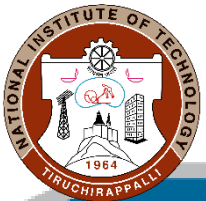


NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI

IEEE STUDENT BRANCH ACTIVITIES - 2019

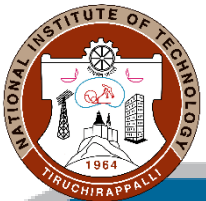


Inauguration of THE IEEE STUDENT BRANCH activities for the year 2019

- IEEE activities for the year 2019 was inaugurated on Feb. 11, 2019.
- Mr. S. Ganesan, Technology Manager, ABB India Pvt. Ltd., was the chief guest and Dr. C. Natarajan, Dean (Planning & Development), NIT Tiruchirappalli presided over the function.
- The event was attended by research scholars, UG, PG students from the departments of ECE, EEE, ICE, CSE.
- The immediate past committee members were felicitated for their work in the IEEE SB for the year 2018.



Inauguration of IEEE SB Activities for 2019 on 11.02.2019

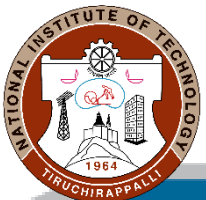


Invited talk on “Power Systems of the Future”

- Mr. S. Ganesan, Technology Manager, ABB India Pvt. Ltd., was invited to NIT-Trichy by the IEEE Student Branch of NIT-T for giving a talk on “Power Systems of the Future”
- Mr. S. Ganesan gave a glimpse of the future prospects of power systems in terms of smart city power management, and e-mobility solutions. Mr. S. Ganesan concluded his talk by predicting a major change in the power sector in the next 10 years and how the industry is gearing up to embrace the change



Invited talk – “Power Systems of the Future” on 11.02.2019

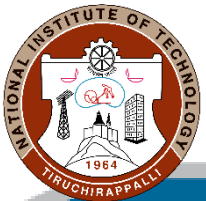


Poster Presentation event on "Women's Day"

- The purpose of this event was to celebrate the women and encourage equality among the men and women in the community. The event was made open to everyone beyond age, number or gender barriers so that faculties, students of all age groups can participate and celebrate the unsung heroes
- There were around 25 participants and the participants comprised of undergraduates, research scholars and professors of various departments of NIT, Tiruchirappalli



Poster Presentation Event for World Women's Day on
08.03.2019

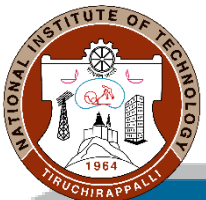


3-Day Tutorial on Verilog HDL

- As an outcome of the tutorials spanning over 3 sessions, the audience were able to write, compile and synthesise their own Verilog RTL.
- The resource persons were from the Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli, and they have experience in chip tape-out and are well informed in the knowledge of Digital Design.
- The event was attended by 35 students from various domains such as ECE, EEE, and ICE.



3-Day Tutorial on Verilog HDL during 22.03.2019 –
24.03.2019

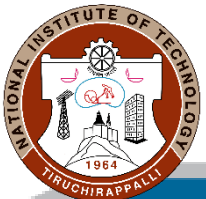


World Telecommunication Day

- The IEEE Student Branch of NIT – Tiruchirappalli organized a special guest lecture on “Demystifying the wireless interfaces in your smart devices for better productivity, health and entertainment” on May 17, 2019 to commemorate the 50th anniversary of World Telecommunication and Information Society Day.
- The guest lecture was delivered by Professor. Dr. B. Venkataramani from the Department of Electronics and Communication, NIT – Tiruchirappalli.
- Dr. B. Venkataramani shared his experiences over the years on the evolution of telecommunication in last 50 years



Special guest lecture for World Telecommunication Day on
17.05.2019

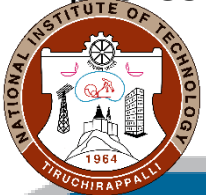


IEEE Microwave Theory and Technique Student Chapter Inauguration

- The IEEE Microwave Theory and Techniques Student Branch Chapter was inaugurated on 22nd May 2019. As of now, there are 13 student members (Krushna Kanth V, Ananaya Parameswari, Ananda reddy mekala, Praveena namanathan, Bharath reddy gudibandi, Harish adhithya murugan, Rajalakshmi pitchai, Soundarya G, Sandhana mahalingam M, Naveen allam, Ramya sri bilakanti, Korupulu chandra hasini, Saritha shivakumar) are associated with this chapter from the Department of ECE and soon it will be extended large number of members to continue its activities.
- It will give a platform to the students to collaborate with many Industries and interact with the distinguished professors and domain experts



