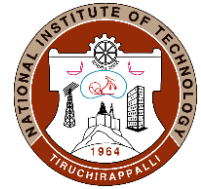




**National Institute of Technology,
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25.02.2022

Inaugural Function Report of IEEE Student Branch activities for the year 2022

The IEEE Student Branch activities 2022 of NIT Tiruchirappalli was inaugurated on 25th Feb 2022. The Chief Guest for the inaugural event was Mr. Hanumanta Rao, DGM-Operation Department, NTPC, Solapur and Dr. G. Aghila Director, NITT presided over the meeting.

The event started off with an invocation to the almighty and Mr. Arjun Visakh, Secretary, IEEE SB 2021 welcomed the audience. Mr. Kannadasan K, Chairman, IEEE SB 2021 gave a brief overview about the activities conducted throughout the year 2021. Office Bearers of IEEE SB 2021 was felicitated by Dr. M. P. Selvan, IEEE SB Counsellor 2020-2021. The new allocated Office Bearers of IEEE SB 2022 was introduced by Dr. M. Venkata Kirthiga, IEEE SB Counsellor 2022.

Dr. G. Aghila, Director, NITT administered the audience with her thoughtful speech and thanked all the office bearers for the efforts put up throughout the year. Director also motivated everyone to work towards conducting more productive technical talks that would be helpful in their careers.

Mr. Hanumanta Rao later officiated the inaugural address with his inspirational words. The action plan of IEEE SB 2022 was presented by Ms. Vidya P. Janaki, Chairperson, IEEE SB 2022. Finally, Mr. Ayush Kumar Laad, Vice-Chairman IEEE SB 2022 governed the Vote of Thanks.



IEEE Student Branch
National Institute of Technology
Tiruchirappalli



You are cordially invited for the
Inauguration of the IEEE Student Branch activities for the year 2022
at 4.30 P.M. on 25th February 2022
Via Cisco WebEx Meetings

Mr. Hanumanta Rao

DGM - Operation Department, NTPC, Solapur

has consented to be the Chief Guest and deliver a technical talk on
Recent Developments in Power Generation Industry

Dr. G. Aghila

Director,
National Institute of Technology Tiruchirappalli
will preside over the function.

Ms. Vidya P. Janaki
Chairperson, IEEE SB 2022

Dr. M. Venkata Kirthiga
IEEE SB Counsellor

25.02.2022

IEEE Student Branch Report of technical talk held on the inauguration day 25.02.2022

The IEEE Student Branch of NIT Tiruchirappalli organized an online technical talk on “Recent Developments in Power Generation Industry” on 25th Feb 2022 via WebEx meetings. The event was set up on the inaugural day of the IEEE Student Branch 2022, NIT Tiruchirappalli.

The speaker for the technical talk was Mr. Hanumanta Rao, DGM-Operation Department, NTPC, Solapur. Sir started the session with introduction to generating stations by giving clear examples through Thin Centralized Optimization Layer. The main objective is to minimize Pan India ISGS Variable cost which optimizes the generation cost. A brief overview on how the generators work was presented and Benefit sharing was explained in detail. Cost savings in this approach of using generators was clearly elaborated.

The speaker handled the basic idea on Power Markets in India and the way to reduce power procurement was mentioned. Quantum of Power was also explained. The approach of Real Time Market (RTM) and Real Time Market Auction was delivered by the speaker giving a clear idea. Buy and Sell Bids was demonstrated graphically by the speaker and the Future scope and how competition between generators would increase was illustrated.

Finally, an interactive session enabled the participants to clear their doubts regarding the talk. The speaker answered all the queries that was asked during the session.

The technical talk was attended by UG & PG students, PhD scholars and faculties from all over the country.

