# REDEEEM

PLACEMENT EXPERIENCE

## SMART INDIA HACKATHON

MONTHLY UPDATES

LIFE IS NOT A COMPETITION

## GRE

A CORNER TO PONDER..
PICTURESQUE!
TRIUMPH!!

SSN
AEEE

SSN

# The CREW!

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# Index

# FROM OUR HOD
# DR.V.RAJINI

I am happy to bring the April '22 edition of REDEEM, the newsletter of our department. This edition has lot of new features like student corner, photography corner etc. My appreciations to the Editorial team for the face lift given to REDEEM.

Congratulations to Dr.R.Seyezhai & team and Dr.R. Deepalaxmi for winning proposals from ANIHEES and DST.

My sincere thanks to Dr.M.Senthil Kumaran, who has developed the data capturing system for collecting the faculty and student data of the department.

This issue of REDEEM highlights department activities and student activities along with placement info. I am happy to see that 20 of our students have super dream offers.
My best wishes to all the students who have been placed. We hope that the next edition will have lot more interesting activities and features

# From Us To You!

Dearest readers,

We believe that earnest efforts are important for anything to become successful. That's exactly what we have been practicing throughout our journey as the editorial board members of REDEEEM. It all started when we were in our second year, with a lot of alacrity to understand the process. Time progressed, eventually we had to take the baton. We were given the responsibility of continuing the legacy of REDEEEM. We were ecstatic! Quoting the brilliant words said by Uncle Ben,

## "With great power comes great responsibility!".

This was true indeed. As novices we didn't know much. We had to take chances and make mistakes which eventually lead to us finding our way out. All the three of us had one vision, which was to make REDEEEM a distinguished collection of exquisite content. Although the process was exacting, we thoroughly enjoyed working for each edition. The love and support that we received from the entire department, pushed us to work harder and bolstered the passion in us.

## "Coming together is beginning, Keeping together is progress and working together is success!"

Now it's time for us to pass on the responsibility to our juniors. We have pinned our hopes on them and the legacy shall continue. This journey has been beautiful so far. REDEEEM and it's devoted readers will always remain really close to our hearts. Adieu You all!!

-Yours lovingly,
Student Editorial Board, REDEEEM

# Editorial

Facilitating people to do their job within their capacity brings fruitful results. Often, we are confused with what to do when things are clumsy. A lot of human effort is wasted due to blurry. Whatever we do, we need to be comfortable and derive some kind of pleasure in doing that. Once we are not comfortable, we don't accept it but we always try to explore no of ways to escape. The escapism started with fear to face reality of life and seems to be bothering till end of our life in spite of our loads of experiences. If we closely observe ourselves and our thoughts, we find that we don't have control over certain repetitive thoughts, and so we become subservient to this, and our attitude and behavior are the reflection of these thoughts. We do not know how and when this characterization happened, but it is unstoppable.

We get realization sometimes, but we are back to normal soon. Like, when we are back from few days abroad, we get excited and try to restructure and regulate our life, but back to status quo soon. All our will, skill and skull are not enough to manage these thoughts. We are unknowingly feeding the weeds. Everyone has our own way of living with their own characterization, but it is necessary to align with reality of life. Often, we get carried away and we are reluctant to listen and learn from others, eventually leading to disastrous. Its ok if we not knowing things, but not ok to be not open and hesitant to learn from others, saying that "my way is highway".

There is always something to learn from others irrespective of anything. We may be ignorant due to number of reasons, but it is futile to continue living with it for ages without understanding its impact in the environment. Ignorant of being ignorant is ignorant. Human learns and be responsible only on demand. We see peoples show exceptional skills only when they are given responsible positions. We wonder how these people are silent all those years when they were not in power.

The world as we have created it is a part of our thinking. It cannot be changed without changing our thinking!
-Albert Einstein

If we don't allow ourselves for experiences, growth rarely happens. Just because become older, adding numbers to age need not necessarily make us grow. Few take up the challenges and enjoy the experiences and rest are mere spectators. It's about how much we are exposed to experiences and how we face it without escapism only counts. We often compare ours with others in ages rather than experiences of life. Nothing teaches you like failures and hard real experiences. With two years of lack of social contact due to COVID-19, we find students mental growth is noticeably affected. We find our own wards mental maturity is hampered.

We find ourselves lost certain skills we are quite comfortable earlier, and we are trying to rebuild it now. if we don't have necessary intelligence, wisdom and insights, life will be of constant battle without peace and stability, and we simply exist than living and eventually we may not realize a well lived life. We create ourselves by how we invest our energy. memories, thoughts, and feelings are all shaped by how we use it. Attention is our most important tool in the task of improving the quality of experience. How we choose to do what we supposed to do matters the most. As we grow, we understand that general understanding of life and ability to foresee long view of life helps to manage this VUCA world better.

# You are what you think you are :)

# External Recognition

- Dr. V. Thiyagarajan, ASSP/EEE, chaired the technical paper presentation session for the 7th International Zeugma Conference on Scientific Research, organized by Institute of Economic Development and Social Researches, Turkey on 22/01/2022.
- SSN-YRC club invited Dr K Murugesan as a Special guest to inaugurate the republic day event. Gave Inaugural address in YRC Republic day celebration conducted by SSN-YRC club on 26-01-2022 in online (Google meet) at 8:30 am. Topic covers about origin of republic day and Importance of Republic day . Audience: YRC students of SSNCE.
- Dr. P. Saravanan, ASP, delivered an invited lecture on the title, "Conversion of existing IC engine car to Electric car", for Annamacharya Institute of Technology & Sciences, Tirupati, on 5th January 2022.

- **Dr.R.Seyezhai, Prof/EEE** inaugurated the IEEE-PELS Student Chapter at Sri Sairam Engineering College, Chennai and delivered the inaugural address highlighting the benefits of joining PELS society on 12.01.2022.
- **Dr.S.Tamilselvi/ASSP/EEE** was invited as a Resource Person for 2 Days Virtual Faculty Development Program on "Soft Computing Techniques for Electrical systems" and has delivered a lecture on 'Application of Bio-inspired Algorithm to solve an Engineering problem using MATLAB through Case Studies', organized by the Department of Electrical and Electronics Engineering, LOYOLA-ICAM College of Engineering and Technology, during February 16-17, 2022.
- **Dr.R.Seyezhai, Prof/EEE** delivered the Lecture on, "Bayesian Belief Network for Reliability Prediction of Power Converters" in the FDP on, "Soft computing techniques for Electrical systems" organized by Loyola -ICEM on 16.02.2022.
- **Dr. V. Thiyagarajan, ASSP/EEE,** has been appointed as academic auditor to audit the question papers and answer scripts of end semester examinations conducted by Sri Venkateswara College of Engineering (Autonomous), Sriperumbudur.
- **Dr. V. Thiyagarajan, ASSP/EEE,** has been appointed as an external examiner (Phase - I) for the End Semester Theory Examinations Nov/Dec-2021 conducted by RMD Engineering College (Autonomous), Kavaraipettai from 17/02/2022 - 19/02/2022
- **Dr.N.B.Muthuselvan** delivered a keynote on Green Energy Conversion for Smart Technologies on 12-03-2022 at Ramco Institute of Technology, Rajapalayam
- **Dr.M.Senthil Kumaran** delivered a guest lecture in FDP on Integral Transforms and its Applications, conducted by the department of Mathematics on 05-03-2022 at SSNCE, Kalavakkam

- **Dr.M.Senthil Kumaran** delivered a guest lecture in Technical Seminar on Mathematics in control theory, conducted by the department of Mathematics on 2022-03-25 at SSNCE, Kalavakkam conducted by the department of Mathematics
- **Dr.V.S.Nagarajan** delivered a guest lecture in Emerging trends and latest invention in electric vehicles, 26-03-2022, CK College of Engineering & Technology.