Inauguration of IEEE MTT Student Chapter on 22.05.2019

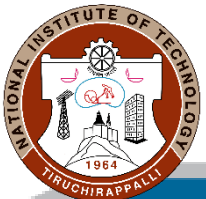


International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks (IMICPW -2019)

- The TEQIP – III sponsored International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks (IMICPW-2019) was held during 22nd – 24th of May 2019
- The conference had received around 200+ papers in the field of Antennas, photonics and wireless communication, of which 125 high quality papers were selected after rigorous peer review for presentation at the conference. The IMICPW conference was the first IEEE conference in the history of the Dept. of ECE, NIT – Tiruchirappalli.



IMICPW (International Conference) during 22.05.2019 – 24.05.2019

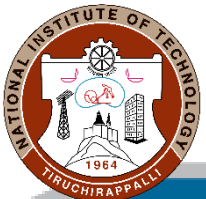


World Environment Day

- The World Environment Day was celebrated by the IEEE Student Branch of NIT – Tiruchirappalli in association with Institute of Engineers India, Trichy Chapter on 04-06-2019.
- Shri N Senthil Kumar COO & Partner, Global Lab and Consultancy Services, Salem spoke on the measures being taken globally to combat Air Pollution. From basic information to topics including Sterlite plant in Tuticorin were discussed by the eminent engineers who attended the talk.



World Environment Day Celebration on 04.06.2019

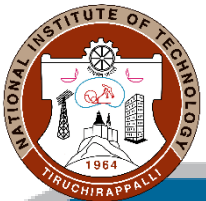


Machine Modelling using MATLAB

- The IEEE Student Branch of NIT-Tiruchirappalli conducted a 2-day machine modelling workshop using MATLAB. The workshop was conducted on 06.08.2019 and 13.08.2019. The resource person for the workshop was Dr. P. Raja, Associate Professor, Dept. of EEE, NIT – Tiruchirappalli. The workshop was attended by 62 participants from various departments of EEE, E&I, and Physics. Notably, the workshop drew participants from industries such as Rane TRW, Tiruchirappalli, India. The event was a complete hands-on workshop as the participants were assisted by PG students while practicing the machine modelling in their own laptops.



Workshop on Machine Modelling using MATLAB on
06.08.2019 & 13.08.2019

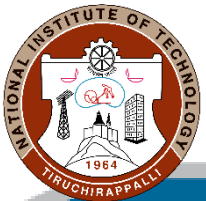


IEEE Antennas & Propagation Society Student Chapter Inauguration

- The IEEE Student Branch of NIT-Tiruchirappalli successfully got approval for starting a IEEE Antennas and Propagation Student (AP-S) chapter. The AP-S chapter was inaugurated on 08.08.2019 by Dr. D. C. Pande, Retd. Director, LRDE-DRDO, Bangalore. The occasion was graced by Dr. S. S. Karthikeyan, IEEE AP-S, Chair, Madras Section, who is also an Assistant Professor, Dept. of ECE, NIT – Tiruchirappalli. The chapter was inaugurated in the presence of Dr. N. Kumaresan, IEEE Student Branch Counsellor, NIT – Tiruchirappalli, and Dr. S. Raghavan, Senior Member, IEEE A&P. Mr. V. Krishnakanth, Chair, IEEE A&P, gave the vote of thanks and concluded the proceedings



