IJIRSET	https://www.ijirset.com/
19	15-02-2025	Suma C	Rakshith Gowda T S, Chethan Gowda C U, Ullas M Gowda, Anjaneya P M	International Journal	Renewable Energy based Microgrid Energy Management System using MATLAB/ Simulink	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	IJIRSET	https://www.ijirset.com/
20	10-02-2025	Dwarakanath S K	Dwarakanath S K, Sinchana K, Tanushree R and Varshini T N	International Journal	Artificial Intelligence Powered Electrical Fault Detection	International Journal of All Research Education and Scientific Methods (IJARESM),	IJARESM	https://www.ijaresm.com/uploaded_files/document_file/Dwarakanath_S_K2Um1.pdf
21	10-02-2025	Dr.J.P Sridhar	Ananya Bhat P G, Anushree L and Tejaswini N	International Journal	Solar Water Based Body Cleaning Robot	International Journal of Creative Research Thoughts (IJCRT)	IJCRT	http://ijcrt.org/viewfull.php?&p_id=IJCRT2502171
22	16-01-2025	Dr. Rekha P S	Madhav Kumar , Kaibalya Prasad panda, Ritula Thakur and Gayadhar Panda	International Conference	Design a High Gain DC-DC Converter for Fuel Cell Based Electric Vehicle System	National Seminar On "Green Energy, Environment and Technology" (Towards the Sustainable Future)	NSGEET-2025	-



STUDENTS Paper Publication Details for Even 2024-25

S. No.	Date of publication (DD/MM/YYYY)	Name of the author/s	Work Type	Title of the Paper	Name of the journal/Book title	Publisher	URL of the paper
1	3/6/2025	Darshan B R, Manu P D, Narendra C N, Rashmi B	International Journal	Optimal Allocation of Facts Device for Improvement of Voltage Profile in Power System	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	IJAREEIE	https://ijareeie.com/upload/2025/june/14_Optimal%20Allocation%20of%20Facts%20Device%20for%20Improvement%20of%20Voltage%20Profile%20in%20Power%20System.pdf
2	23/5/2025	Arpitha M2, Pallavi M3, Pooja Mahesh4	International Journal	Internet of Things Based Automated Smart Snacks Vending Machine with Digital Payment	International Journal of All Research Education and Scientific Methods (IJARESM)	IJARESM	-
3	8/5/2025	Shivakumar R S, Shivasharanappa V H, Varun N S and Yashas Gowda P	International Journal	Accident Prevention of Electric Traction	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	IJIRSET	https://www.ijirset.com/upload/2025/may/32_Accident.pdf
4	8/5/2025	Anand, Achinth V N, Satyanarayana B, Suchinth V N	International Journal	Conical Collector Solar Water Heater for Rural Applications	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	IJIRSET	https://www.ijirset.com/upload/2025/may/35_Conical%20Collector.pdf
5	22/4/2025	G Lochan, Rahul U, Satyam Choudhary	International Journal	500 W Sine Wave Inverter	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	IJIRSET	https://www.ijirset.com/upload/2025/april/366_500.pdf
6	12/4/2025	Harshitha S P, Sana Kousar and Sheetal sagar	National Conference	IOT Based Energy Monitoring & Billing System Dr. M J Chandrashekar	Two-day National conference on Innovation and Technology (NCIT-2025)	-	-
7	8/4/2025	Sheetal V, Pruthvi Gowda, Hema Surendra and Rakshitha S	National Conference	Smart Noise Pollution Monitoring and Control System	National Conference on Trends and Emerging Concepts in E&E Engineering (TECEEE-2025)	TECEEE-2025	-
8	19/03/2025	Anupriya S, Preethi B, Spandana K	International Journal	Solar Driven Air Cleanser: Sustainable Solutions for Indoor and Outdoor Air Quality	International Journal of All Research Education and Scientific Methods (IJARESM)	IJARESM	-



9	19-03-2025	Darshan B N, Darshan T R, Divya Jyothi E, Sagar H M	International Journal	IoT Based Forest Fire Detection System	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	IJAREEIE	https://www.iareeie.com
10	02-03-2025	Pavan Kumar R, Darshan D, Rakshith Gowda R	International Journal	AI Driven Waste Conversion to Clean Energy	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	IJIRSET	https://www.ijirset.com/upload/2025/march/105_A1%20Driven.pdf
11	25-02-2025	Vignesh P Shinde, Amith Kiran Kumar, Vishwas M, Darashan Gowda K	International Journal	Energy Generation from Sound Waves and Vibrations.	International Journal of All Research Education and Scientific Methods (IJARESM)	IJARESM	https://www.ijaresm.com
12	22-02-2025	Darshan A C , Darshan G K , Pavan H S , Sharath Kumar G M	International Journal	Four Quadrant Operation of Dc Motor using PID Controller	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	IJIRSET	https://www.ijirset.com/
13	15-02-2025	Rakshith Gowda T S, Chethan Gowda C U, Ullas M Gowda, Anjaneya P M	International Journal	Renewable Energy based Microgrid Energy Management System using MATLAB/ Simulink	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	IJIRSET	https://www.ijirset.com/
14	10-02-2025	Sinchana K, Tanushree R and Varshini T N	International Journal	Artificial Intelligence Powered Electrical Fault Detection	International Journal of All Research Education and Scientific Methods (IJARESM)	IJARESM	https://www.ijaresm.com/uploaded_files/document_file/Dwarakanth_S_K2Um1.pdf
15	10-02-2025	Ananya Bhat P G, Anushree L and Tejaswini N	International Journal	Solar Based Water Body Cleaning Robot	International Journal of Creative Research Thoughts (IJCRT)	IJCRT	http://ijcrt.org/viewfull.php?&p_id=IJCRT2502171