A few screenshots from the workshop:



Technical Talk
on
Recent Developments in Power Generation Industry

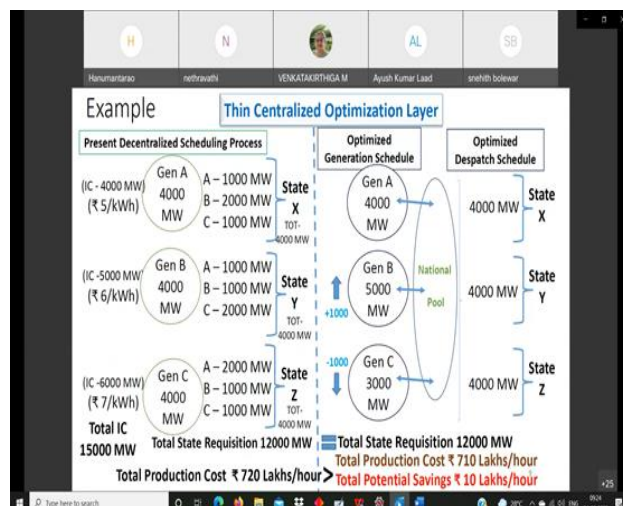
Mode: WebEx Meetings
Meeting ID: 2658 116 7921
Password: SB2022

Mr. Hanumanta Rao,
DGM - Operation Department,
NTPC, Solapur

Friday, February 25 @ 5:15 PM

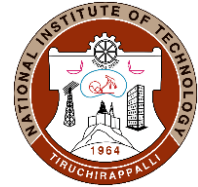
Vidya. P. Janaki
Chairperson

Dr. M. Venkatarthiga
SB Counsellor



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20.04.2022

**IEEE Student Branch Activity Report for April 2022 –
Acclamation Ceremony of Student and Faculty members of IEEE SB NITT 2021
on 20.04.2022**

The IEEE Student Branch of NIT Tiruchirappalli conducted the Acclamation Ceremony of Student and Faculty of IEEE SB NITT 2021 on 20.04.2022 at EEE Auditorium.

The event commenced with a devotional song where the feeling itself enlightened each one of our hearts. The welcome address was given by Ms. Vidya P Janaki, chairperson, IEEE SB 2022 who gave brief introduction and welcomed all the participants and congratulated the office bearers of IEEE SB 2021 of all the efforts delivered by them in 2021.

Dr. M. Venkata Kirthiga, Counsellor, IEEE SB 2022 appreciated the works performed by the team of IEEE SB 2021 and encouraged and motivated the new office bearers of IEEE SB 2022 to bring up creative ideas for conducting webinars, workshops and technical talks. Madam stressed on the need to work more hard and utilize the benefits offered by IEEE and achieve the goal that is set. She also emphasized on conducting membership drive so that many more students and Faculties would register and avail the benefits of IEEE membership.

Dr. S. Moorthi, Associate Professor felicitated the office bearers of IEEE SB 2021, IEEE SB 2022 and Faculties with a small token of love as a gesture. Sir, congratulated the works done by IEEE SB members and encouraged to build up and raise more events and workshops that would help the students and faculties in their career growth. The advantage of being IEEE members was also introduced by sir and felt the need of extending the boundaries and going out global.

Vote of thanks was delivered by Mr. Kannadasan K, chairman, IEEE SB 2021 where he thanked all the members of IEEE SB 2021 for the tasks performed by them.

A few screenshots from the event:



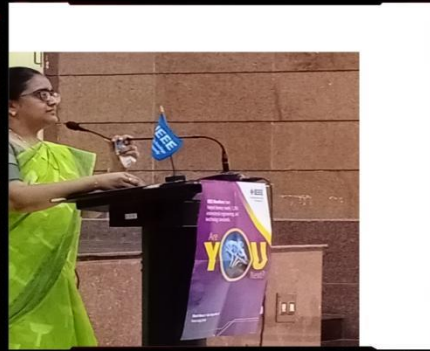
one



two



three



four

invites you all for the
Acclamation Ceremony
 of
STUDENT & FACULTY MEMBERS OF IEEE SB NITT 2021
 VENUE: IEEE AUDITORIUM
 DATE: 20.04.2022
 TIME: 04:00 PM

Agenda:

- Welcome Address
 - Ms. Vidya P Janaki, Chairperson, IEEE SB 2022
- Appreciation of SB Members
 - Dr. M. Venkata Kirihiga, Counsellor, IEEE SB 2022
- Felicitations of SB Members
 - Dr. M. P. Selvan, Counsellor, IEEE SB 2021

23.05.2022

IEEE Student Branch Activity Report for April 2022 – Technical Webinar on 22.05.2022

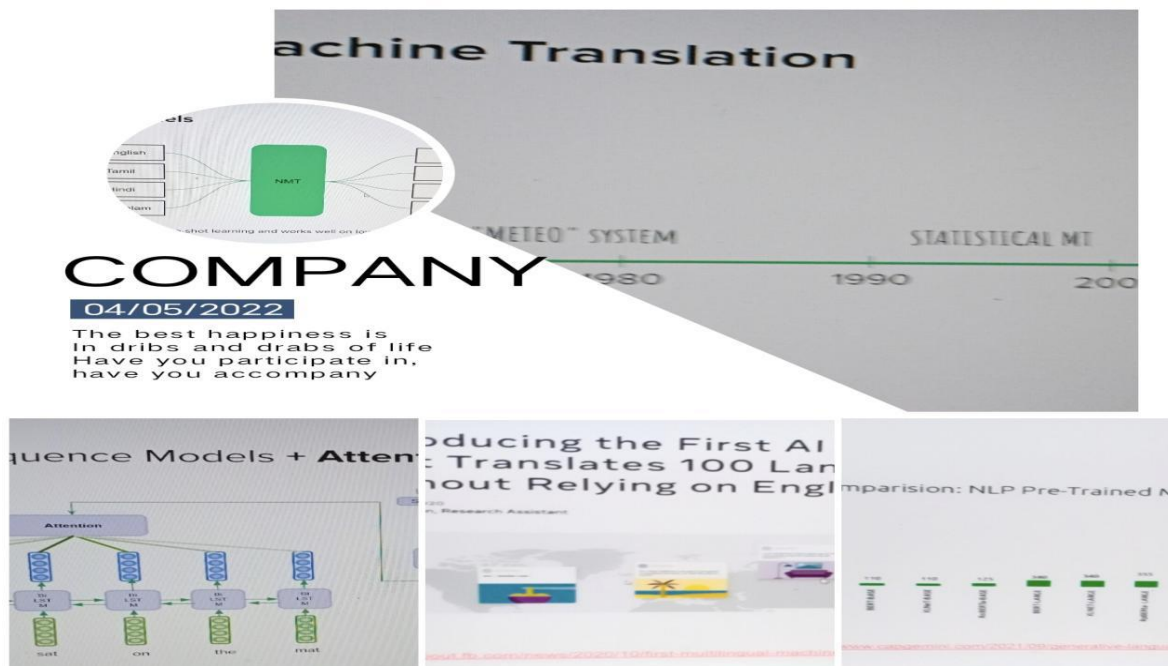
The IEEE Student Branch of NIT Tiruchirappalli organized a one-day interactive online technical webinar on “Deep learning for Language Translation” on 23rd April 2022 via Zoom meetings. The chief speaker for the event was Dr. Shamil Chollampat, Research Scientist.

The webinar started with brief introduction to Evolution of Machine Translation and the pitfalls of Translation. Deep learning and Artificial Neural Networks was also explained in detail. Various models like Sequence-to-Sequence Models for Translation was clearly stated and elucidated. Disadvantages of using neural models like bias and fairness, inefficiency was elaborated. The speaker also gave introduction on multilingual models and Transfer learning.

Various types of Translation was explained such as Document Level Translation and Simultaneous Translation. Finally, other research directions like Unsupervised machine translation, lexically constrained machine translation, Formality Control, Multimodal machine translation, Domain Adaptation and Evaluation of machine translation was described. The speaker then summarized the whole talk in brief.