Inauguration of IEEE AP Student Chapter on 08.08.2019

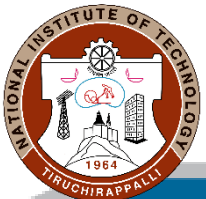


Distinguished Lecture on “Antennas for Defense Applications” by Dr. D. C. Pande

- The IEEE Student Branch of NIT-Tiruchirappalli organized a distinguished lecture programme on “Antennas for Defense Applications” by Dr. D. C. Pande on 08.08.2019. Dr. D. C. Pande spoke from his vast experience during his time with DRDO, Bangalore. Dr. D. C. Pande spoke to the audience about the growth of Antennas and RADAR applications in Indian Space and Defense Applications. He also shared some pictures of the sophisticated RADAR technologies being used by the Indian govt. for communication and defense purposes. The distinguished lecture programme was attended by post-graduate students from VLSI System Design and Communication Systems courses from the department of Electronics and communication Engineering, NIT – Tiruchirappalli. The talk motivated many students to take up Antennas and RADARs as a research topic in their final year projects



Distinguished lecture on 08.08.2019

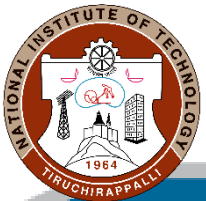


IEEE Orientation to First Year

The IEEE Student Branch of NIT-Tiruchirappalli conducted an orientation programme for the First year undergraduate students of the departments of Electrical and Electronics Engineering, and Electronics and Communication Engineering. Dr. N. Kumaresan, Professor, Dept. of EEE introduced the IEEE student branch and spoke about the benefits of being an IEEE member to the budding engineering students on 13.08.2019. Similarly, on 14.08.2019, Dr. M. Bhaskar, Professor, Dep. of ECE addressed the first year students of the Dept. of ECE, and gave a brief introduction about the member benefits. The students were motivated and encouraged to be part of the IEEE community and to strive hard in making a difference in the world.



IEEE Orientation programme for First year UG on
13.08.2019 & 14.08.2019

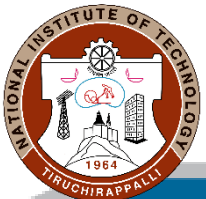


Distinguished Guest Lecture on Technology in Space Science

- The IEEE Student Branch of NIT-Tiruchirappalli conducted a distinguished guest lecture on Technology in Space Science. The lecture was delivered by Dr. Surendra Pal, Chairman, GAGAN PMB ISRO, Bangalore. Dr. S. Pal gave a glimpse of his working with Dr. APJ Abdul Kalam and Dr. Vikram Sarabhai from his time at ISRO. Dr. S. Pal also narrated his journey in to space science and his current position as the head of GAGAN, a navigation satellite owned by India, which is more accurate than the GPS. Dr. S. Pal also inspired students and faculty on the recent trends in space research and motivated the students to take up more active roles in Indian space technology. The event was conducted in association with IEEE MTT-S chapter and AP-S chapter of NIT – Tiruchirappalli. The lecture had audience from M.Tech. Communication Systems and also from M. Sc. Physics.



Distinguished lecture on 27.08.2019

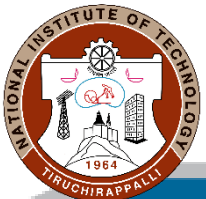


Special Guest Lecture on RESEARCH – NOT A NIGHTMARE!

- The IEEE Student Branch of NIT-Tiruchirappalli conducted a special guest lecture on Research – Not a Nightmare. The lecture was delivered by Dr. D. Sriram Kumar, Professor, Dept. of ECE. The lecture was intended to address the research scholars who are in their initial stages of their research works, and to encourage, motivate the researchers towards successful completion of their research. Dr. D. Sriram Kumar spoke about his experiences as a researcher and the changes that has taken place since his completion up till now. Prof. Sriram Kumar's talk enriched the minds of the researchers as he made sure that the students understood the simplicity and intricacies of the research work. The lecture was attended by over 50 students who have enrolled for Ph.D in Aug. 2019.