# External Recognition - Students

- A team of 6 members Daniel Mark Isaac, D. P. Deepakh Sharan, D. Bharath Srivathsan, P. Akhil, V. Meenatchi and R. Keerthana Reddy (III Year ECE students) participated in internal Smart India Hackathon conducted on Mar 23, 2022. Dr. R. Ramaprabha & Dr. M. Balaji, ASSP.s/EEE were the mentors for the team.
- A team of five members Akileshwaran Eshwaran (Mech) 2nd Year , Harish Kumar J (Mech) 2nd Year, Kavin Kumar M (Mech) 2nd Year, Abhinaya Ravichandran (EEE) 2nd Year, Jaya yayadhi (EEE) 2nd Year participated in internal Smart India Hackathon conducted on Mar 23, 2022. Dr.Mrunal Deshpande was the mentor for the team.

# Research Activity
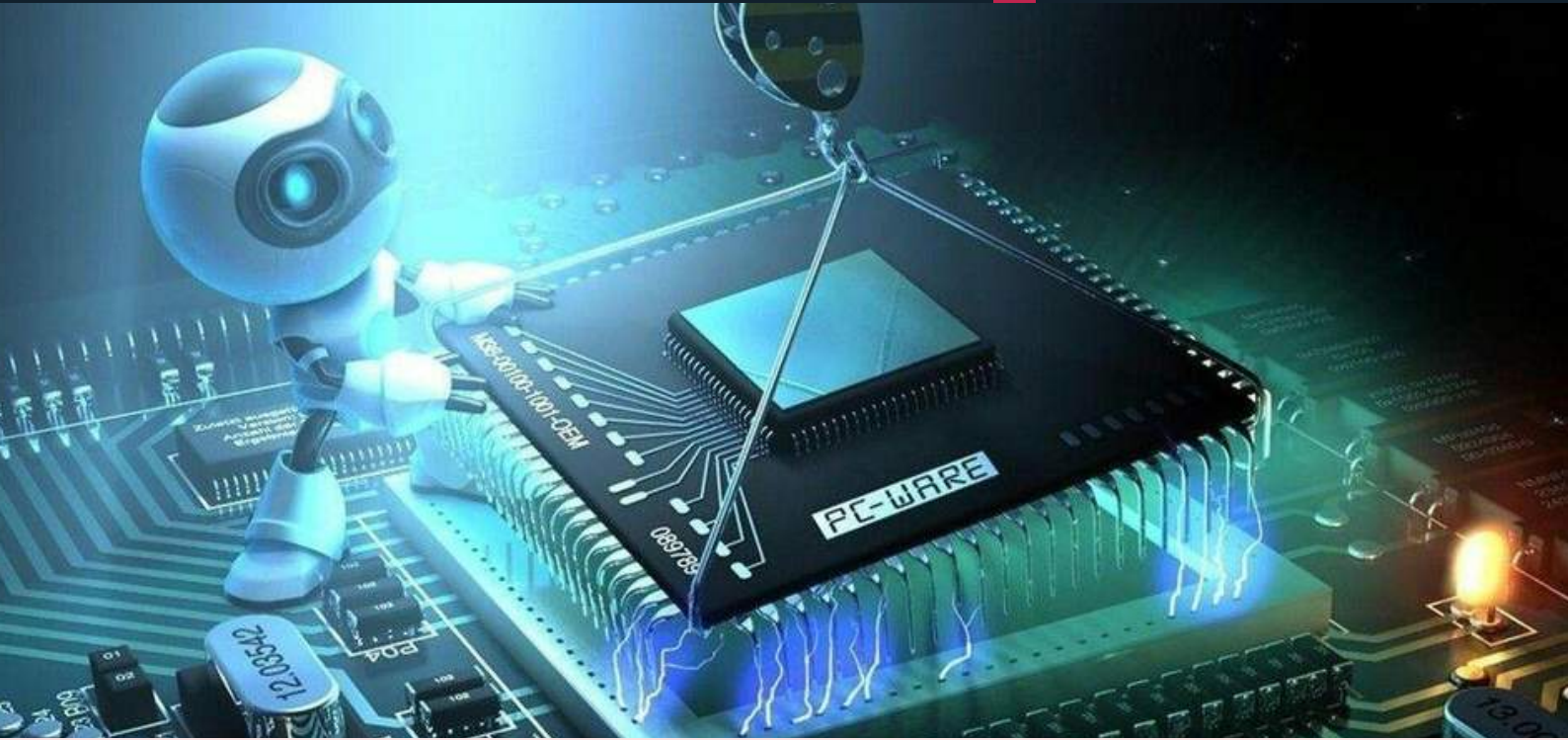
- S. Gopalakrishnan and M. Senthil Kumaran published a paper titled "IIoT Framework Based ML Model to Improve Automobile Industry Product" in Journal of Intelligent Automation & Soft Computing, 2022, vol.31, no.3, pp 1435 – 1439. DOI:10.32604/iasc.2022.020660, – Web of Science Indexed – Impact factor :1.647, ISSN: 1079-8587.

- Sutharsan V., Swaminathan A., Ramachandran S(2016-2020 passed out UG Students)., Lakshmanan M(Senior Scientist-CSIR-CEERI)., Mahadevan B(Associate Professor/EEE) published a paper titled "Electroencephalogram Signal Processing with Independent Component Analysis and Cognitive Stress Classification Using Convolutional Neural Networks". In: Proceedings of International Conference on Recent Trends in Computing. Lecture Notes in Networks and Systems, vol 341.,pp.275-292 Springer, Singapore,2022. https://doi.org/10.1007/978-981-16-7118-0_24 (Scopus Index)

- Dr.R.Seyezhai, Prof/EEE and A.Bharathi Sankar (AP/VIT,Chennai) published a paper tittled, "Self-Powered Super-capacitor for Low Power Wearable device Applications," IOP Conf. Series: Earth and Environmental Science 850 012016, doi:10.1088/1755-1315/850/1/012016, 2021.(SCI Indexed)
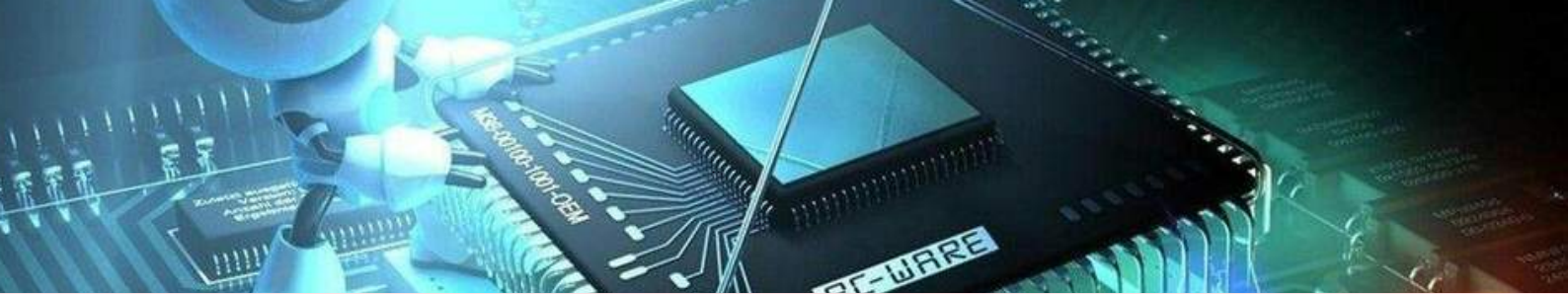
- S. Benisha and J. Anitha Roseline published a paper titled "Interleaved Boost Integrated Flyback Converter for Power Factor Correction in Brushless DC Motor Drive", in Intelligent Automation & Soft Computing, volume 33, Issue 3 pp-1363-1378, DOI:10.32604/iasc.2022.023012,Web of Science Indexed, Impact factor 3.04, ISSN: 1079-8587  2326-005X, March 2022.