FACULTY ACHIEVEMENTS for EVEN 2024-25

1. Dr. M J Chandrashekar, Dr. Prakyath D, Vijaykumar K and Suma C participated in Five days Faculty Development Program on “Strategic OBE implementation for accreditation compliance organized by ECE Department from 21/07/2025 to 25/07/2025.
2. Dr. J. P. Sridhar attended a professional development program titled “Quality Assurance through NAAC Accreditation Process” held at NITTTR Extension Centre, Kalamassery, from 21st to 25th July 2025.
3. Dr. M. J. Chandrashekar reviewed research papers for the 9th International Conference on Computational Systems and Information Technology for Sustainable Solutions, scheduled to be held from November 20 to 22, 2025, at RV College of Engineering.
4. Dr. Prakyath D reviewing papers for the International Conference on Agrivoltaics Innovations Focusing on Smart Farming with Renewable Energy, Machine Learning and Embedded Technologies which the conference will be in December.
5. Vijaykumar K Published paper on Enhancement of Large PV integrated Grid stability using an advanced UPQC in IJPEDS Journal Vol 16, June 2025.
6. Dr. M J Chandrashekar - reviewed the papers submitted to the 3rd International Conference on Networks, Multimedia, and Information Technology (NMITCON-2025) in the month of June 2025.
7. Around 7 faculty members from the EEE Department earned certifications from NPTEL.
8. Eight faculty members from the EEE Department obtained NPTEL FDP certifications in May 2025.
9. Dr. M. J. Chandrashekar served as a Session Chair at the International Conference held on 30th May 2025 at DBIT, Bengaluru.
10. Title of Paper: *LSTM Neural Network based Li-ion Battery Cycle Forecast* is published by Vimala CS in International Conference on Recent Innovations in Engineering Science and Technology (ICRIET-2025) on 09/05/2025.
11. Mr. Mohan B. S published a research paper titled "Internet of Things Based Automated Smart Snacks Vending Machine with Digital Payment" in the International Journal of All Research Education and Scientific Methods (IJARESM), Volume 13, Issue 5, May 2025, on 23rd May 2025.
12. A research paper titled "Accident Prevention of Electric Traction" was published in the International Journal of Innovative Research in Science Engineering and Technology (IJIRSET), Volume 14, Issue 5, May 2025, on 8th May 2025 by Vijaykumar K.