Special guest lecture on 28.08.2019

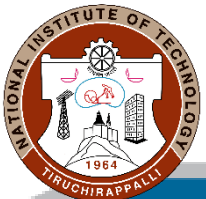


3-Day workshop on Antenna & Filter design using CST, HFSS and ADS tools

The IEEE Student Branch of NIT – Tiruchirappalli conducted a “3-Day workshop on Antenna & Filter design using CST, HFSS and ADS tools” during 25.09.2019 to 27.09.2019. The event was attended by Research Scholars, Post-Graduate students and faculty from the Dept. of ECE and Dept. of EEE, NIT – Tiruchirappalli. The resource personnel for the workshop were Research Scholars from the Dept. of ECE. On Day-1, CST tool was introduced to the participants and hands-on session was conducted by Mr. Santhana Mahalingam. On Day-2, HFSS software was taught to the participants by Mr. Harish Aditya and on Day-3 ADS tool was practiced by the participants in the presence of Mr. G. Bharath Reddy. During the course of the workshop, the participants were encouraged to work on Antenna and Filter designs. On the final day, EM simulations using ADS was also taught to the participants. The event was beneficial to the budding research scholars in the field of Microwave circuit design.



3-Day workshop on Antenna & Filter design during
25.09.2019 – 27.09.2019

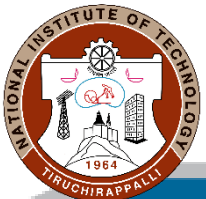


150th Birth Anniversary Celebration of Mahatma Gandhi

- The Institution of Engineers (IEI), Trichy Local Chapter in association with IEEE Student Branch of NIT – Tiruchirappalli celebrated the 150th birth anniversary of Mahatma Gandhi on October 1, 2019 at the IEI building premises, BHEL, Trichy. Dr. S. Arul Daniel, Professor, Dept. of Electrical and Electronics Engineering, NIT – Trichy delivered a talk on the theme “Mahatma Gandhiji’s contribution towards nation building & his views on education policy and practice.” The event was attended by past chairpersons, secretaries of the IEI, TLC along with engineers from BHEL and research scholars from NIT – Tiruchirappalli. Dr. S. Arul Daniel highlighted the methods and ideas behind Gandhiji’s teachings and elaborated how Gandhiji’s teachings were instrumental in bringing about the current curriculum being followed by NITs all over India. He also briefed on how the Gandhian methods can be incorporated in the current education system. During the discussion session, the attendees gave their thoughts on the current education policy and the large divide in rural and urban educational facilities. The event was concluded with Dr. S. Arul Daniel stressing the importance of locally relevant education to the development of rural India.



150th Gandhi Jayanthi celebration on 01.10.2019

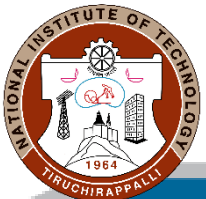


Inauguration of IEEE PES & IAS Student Branch Chapters

The IEEE Student Branch of NIT – Tiruchirappalli inaugurated the IEEE Power and Energy Society (PES), and Industry Applications Society Student Chapters on 15.10.2019. The event was attended by Research Scholars, Post-Graduate students and faculty from the Dept. of EEE, NIT – Tiruchirappalli. The chief guest for the inauguration was Mr. S. Ingersol, Scientist G, ISRO, India. Mr. S. Devaraj, PG Scholar was nominated as the chair of the IEEE PES and IEEE IAS student chapters of NIT – Tiruchirappalli. The members of the student chapter vowed to keep the chapter active by conducting workshops, lectures on the topics related to power, energy, industry applications so that the students will be updated with the latest innovations happening in the world of power & energy, and industry applications.



Inauguration of IEEE PES and IEEE IAS Student Chapters on 15.10.2019

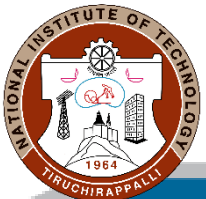


Distinguished lecture on “India on Space Age”

The IEEE Student Branch of NIT – Tiruchirappalli organized a distinguished lecture on “India on Space Age” on 15.10.2019. The lecture was delivered by Mr. S. Ingersol, Scientist G, ISRO, India. Mr. Ingersol briefed about the role of India in space research and motivated the students present to take up the responsibility for providing solutions for everyday problems faced in the research industry. The event was attended by Research Scholars, Post-Graduate students and faculty from the Dept. of EEE, NIT – Tiruchirappalli. Mr. Ingersol discussed the current scenario with regards to satellite launches and how different engineering teams come together to launch the satellite. Mr. Ingersol also touched upon the subject of ‘Space Garbage’ and its effect on orbiting satellites. He also called upon the young researchers to provide low-cost solutions for cleaning up the space garbage left behind by satellites and space stations in the atmosphere.