- Dr.S.Tamilselvi/ASSP/EEE, Abhishek (Passed out Chemical), Madhusudan Saranathan, Pa Hari Krishna Achuthan, R Adhitya Ravi (IV year EEE students) published a paper titled "Study of parameters affecting the aging of the transformer oil", in Materials Science Forum, Vol. 1048, pp 89-100, Jan 2022. (Internally Funded Student Project). ISSN: 1662-9752. SCOPUS INDEXED, Impact Score:0.55, DOI:10.4028/www.scientific.net/MSF.1048.89

- Dr.R.Seyezhai, Prof/EEE A. Bharathi Sankar Ammaiyappan(AP/SELECT/VIT, Chennai)" published a paper titled Comparative analysis of two-level and three-level multilevel inverter for electric vehicle application using BLDC motor drive," in Circuit World, ISSN: 0305-6120, Dec 2021.(SCI Indexed, Impact factor : 1.8).

- Dr.R.Deepalaxmi, ASSP/EEE and Ms.S.Vijayalakshmi ( full time research scholar) published a paper titled, " Effect of gamma irradiation on titanium dioxide-filled polymer composites in cable insulation applications" in Iranian Polymer Journal.( Springer) ,PP-1-12,DOI : 10.1007/s13726-022-01030-2, February 4, 2022. (Thomson Reuter indexed- Impact factor-1.899).

- R.Seyezhai, D.Umarani and K.Thendral, published a paper titled " Implementation of Modified Boost Converter for Audio Amplifiers in Automotives", in AMA Agricultural Mechanization in Asia, Africa and Latin America, Volume 53, no 2, pp – 5497, Web of Science Indexed – Impact factor :0.23, ISSN – 845841, March 2022.

- P. Shanmugapriya, M. Senthil Kumaran, J. Baskaran, C. Nayanatara, P. Sharmila, Ali M. Eltamaly, published a paper titled "Flexible Dispatch Strategy Adopted by Optimizing DG Parameters in a Real Time Power System Distributed Network", in Journal of Electrical Engineering & Technology, volume 17, pp- 847-861, https://doi.org/10.1007/s42835-021-00938-8 , Web of Science Indexed – Impact factor :1.15, ISSN – 1975-0102, March 2022.
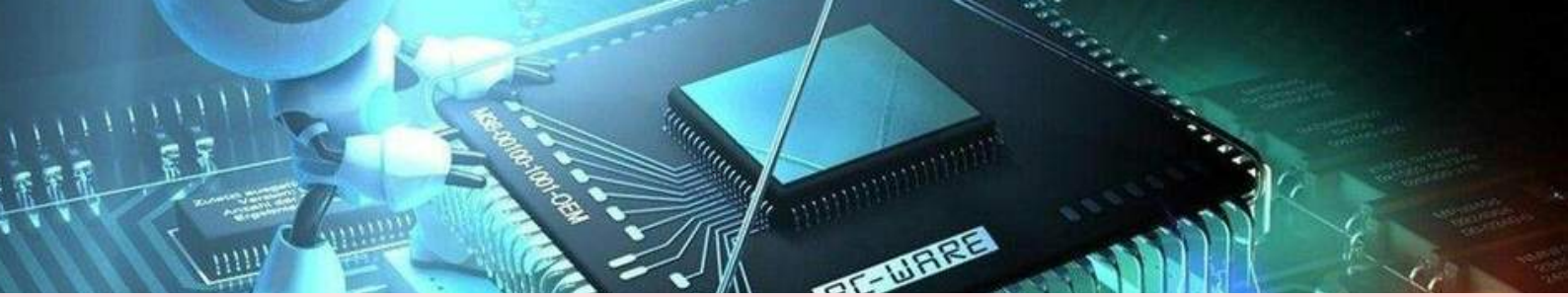
- **Varshini, P. R., S. Baskar, S. Tamil Selvi, published a paper titled "Utopia constrained multi objective optimisation evolutionary algorithm", in Journal of Experimental & Theoretical Artificial Intelligence, Taylor and Francis, volume - 1 Issue-1,pp-1-17, https://doi.org/10.1080/0952813X.2022.2035826 Web of Science Indexed – Impact factor 2.34, ISSN:1362-3079, March 2022.**

# Book Chapters

- **Dr.S.Tamilselvi/ ASSP/EEE, Pon Ragothama Priya P, Baskar S, Mala K, Mohamed Umar Raja M, published "Optimal storage planning in active distribution network considering uncertainty of wind energy system", Springer LNNS, Lecture Notes in Networks and Systems, Vol. 288, pp: 285-296, 2022. ISBN: 978-981-16-5120-5, Print ISBN: 978-981-16-5119-9, Scopus Indexed Book Chapter.DOI: https://doi.org/10.1007/978-981-16-5120-5_22**

- **Dr.S.Tamilselvi/ASSP/EEE, Pon Ragothama Priya P., Baskar S., Jayaprakash N, published "Evolutionary Algorithm Based Optimal Allocation of DG Units", In Book, 'Recent Advances in Power Systems', Springer LNEE, Lecture Notes in Electrical Engineering, vol 812, pp: 333-348, Jan 2022. Print ISBN: 978-981-16-6969-9, Springer Singapore. Scopus Indexed Book Chapter. DOI: https://doi.org/10.1007/978-981-16-6970-5_26**

- **Fantin Irudaya Raj E.(Part time research scholar), Balaji M(Associate Professor/EEE). published a book chapter titled." Application of Deep Learning and Machine Learning in Pattern Recognition" ,in Advance Concepts of Image Processing and Pattern Recognition.,ISBN-978-981-16-9323-6, Springer, Singapore, pp 63-89,2022. (https://doi.org/10.1007/978-981-16-9324-3_4)**

- Dr. R. Seyezhai and A.Bharathi Sankar published a book chapter on "Piezoelectric-Driven Self-Powered Supercapacitor for Wearable Device Applications" with Intech open on 09-03-2022
- Mrunal Deshpande, K. Sathish Kumar, R. Rengaraj, G.R. Venkatakrishnan, Hithu Anand published a book chapter on Electron Beam accelerators: Wastewater to Useable Water with Taylor & Francis Group on 01-03-2022

# Conference Presentation

**MONTHLY UPDATES**



- P. Shanmugapriya, J. Baskaran & M. Senthil Kumaran presented paper titled "Optimal Placement Of Distribution Generator By Incorporating Demand Response Strategy For Residential And Industrial User", in the proceedings of 4th international conference on computing and communication technologies, 16th and 17th Dec 2021.
- Dr. V. Thiyagarajan, ASSP/EEE, has attended the CII Conference on Industry 4.0 - The Digital Transformation for MSME Uttar Pradesh on 21/01/2022.
- Dr.R.Seyezhai, Prof/EEE and Ms.S.Devi, Full-time research scholar presented a paper titled, "Performance Study of Wide Band Gap Device based Quasi Impedance Source Inverter" International Conference on Recent Advances in Materials and Radiation Measurements, organized by department of Physics at SSN College of Engineering during Feb.10-11,2021.