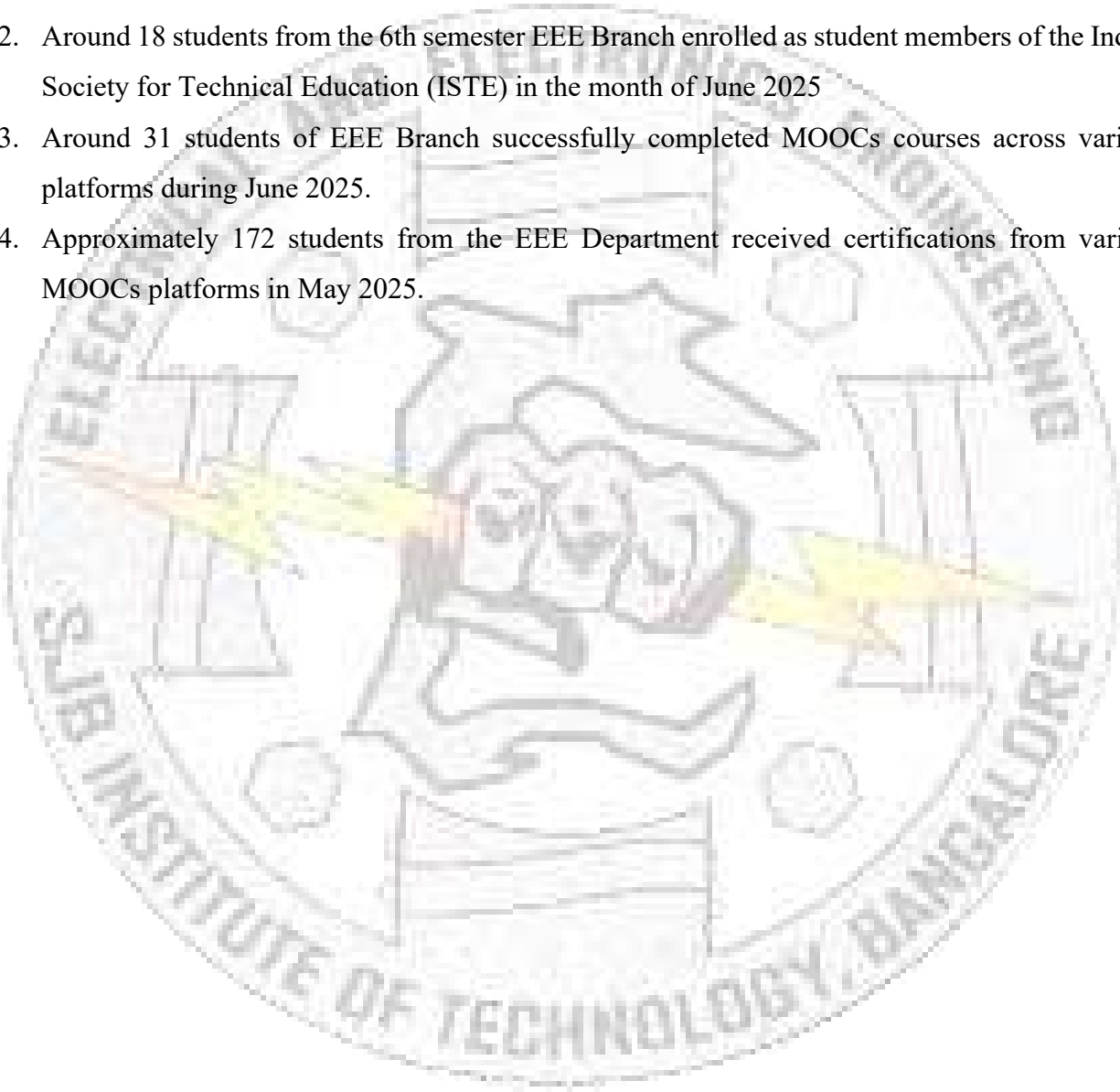


13. Dr. M J Chandrashekar Published Title of the Paper: IOT Based Energy Monitoring & Billing System in Two-day National conference on Innovation and Technology (NCIT-2025) on 12/04/2025.
14. Mrs. Tarakeshwari V Published Title of the Paper: 500 W Sine Wave Inverter in International Journal of Innovative Research in Science Engineering and Technology (IJIRSET), Volume 14, Issue 4, pp: 8329-8332 on 22/04/2025.
15. Dr. Rekha P S Served as a session chair for the International Conference held at SCE, Bangalore on 16/04/2025.
16. EEE Dept. 33 students of 4th and 6th semester completed Moocs courses on Universal Human Values in Ministry of Skill Development and Entrepreneurship in the month of March 2025.
17. Title of the Paper: IoT Based Forest Fire Detection System by Mr. Chiranth LN Published in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (JAREEIE), Volume 14, Issue3, pp: 608-610.
18. Title of the Paper: AL Driven Waste Conversion to Clean Energy by Dr. Rekha P S International Journal of Innovative Research in Science Engineering and Technology (IJIRSET) Volume 14, Issue 3, pp: 2626-2629.
19. Title of the Paper: Performance Comparison for Speed Control of BLDC Motor for Different Switching Devices by Dr. Sandeep S R Presented paper in International Conference on Sustainable Power & Energy (ICSPE) O2024 IEEE.
20. Title of the Paper: Performance Comparison for Speed Control of BLDC Motor for Different Switching Devices by Dr. Sandeep SR 2024 International Conference on Sustainable Power & Energy (ICSPE).
21. Paper titled "Solar Based Water Body Cleaning Robot" is published in International journal of creative research thoughts IJCRT. Volume 13, Issue 2 February 2025 by Dr. J P Sridhar
22. Paper titled "Energy Generation from Sound Waves and Vibrations" is published in International Journal of All Research Education and Scientific Methods (IJARESM), Volume 13, Issue 2, February-2025 by Dr. JP Sridhar
23. Paper titled: " Four Quadrant Operation of De Motor using PID Controller" is published in International Journal of Innovative Research in Science Engineering and Technology (IJIRSET), Volume 14, Issue 2, February 2025 by Mrs. Tarakeshwari



STUDENTS ACHIEVEMENTS for EVEN 2024-25

1. Harshitha S P, bearing USN: 1JB21EE013, has secured 2nd Rank with an outstanding CGPA of 9.49 in the 25th Convocation of Visvesvaraya Technological University (VTU) during the year 2024-25.
2. Around 18 students from the 6th semester EEE Branch enrolled as student members of the Indian Society for Technical Education (ISTE) in the month of June 2025
3. Around 31 students of EEE Branch successfully completed MOOCs courses across various platforms during June 2025.
4. Approximately 172 students from the EEE Department received certifications from various MOOCs platforms in May 2025.





|| Jai Shree Gurudev ||
Sri Adichunchanagiri Shikshana Trust ®

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Certified by ISO 9001 – 2015



ATAL Ranking:
Band Performer



Band of 151 to 300 in
Innovation Category

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