After the technical talk, questionnaire session was quite a interactive one. The participants got all their doubts regarding the concept of machine translation. The workshop was attended by UG & PG students, PhD scholars and faculties from all over the country.

A few screenshots from the webinar:





**National Institute of Technology,
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04.06.2022

IEEE Student Branch Activity Report for June 2021 –

Training on Work Life Balance & Influential Communication

The IEEE Student Branch of NIT Tiruchirappalli in association with RSF, organized one day interactive Training programme on “Work Life Balance & Influential Communication” on 4th June 2022 at Orion G1, NITT. The event was handled by two distinguished guests Mohammed Ikan, Director, Society for Training and Development, Lakshadweep and Renjit Ravi Keshav, Managing Director, Insight Job Guru.

The Training programme had three highly interactive sessions. The first session was handled by Mr. Mohammed Ikan who enhanced the participants on the various aspects of work life balance. Firstly, he engaged everyone with an icebreaking session which refreshed all to come into the mood of the interactive live session. He spoke on how to have effective communication skills and art of influencing others. He practically explained these concepts that enabled all the participants to get to know the foundation of communication and how to approach towards building a right attitude. He also elaborated on the success formula that enriched everyone with a new way of thinking and applying them in our lives. He gave a brief overview of professional presentation skills

The second session was handled by Mr. Renjit Ravi Keshav who delegated the importance of wellness and pursuing personal interest in life. He focused on how to take care of ourselves in this fast pace world. He explained the topics with his own experiences that was such a blessing to all the participants. He presented the idea of money management and gave a rough idea on the need of insurance cover. The session gave insight to the way we should approach the difficult times with the right attitude and run towards the goal. Lastly he presented on the idea of money management.

The third and concluding session was handled by Mr. Mohammed Ikan where he briefly elaborated on body mind balancing and gave insight to art of delegation. Overall, it was a great session that enabled all to be revived and put the right attitude towards life.

The Training was attended by PG students and PhD scholars from NIT Tiruchirappalli.

A few screenshots from the Training:



TRAINING ON

WORK LIFE BALANCE & INFLUENTIAL COMMUNICATION

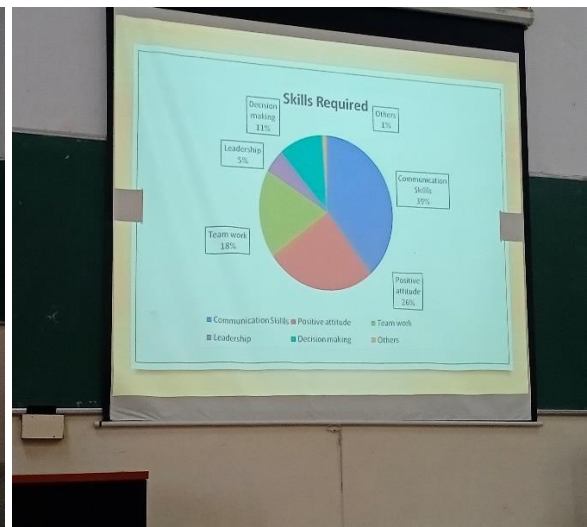
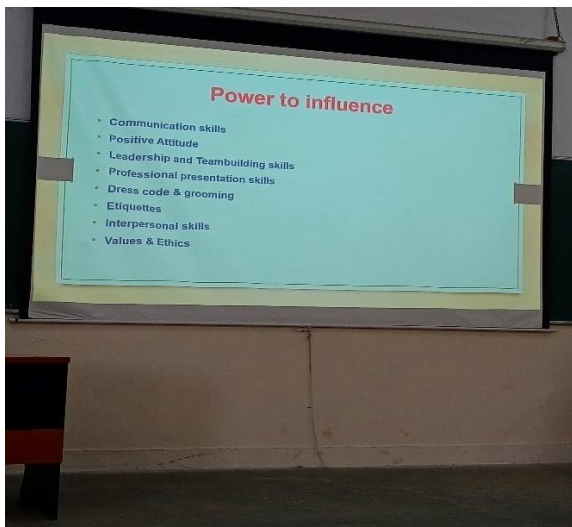
04 JUNE 2022 09:30 AM | ORION G1, NIT Trichy

REGISTER NOW

RESOURCE PERSONS:
 Mr. Mohammed Ikan, Director, Society for Training and Development, Lakshadweep.
 Mr. Renjit Heshav, Managing Director, Insight Job Guru.