- S.Devi, Sridhar Makkapati and R. Seyezhai presented a paper titled "Neural network based switching loss estimation for DC - DC Converter", in the proceedings of National Conference on Reliability and safety, 12-03-2022

- Dr. V. Thiyagarajan, ASSP/EEE, has presented the paper titled " Control and Protection of Three Phase Induction Motor Using PLC" in the 7th International Zeugma Conference on Scientific Research, organized by Institute of Economic Development and Social Researches, Turkey on 22/01/2022.

- Usha V (III Year / EEE), Mageshwari N (III Year / EEE), Dr. V Thiyagarajan, ASSP/EEE, has presented the paper titled " A Novel 15-level Asymmetrical Inverter with Reduced Number of Switches" in the 7th International Zeugma Conference on Scientific Research, organized by Institute of Economic Development and Social Researches, Turkey on 22/01/2022.

- Anjana Ethirajan, FT-RS/EEE and R. Ramaprabha, ASSP/EEE, presented a paper titled "Mathematical Modeling of PV and Wind for 2.4 kW Connected to a Common DC Bus", in an International Conference on Recent Advances in Mathematics and Computational Engineering (ICRAMCE 2022) during Jan 06 - 07, 2022 conducted by Department of Mathematics, SSN College of Engineering.

- Dr. P. Saravanan, ASP/EEE presented a paper titled "Low Cost and Compact Electrostatic Precipitator Model Controlled by Smoke Detector" in the International Conference on Green Energy and Technologies (GreenTech21) organized by Department of Mechanical Engineering, SSN College of Engineering during Nov. 26-27, 2021.

- Dr.R.Deepalaxmi, ASSP/EEE, Malini.E, Arthi.R, Raghul.M and Lokesh.M (Passed out IV year students) presented the paper titled "Design and Implementation of Arduino based Autonomous School Van with Student Monitoring System" in the International Conference On Recent Advances in Mathematics and Computational Engineering (ICRAMCE - 2022) Virtual mode 6 – 7, January 2022 Organized by Department of Mathematics Sri Sivasubramaniya Nadar College of Engineering.

- Dheepan S S and Muthu Selvan N B presented a paper titled, "A Novel method for Power Factor correction with reinforced controller under sag/swell condition" in proceedings of International Conference for Advancement in Technology (ICONAT) organized by IEEE Bombay section, during 21st and 22nd January 2022.
- Dr. V. Thiyagarajan, ASSP/EEE, has presented the paper titled "Symmetric and Asymmetric Type Inverter Module with Reduced Number of Circuit Components for Renewable Energy Applications" in the 3rd International Conference on Mechanical, Materials And Renewable Energy (ICMMRE 2022), organised by Sikkim Manipal Institute of Technology, Sikkim on 11/02/2022. (Received Best Paper Award)
- Sathyabharathi K (III Year / EEE), Mohamed Ismail M (III Year / EEE), Santhosh D (III Year / EEE), Sneka S (III Year / EEE),Dr. V. Thiyagarajan, ASSP/EEE, has presented the paper titled " A Compact Symmetrical 7-level Inverter Module for Electric Vehicle Applications" in the 5th International Conference on Recent Advancements in Chemical, Environment & Energy Engineering (RACEEE – 2022), organized by the Department of Chemical Engineering, Sri Sivasubramaniya Nadar College of Engineering during February 24-25, 2022.
- H. B. Deepaak Sharan (IV Year / EEE),Dr. V. Thiyagarajan, ASSP/EEE, has presented the paper titled "Smart Irrigation System using IOT" in the 5th International Conference on Recent Advancements in Chemical, Environment & Energy Engineering (RACEEE – 2022), organized by the Department of Chemical Engineering, Sri Sivasubramaniya Nadar College of Engineering during February 24-25, 2022.
- Hari P R (III Year / EEE), Gokul Raghavan AR (III Year / EEE), R Vignesh Ram (III Year / EEE), Dr. V. Thiyagarajan, ASSP/EEE, has presented the paper titled "Home Automation using IOT" in the 5th International Conference on Recent Advancements in Chemical, Environment & Energy Engineering (RACEEE – 2022), organized by the Department of Chemical Engineering, Sri Sivasubramaniya Nadar College of Engineering during February 24-25, 2022.

- Dr. R. Rengaraj, Venkatakrishnan, Hithuanand, presented a paper titled "Optimal placement of Phasor Measurement Units in a Distribution Feeder under Reconfiguration", in the proceedings of Eighth International Conference on Electrical Energy Systems -ICEES2022, 01,02-03-2022
- D. Ragul, RS/EEE, Dr. V. Thiyagarajan, ASSP/EEE, presented a paper titled "Performance Analysis of Novel Nine Level Inverter for Solar Photovoltaic Applications", in the proceedings of Middle East International Conference on Contemporary Scientific Studies-VII, 03-03-2022
- Dr. V. Thiyagarajan, ASSP/EEE, presented a paper titled "Monitoring and Protection of Three Phase Induction Motor against various abnormal conditions using PLC", in the proceedings of Middle East International Conference on Contemporary Scientific Studies-VII, 04-03-2022
- Dr. V. Thiyagarajan, ASSP/EEE, presented a paper titled "A New Symmetric and Asymmetric Multilevel Inverter Circuit with Reduced Number of Components", in the proceedings of International Conference on Innovative Research In Renewable Energy Technologies (IRRET-2022), 20-03-2022

# Webinars/FDP Attended

- **Dr. V. Thiyagarajan, ASSP/EEE, has attended AITCE-ISTE and AITS Sponsored One Week online Induction/Refresher Program on "Challenges and Opportunities in Electric Vehicle Technology", organized by Annamacharya Institute of Technology and Sciences, Andhra Pradesh from 28/12/2021 - 03/01/2022.**

- **Dr. V. Thiyagarajan, ASSP/EEE, has attended the AICTE – ISTE Sponsored Refresher Program on "Battery Energy Storage System & It's Management", organized by KJ's Educational Institute Trinity College of Engineering & Research, Pune from 20/01/2022 - 25/01/2022.**

- **Dr. R. Ramaprabha, ASSP/EEE attended Faculty Development Programme on Electric Vehicle Technologies during Dec 28-30, 2021 conducted by Department of EEE, SSNCE.**

- **Dr R. Leo has participated 5 days ATAL-FDP Program on Cyber Physical Systems & Industrial IOT during this 17th to 21st January 2022 organized by SRM Institute of Science and Technology, Delhi**

- Dr.R.Deepalaxmi, ASSP/EEE attended the Webinar on, "Critical Thinking, Design Thinking and Innovation Design" organized by SSN-IIC4.0, SSN College of Engineeringon 12th January , 2022.
- Dr. R. Leo has participated in 10-days International FDP on "Data Science and Machine Learning" from 19th January to 31st January 2022 organized by Satyabhama Institute of Science and Technology, Chennai.
- Dr. N B Muthuselvan Attended a 5 day online FDP on "Emerging Opportunities in Power Electronics and Drives", organised by IEEE PELS Madras Section, in association with Vellore Institute of Technology, Chennai.
- Dr. N B Muthuselvan Attended a 5 day AICTE ISTE Sponsored Induction Program on, "Big Data Analytics for Smart Grid" during14.12.2021 to 20.12.2021 organised by Sri Krishna Engineering College, Coimbatore.
- Dr. N B Muthuselvan Attended a 6 ACITE - ISTE sponsored Six-day induction / Refresher Program on "Modern Technologies for Teaching" scheduled from 31st Jan to 5th Feb 2022 organized by Department of Mechanical Engineering, PSR Engineering College, Sivakasi.
- Dr R. Leo has participated in Two-week Short-Term Training Program on Augmented Reality and Virtual Reality – A Future Technology during this 31/1/2022 to 11/2/2022 organized by SRM Institute of Science and Technology, Chennai.
- Dr. R. Leo has participated in 10-days International FDP on "Practices on Deep Learning models, Simulation tools Data visualization techniques on Cloud computing from 14th to 19 February 2022 organized by SRM Institute of Science and Technology, Chennai.
- Dr. V. Thiyagarajan, ASSP/EEE, has attended AICTE-ISTE Sponsored Refresher Program on "Modern Technologies for Teaching" organised by P.S.R Engineering College, Sivakasi from 31/01/2022 - 05/02/2022.
- Dr. V. Thiyagarajan, ASSP/EEE, has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on " Management of Intellectual Property Uncertainty in Designing and Manufacturing for Electric Vehicle Systems " organised by NIT Manipur from 21/02/2022 - 25/02/2022.