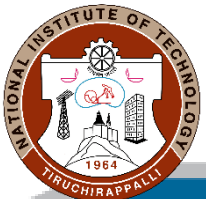


Distinguished lecture on 15.10.2019



IEEE Student Branch Activities – 2019

- Guest Lectures – 8
- Workshop/Tutorial – 3
- Poster Presentation – 1
- IEEE Student Chapters Inaugurated – 4
 - IEEE Microwave Theory and Techniques Society (MTT-S)
 - IEEE Antennas and Propagation Society (APS)
 - IEEE Power and Energy Society (PES)
 - IEEE Industrial Automation Society (IAS)



IEEE Day 2019 Celebrations

- IEEE Day 2019 celebration was organized by IEEE Madras section on 03.11.2019. IEEE members under the Madras section attended the event held at College of Engineering, Anna University, Chennai.
- Awards were given to IEEE members who published their research works with IEEE for the year 2018.
- Dr. M. Venkata Kirthiga, Associate Professor, Dept. of EEE, NIT – Tiruchirappalli received awards for 3 IEEE Transactions and 1 IEEE magazine.
- Er. G. Jayabrindha, Research Scholar, Dept. of ECE, NIT – Tiruchirappalli received an award for 1 IEEE Transaction.

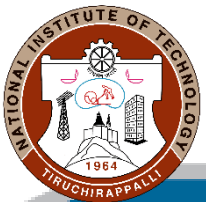


Er. G. Jayabrindha



Dr. M. Venkata Kirthiga

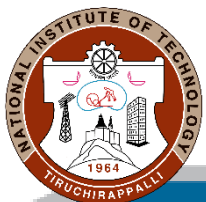
Award Winners during IEEE Day 2019 Celebrations on
3.11.2019



IEEE Student Branch Committee

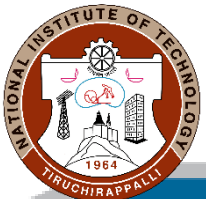
Faculty Members

Name	Designation, Department	IEEE Activity
Dr. N. Kumaresan	Professor, EEE	Branch Counsellor
Dr. A.K. Bakthavatsalam	Professor, T&P	Coordinators, IEEE-EPICS
Dr. K. Dhanalakshmi	Professor, ICE	Women In Engineering (WIE)
Dr. M.P. Selvan	Associate Professor, EEE	Faculty Secretary
Dr. P. Raja	Associate Professor, EEE	Incharge-IEEE Membership drive and SB Website
Dr. G. Thavasi Raja	Assistant Professor, ECE	Student project funding, organizing various student activities
Dr. Manoranjan Sahoo	Assistant Professor, EEE	Student project funding, organizing various student activities
Dr. M. Brindha	Assistant Professor, CSE	Initiation of IEEE society activities



IEEE Student Branch Committee Student Members

Name	Department	IEEE Activity
S. Chrisben Gladson	ECE	Chairperson
S S Chandra Bommagani	EEE	Vice-Chairperson
Pratik Pawade	MCA	Secretary
Harini T M	EEE	Additional Secretary
Nindra Sekhar	EEE	Treasurer
Deepti S	CSE	Webmaster
Aarthi P	CSE	Executive Committee Member
Arjun Visakh	EEE	Executive Committee Member
Devaraj S	EEE	Executive Committee Member
N. Nageswara Reddy	EEE	Executive Committee Member
Praneeth Kumar K	EEE	Executive Committee Member
Sachin Chandelker	EEE	Executive Committee Member
Sriharsha K V	MCA	Executive Committee Member
Suhanya M S	EEE	Executive Committee Member
Saikat Kar	ECE	Executive Committee Member



CONTACT

Website: <https://site.ieee.org/sb-nitt/>

LinkedIn: <https://www.linkedin.com/company/nitt-ieee-student-branch/>

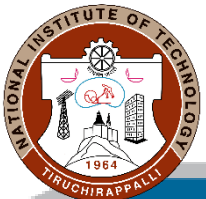
Facebook: <https://www.facebook.com/IEEE-Student-Branch-of-NITT-2025410490877571/>

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S. Chrisben Gladson

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Thank You