- Learn to split energy between time for work and personal life
- How to take care of yourself?
- The ultimate importance of wellness
- Important of pursuing personal interest in life
- The idea of money management

For Queries, Contact: Justus Panicker 7904200636 | Amal V 9495672848





**National Institute of Technology,
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16.06.2022

Webinar on the topic “Perspectives of the Indian Society towards Sexual Minorities. Is A Change Required?”

The webinar on “Perspectives of the Indian Society towards Sexual Minorities. Is A Change Required?” was conducted on 16th June 2022. The Chief Guest / presenter for the webinar was Mr.Vignesh Dhananjayan, 3rd year medical student, Dhanalakshmi Srinivasan medical college, Perambalur.

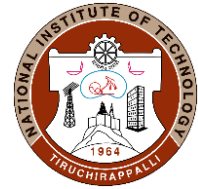
The event started off with a welcome speech by Mr. Kannadasan K, Chairman, IEEE SB CS chapter 2022. The presenter Mr..Vignesh Dhananjayan, introduced the participants with glossary associated with LGBTQA+. Further, he traversed through the actual perspectives of Indian society towards sexual minorities. The talk elaborated the proposed lawful changes to psychiatry competencies with respect to conversion therapy adopted for homosexuality. The talk included the current state of sexual minorities irrespective of education. The presenter concluded the talk with necessary actions required from everyone to be inclusive towards sexual minorities and their betterment.

Further, beneficial and constructive questions raised by participants were briefly addressed by the presenter.

Finally, Mr. Kannadasan K, Chairman, IEEE SB CS chapter 2022 governed the Vote of Thanks.



**National Institute of Technology,
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04.08.2022

IEEE Student Branch Activity Report for August 2022 – Workshop on “Discover the inner peace in U”

The IEEE Student Branch of NIT Tiruchirappalli organized an interactive workshop programme on “Discover the inner peace in U” on 4th August 2022 at EEE Seminar Hall, NITT. The event was handled by Prof. G. Sangeetha from dept of Architecture, NITT.

The workshop buzzed off with an introduction for the need of inner peace. Being "at peace" is considered by many to be healthy and the opposite of being stressed or anxious, and is considered to be a state where our mind performs at an optimal level with positive outcomes. Peace of mind is thus generally associated with bliss, happiness and contentment. The importance of taking time for yourself was stressed on. The truth is that without self-care, you don't take care of your own needs first, you'll find yourself burnt out and struggling in everyday life before you know it.

The speaker elaborated on the magnetic field of the heart. Our thoughts and emotions affect the heart's magnetic field, which energetically affects those in our environment whether or not we are conscious of it. Later, she spoke that we and our situations are part of the nature. We should agree and accept what is happening in our lives. The day we accept the truth and facts then we would be glad and happy.

The speaker led the participants in a time of meditation where all the participants were asked to sit calm and meditate with closed eyes for 10 minutes. Lastly, there was a questionnaire session where the participants got their queries answered.

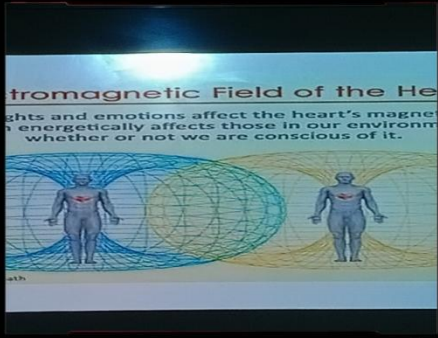
Overall, it was a great session that enabled all to be revived and refreshed in spirit.

The workshop was attended by BE and PG students and PhD scholars from NIT Tiruchirappalli.