- Dr Mrunal Deshpande Attended a Webinar on, "Incubation Centre-IGCAR: An Introduction"09th February 2022 (Wednesday): 10.00 am – 11.00 am. Organized by SSN-IIC. The resource person for the webinar was Dr. N. SubramanianHead, Incubation Centre-IGCAR & Professor of Physics (HBNI) Indira Gandhi Centre for Atomic Research Kalpakkam-603102, Tamil Nadu, India

- Dr.V.Rajini attended a webminor on "Introduction to Entrepreneurship" and "Entrepreneurial Ecosystem' organized by IIT Bombay. Speaker: Dr Devdip Purkayastha, Professor-of-Practice, DS School of Entrepreneurship at Indian Institute of Technology, Bombay arranged by SSN Incubation Foundation (SSN IFound) On 15-2-2022 from 5.00 pm to 7 pm

- Dr.R.Deepalaxmi, ASSP/EEE attended the Webinar on, "Incubation Centre-IGCAR: An Introduction organized by SSN-IIC4.0, SSN College of Engineeringon 9th February , 2022.

- Dr.R.Leo attended a 5 day Faculty Development Program on UNBLOCKING BLOCKCHAIN TECHNOLOGY – HANDS-ON conducted by Crescent Institute of Science and Technology, Chennai on 04-03-2022

- Dr. R. Seyezhai attended a one day Webinar on STAND UP for STARt-UP - A Beginner level Exposure conducted by SSN-IIC4.0 at Srisiva Subramaniya Nadar College of Engineering on 22-03-2022.

- Dr.V.Thiyagarajan attended a 5 day Workshop on DC Community Level Grid-Challenges in Protection, Control & Stability (DCLG-2022)  conducted by Department of Electrical Engineering, NIT Calicut, Kerala on 01-03-2022

# EVENTS/WORKSHOPS ATTENDED

## MONTHLY UPDATES
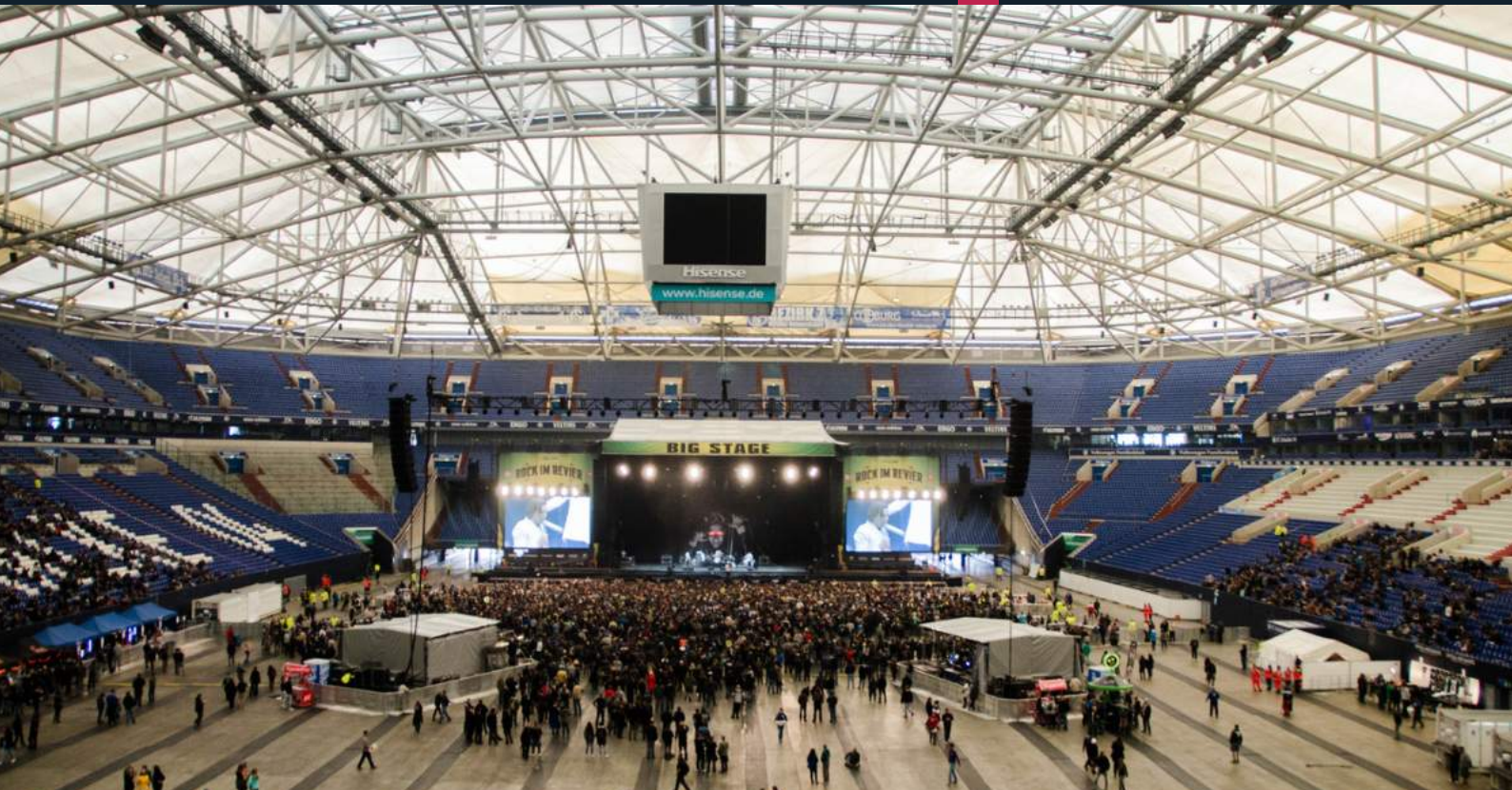


- **Dr. V. Thiyagarajan, ASSP/EEE, has attended the workshop on "Big Data - IoT", jointly organized by World Resources Webinar, SRM Institute of Science and Technology Chennai & EAT-FBiH Engineering Chamber, Bosnia and Herzegovina on 26/01/2022.**
- **Dr. R. Ramaprabha, ASSP/EEE attended Workshop on Artificial Intelligence and Blockchain for Electrical Engineering during Jan 21 -22, 2022 conducted by Department of EEE, SSNCE.**
- **Dr.R.Seyezhai, Prof/EEE attended the Workshop on Artificial Intelligence and Blockchain for Electrical Engineering during 21st & 22nd January 2022.**
- **Dr. N B Muthuselvan Attended "Conference on Industry 4.0- The Digital Transformation" organized Confederation of Indian Industry, on 21 Jan 2022.**
- **Dr.R.Seyezhai, Prof/EEE attended the MIC driven activity conducted by Innovation council titled, " Inauguration of "e-Symposium on Building Innovation and Entrepreneurial Ecosystem in Educational Institutions" on 11.01.2022.**

- Dr.R.Seyezhai, Prof/EEE attended the MIC driven activity conducted by Innovation council titled, "Orientation Session on IIC4.0 & Features - MoE's Innovation Cell" on 24.01.2022.
- Dr. R. Ramaprabha, ASSP/EEE attended Online National Workshop on Grid Power Electronics Technology during 18-19, Feb 2022 sponsored by SERB, Govt. of India, conducted by IIITDM Kancheepuram, Chennai, TN.
- Dr Mrunal Deshpande Attended the National Seminar, "Artificial Intelligence in Electrical Drives, on Feb 12, 2022 09.00 AM India, ISTE, EEE Dept SSNCE
- Dr Mrunal Deshpande attended The lecture delivered by Mr. Guruvayurappan, Alumni, 2005 Batch. On the topic Handling negativity, slowing down and simple 1 minute on the spot meditations to regain focus 11th February , 2022.
- Dr. V. Thiyagarajan, ASSP/EEE, has attended the National Seminar on "Artificial Intelligence in Electrical Drives" organized by SSN – IIC4.0 in association with SSN-ISTE Chapter on 12/02/2022.
- Dr.R.Deepalaxmi, ASSP/EEE attended an Extra-Mural Lecture titled " Rediscovering Inner Power" organized by SSN AID project SSN College of Engineering on 11th February , 2022.
- Dr.R.Deepalaxmi, ASSP/EEE attended the national seminar, "Artificial Intelligence in Electrical Drives" organized by Department of EEE and ISTE chapter of SSN College of Engineeringon 12th February , 2022.

# EVENTS/WORKSHOPS CONDUCTED

## Workshop on 'Design challenges in EV motors and analysis using FEA tools

Department of EEE conducted virtual two days' workshop on 'Design challenges in EV motors and analysis using FEA tools' during 28-29 Jan 2022. The coordinators are Dr.V.Rajini, Dr.S.Tamilselvi and Dr.V.S.Nagarajan. Electromagnetic design analysis and design play an important role in the manufacture of electrical machines. This workshop focussed on fundamental concepts of electromagnetic design and analysis of EV motors using FEA software tool packages. Hands-on training with tools was also provided. There were 26 participants from across the state. The session details are as follows

**Day 01:**

Session 1 was handled by Dr. A. Deepak Electromagnetic Design Engineer, ePropelled Systems Pvt Ltd on the topic '"Electromagnetic Design of PMSM for Two-Wheeler applications using MotorSolve.

Session 2 was handled by Dr.V.S. Nagarajan Associate Professor, SSNCE on the topic "Electromagnetic Design of IPMSM for Electric Vehicle applications using MotorSolve .



**Day 02:**

Session 1 was handled by Ms. Aparna Balasubramanian Electromagnetic Design Engineer, ePropelled Systems Pvt Ltd on the topic 'Electromagnetic Design of PMSM for TRIKE applications using MotorSolve'-

Session 2 was handled by Dr. Aswin Yuvaraj G, Senior Design Engineer, ZF Group, Hyderabad.on the topic 'Thermal and Cooling Design of IPMSM using MotorCAD'

# National Level Technical Seminar on "Performance Evaluation of an Electric Vehicle in Real-World"
## March 12, 2022

**Coordinators:**

Dr N. B. Muthu Selvan, Associate Professor / EEE

Dr V. Thiyagarajan, Associate Professor / EEE

Department of Electrical and Electronics Engineering in association with Institution's Innovation Council (SSN – IIC) & SSN - IEI Student Chapter has jointly organized National Level Technical Seminar on "Performance Evaluation of an Electric Vehicle in Real-World" on March 12, 2022. The keynote talk is delivered by Dr. Robindro Lairenlakpam, Principal Scientist, CSIR-Indian Institute of Petroleum (CSIR-IIP), Dehradun. The total number of participant was 40 from various colleges which includes DAV Institute of Management , Faridabad, Rohini College of Engineering and Technology, VDF School of Engineering & Technology, Latur, and Government Engineering College Dahod.

# National Level Workshop on "INDUSTRIAL AUTOMATION USING PLC AND SCADA" March 18, 2022

Coordinators

    Dr V. Kamaraj, Professor / EEE

    Dr V. Thiyagarajan, Associate Professor / EEE

    Dr R. Rengaraj, Associate Professor / EEE

    Dr G. R. Venkatakrishnan, Associate Professor / EEE

Department of Electrical and Electronics Engineering has organized National Level Workshop on "Industrial Automation using PLC and SCADA" on March 18, 2022. The keynote talk was delivered by Mr. A. Ramesh Kumar, Managing Director, First Logic Automation, Chennai. The total number of participant was 50 from various colleges which includes Velagapudi Ramakrishna Siddharth Engineering College - Andhra Pradesh, DVR & DR.HS MIC College of Technology- Andhra Pradesh, Sri Manakula Vinayakar Engineering College- Puducherry, Theni Kammavar Sangam College of Technology, Saveetha School of Engineering and Siechem Technologies Pvt Ltd.

# National Level Virtual Short Term Training Program on
# "Molecular Simulation: From Chemical Structure to Green Separation Process"
# March 07-11, 2022

**Conveners**

    Dr K. Sathish Kumar, Professor & Head, Chemical Engg.,

    Dr V. Rajini, Professor & Head, EEE

**Coordinators**

    Dr R. Anantharaj, Associate Professor/ Chemical Engg.,

    Dr V. Thiyagarajan, Associate Professor / EEE

Department of Chemical Engineering and Department of Electrical and Electronics Engineering has jointly organized National Level Virtual Short Term Training Program on "Molecular Simulation: From Chemical Structure to Green Separation Process" during March 07-11, 2022.The main objective of this workshop is to introduce the participants to various molecular simulation techniques, with special emphasis on current engineering problems. About 150 participants from various institutions including A.C.Tech Campus, Anna University, Ahmedabad University, Hindusthan College of Engineering and Technology, VSB Engineering College and SSN College of Engineering had participated in the workshop.

SRI SIVASUBRAMANIYA NADAR
COLLEGE OF ENGINEERING
KALAVAKKAM – 603 110
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Department of Chemical Engineering
&
Department of Electrical and Electronics Engineering
Jointly organizes

National Level Virtual Short-Term Training Program on

MOLECULAR SIMULATION
FROM CHEMICAL STRUCTURE TO
GREEN SEPARATION PROCESS

DATE: MARCH 07 - 11, 2022
TIME: 10 AM – 11.30 AM

☐ FREE REGISTRATION
☐ E-CERTIFICATE WILL BE PROVIDED

CONVENERS
Dr K. Sathish Kumar, Professor & Head, Chemical Engg.,
Dr V. Rajini, Professor & Head, EEE

COORDINATORS
Dr R. Anantharaj, Associate Professor
Dr V. Thiyagarajan, Associate Professor