A Collage of screenshots from the workshop:

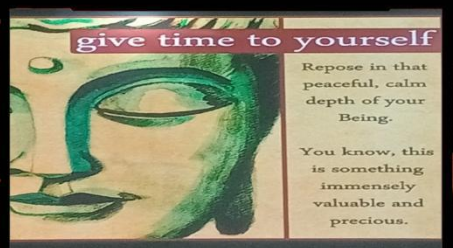


one

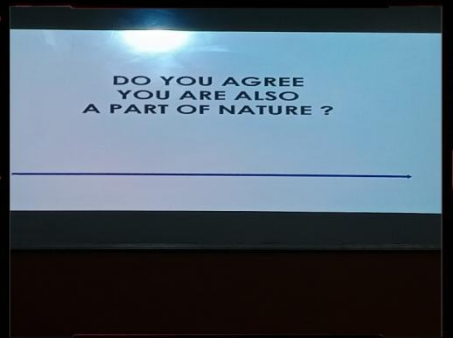


two

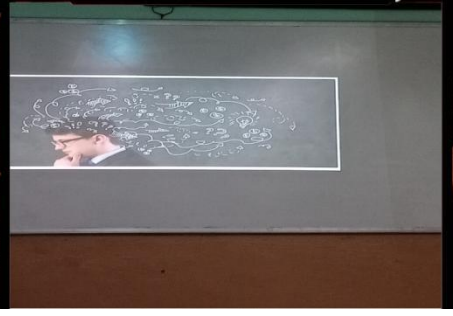
GRAPHIC SUBSTANCE DANGEROUS
UNLESS VIEWED AS DIRECTED
CAUTION: State and/or Federal Law prohibits the transfer of this copyright to any person other than the person for whom it was directed.



three

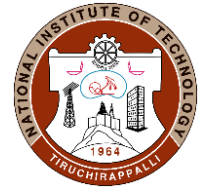


four





**National Institute of Technology,
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19.09.2022

IEEE Student Branch Report of Cyber Security and Ethical Hacking workshop held on the 19th and 20th Sept 2022

The IEEE Student Branch of NIT Tiruchirappalli organized 2-day online workshop on “Cyber Security and Ethical Hacking” on 19th and 20th Sept 2022 via WebEx meetings.

The resource person for the online workshop was Mr. Ajinkya Lohakare, certified Ethical Hacker, CTO & Founder of Social Spectra & Ditto Security, Josh talk and Tedx speaker.

The 1st day buzzed off with an inaugural session to the workshop. Introduction to Cyber Security and its concepts was delivered by the resource person. Later, Sir installed the required softwares for the workshop like python and its libraries as the workshop was a hands-on. He explained the need of the hour topic “how to secure data in network”. A detailed explanation on Shellphish, SocialFISH, Shodan search engine, TOR was given. He elaborated on Open Source Intelligent fundamentals. The concepts of penetration testing and ethical hacking was illustrated with proper commands. Web Application penetration testing was discussed with demonstration. The main objective was to bring various utilities available in the network to be used by an individual to keep track of the data and PC in the internet. Sir encouraged queries to be asked in between so the participants could clear their doubts as on required. He would also give live examples that happened in the past that actually boosted the participants to get clear picture of data security.

The basic idea of Information gathering and footprinting was handled on the 2nd day. Footprinting is basically the first step where hacker gathers as much information as possible to find ways to intrude into a target system or at least decide what type of attacks will be more suitable for the target. Various malwares softwares, detecting Trojans and worms, wrappers and viruses was introduced. A practical session on pwdump tool was discussed. Wireshark a network packet analyzer was explained. Hacking the Operating System and the virtualization technology was elaborated clearly. Kali linux and its tools was discussed and Attacks and security on Emails was presented. The syllabus coverage was quite vast but the speaker managed to cover all and gave the participants a look on all the aspects of cyber security.

The online workshop was attended by UG & PG students, PhD scholars and faculties from all over the country.