Registration Link
https://forms.gle/nAV3Ue3eggASNcdaA

| Date | Title | Speaker | |
|---|---|---|---|
| 07/03/2022 | Process Simulation in Petroleum Refinery Using ASPEN PLUS – A Case Study |  | Dr.Dharamashi Rabari<br><br>Ahmedabad University |
| 08/03/2022 | COSMO-RS: Theory and Thermodynamic Applications |  | Dr.Debashis Kundu<br><br>Institute of Chemical Technology Mumbai |
| 09/03/2022 | Simulation of Cyclohexane production from benzene hydrogenation using Aspen plus v10 |  | Dr.Sridar Dalai<br><br>Ahmedabad University |
| 10/03/2022 | Molecular Simulation in Chemical Engineering |  | Dr.Anand Bharti<br><br>Birla Institute of Technology  Ranchi |
| 11/03/2022 | Introduction to Process Modeling Using Aspen Plus |  | Dr.Pyarimohan Dehury<br><br>Indian Institute of Technology Madras |

# Webinar on "Profile Building for Placements & Higher Education"
# March 24, 2022

**Coordinator:**

　Dr V. Thiyagarajan, Associate Professor / EEE



Department of Electrical and Electronics Engineering organized a Webinar on "Profile Building for Placements & Higher Education" for undergraduate students to know about the higher education opportunities and career opportunities after graduation. The speaker of the event is Ms. Anna Mary, Carrer Labs, Chennai. The main objective of this webinar is to give students a clear idea on how to plan their higher education and career. At the end of the programme, Students learned about the benefits of a higher education, the importance of interview preparation, and the scholarship application process.

# INTERNATIONAL WOMEN'S DAY - QUIZ COMPETITION
# March 08, 2022

**Coordinators**

Dr N. B. Muthu Selvan, Associate Professor / EEE

Dr V. Thiyagarajan, Associate Professor / EEE

The world comes together for International Women's Day (IWD) on March 8 to celebrate women's achievements and reinforce a commitment to women's equality. SSNCE IEI Students Chapter and SSN YRC in association with The Institution of Engineers (India) has organized an International Women's Day - Quiz Competition on March 08, 2022. The theme of Quiz was "Gender equality today for a sustainable tomorrow", which aims to recognize women who are working to build a more sustainable future around the world. The total number of participants was 75 from various departments of Sri Sivasubramaniya Nadar College of Engineering. Finally, E-certificates are given to all participants and prizes are distributed to the winners of the competition. The prize winners of the event are as follows:

| Position | Student Name | Year | Department |
|----------|--------------|------|------------|
| First | Rishvega K R | I Year | BME |
| Second | Abinaya A | II Year | EEE |
| Third | Sanjay Rojar U | II Year | CSE |

# Workshop on Artificial Intelligence and Blockchain for Electrical Engineering January 21 and 22, 2022

Department of EEE conducted a two days' workshop on, "Workshop on Artificial Intelligence and Blockchain for Electrical Engineering" during January 21 and 22, 2022. The coordinators are Dr V.Rajini , HOD, EEE, Dr R.Leo, and Dr.M Pandikumar, ASSP/EEE . Advanced technologies of Blockchain and Artificial Intelligence were discussed by the speakers. 80 participants from across the nation

**Day 01:**

Session 1 was handled by Dr. G.R. KARPAGAM Professor/CSE Department, PSG Tech, Coimbatore on the topic "COUSINS OF AI

Session 2 was handled by Dr. P. VIJAYALAKSHMI Head, Department of Computer Science and Information Technology, NIMS University, Rajasthan, Jaipur on the topic "MACHINE LEARNING FOR ELECTRICAL ENGINEERING
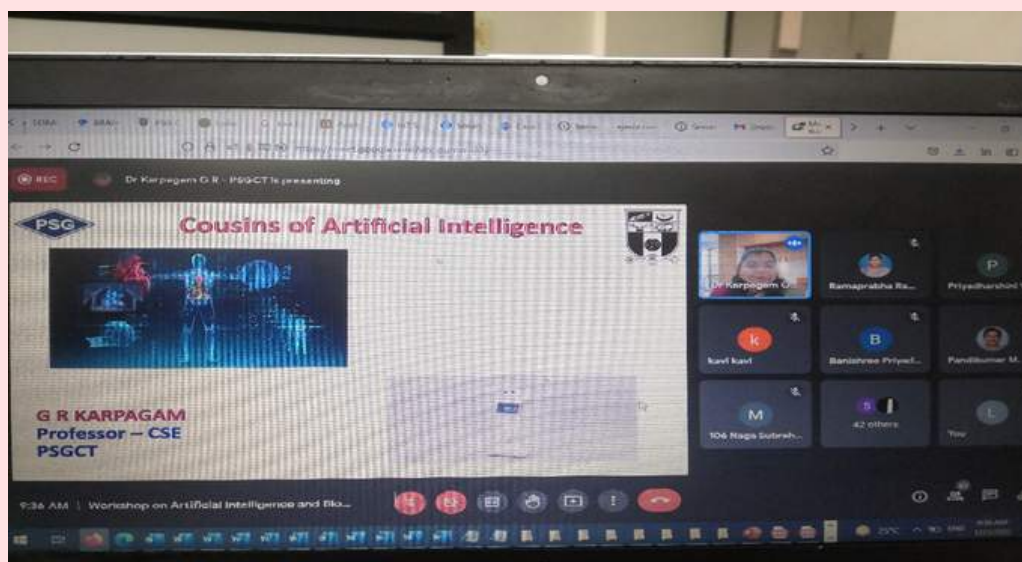
Session 2 was handled by Dr. P. VIJAYALAKSHMI Head, Department of Computer Science and Information Technology, NIMS University, Rajasthan, Jaipur on the topic "MACHINE LEARNING FOR ELECTRICAL ENGINEERING"

Day 02:

Session 1 was handled by Dr. K. ANNAPURANI PANAIYAPPAN Professor & Head/Department of Networking and Communications, SRM Institute of Science and Technology, Kattankulathur on the topic BLOCKCHAIN FOR ELECTRICAL ENGINEERING

Session 2 was handled by Dr. K. ANNAPURANI PANAIYAPPAN Professor & Head/Department of Networking and Communications, SRM Institute of Science and Technology, Kattankulathur on the topic SMART CONTRACT AND APPLICATION OF BLOCKCHAIN IN ELECTRICAL ENGINEERING
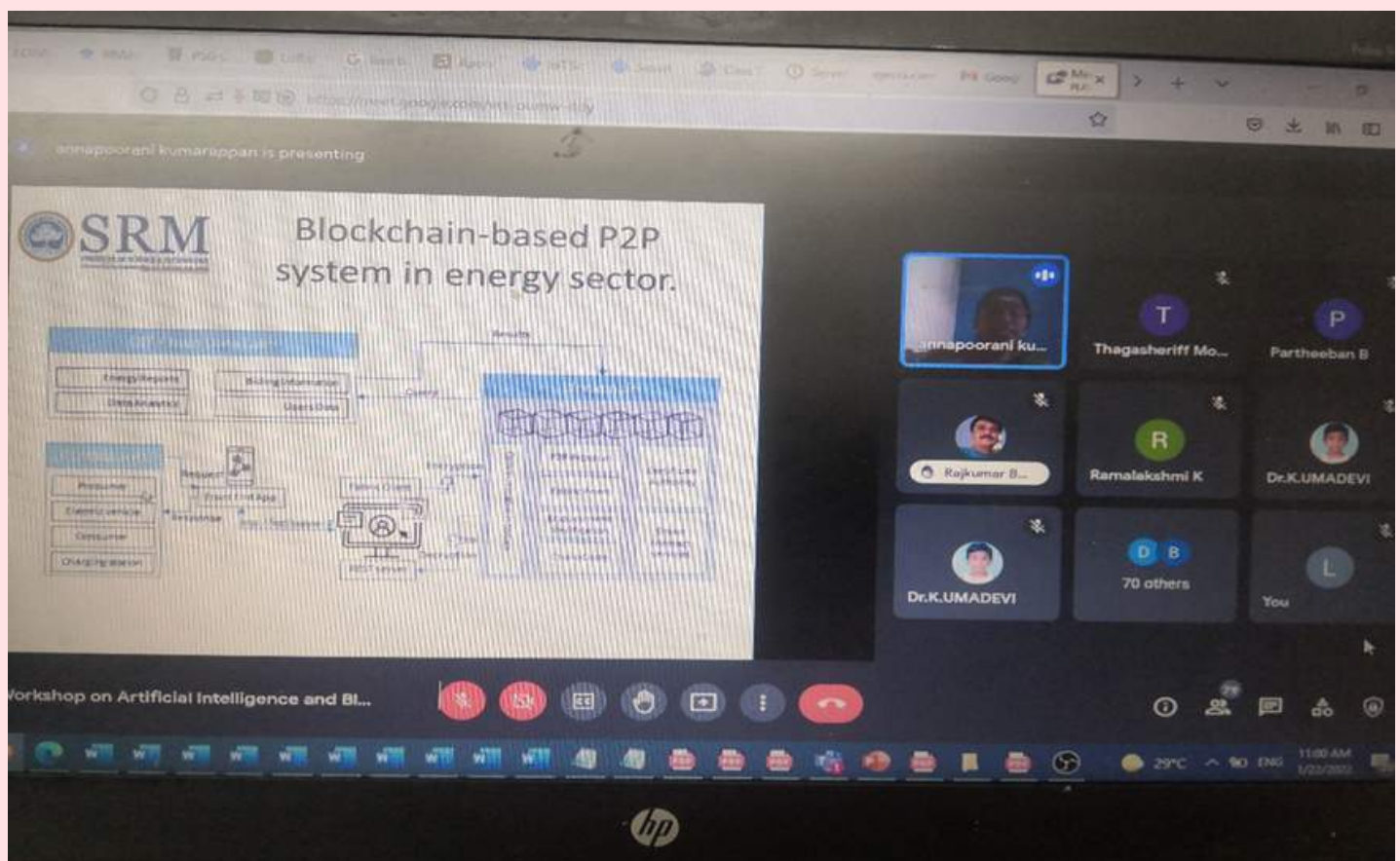
# Advanced Technologies for Electrical Engineering
## February 4 and 5, 2022

**Coordinators**

Dr V.Rajini , HOD, EEE

Dr R.Leo, ASSP/EEE

Dr R. Ramaprabha, ASSP/EEE

Dr.M Pandikumar, ASSP/EEE

Department of EEE conducted a two days' workshop on, "Advanced Technologies for Electrical Engineering" during February 4 and 5, 2022. Advanced technologies of Blockchain and machine learning were discussed by the speakers. There were 80 participants across the nation.

**Day 1:**

Session 1 was handled by Dr. RUBAN N, Associate Professor, HOD, Department of Control and Automation, MAC, School of Electrical Engineering, Vellore Institute of Technology (Vellore Campus), on the topic "Basics of Machine Learning for Image Analysis - Deep Learning approaches with a case study"
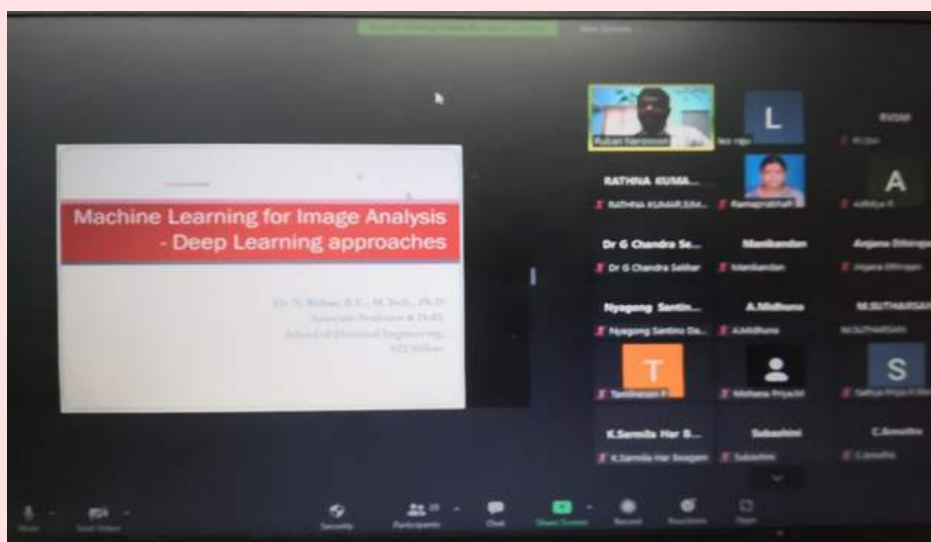
**Day 2:**

Session 1 was handled by Dr Sasikumar P, Associate Professor and Head, Department of Embedded Technology, School of Electronics Engineering [SENSE], Vellore Institute of Technology (Vellore Campus) on the topic "Applying blockchain technology to electric power systems"

Session 2 was handled by Dr. S. Maheswari Associate professor, School of Computer Science and Engineering, Vellore Institute of Technology (Chennai Campus) on the topic "Data Visualization for Electrical Engineers"

# World Mother Language day Celebration
# 21-02-2022

**Coordinator:**

   **Dr K. Murugasen**

SSN-SAARAL Tamil club in association with AICTE organized a "World Mother Language day" on 21-02-2022 at 2:00pm in online mode. The significance of this day is to promote dissemination of mother Language of all and create awareness of linguistic and cultural traditions and diversity across the world and to inspire solidarity amongst people (students) of different cultures, speaking different languages by conducting following students events.

   1.Elocution competition
   2. Poetry competition
   3. Drawing competition.

Our principal Dr.Ve. Annamalai delivered the inaugural address. Dr. K. Murugesan, Associate Professor/EEE gave felicitation address. Student volunteers from Saaral Tamil club involved in organizing the event and competitions.

Audience: Students, teaching faculty and Non-teaching staff of SSNCE.

# Artificial Intelligence in Electrical Drives
## Feb 12, 2022

**Event Coordinators:**

      **Dr. V. Kamaraj (Prof. /EEE)**
      **Dr. R. Seyezhai (Prof./EEE)**
      **Dr. R. Ramaprabha (ASSPs/EEE)**
      **Dr. M. Balaji (ASSPs/EEE)**

**Speaker 1: Ms. N. Laxmi, Software Engineer – AIML, Prodapt Solutions, Chennai delivered a lecture titled "Introduction to Machine Learning"**

**Speaker 2: Shri. Sitangshu Sekhar Biswas, Scientific Officer- E, BHAVINI, Kalpakkam delivered a lecture titled "Artificial Intelligence for Induction Motor Drives".**

# International Conference-Recent Trends in Power and Energy Engineering

**Convenors:**

Dr. Mrunal Deshpande,

Dr. S. TamilSelvi,

Dr. R. Rengaraj,

Dr. G. R. Venkatakrishnan

RTPEE-2022 is the premier interdisciplinary platform to deliver the latest developments and innovative research results in the area of power and energy engineering for all professionals, researchers and engineers. This conference aims to foster interaction in the area of power and energy engineering with a specific focus to smart grid, IOT, renewable energy, cybersecurity in power system and its applications among researchers from both academia and industry.

Based on this theme, around 50 technical papers were received and 25 were shortlisted for presentation by the conference technical committee after peer review process. The conference included two keynote addresses, by the eminent speakers. One keynote address was delivered by the chief guest Mr Shridhar Gokhale, Director and Chief Executive Officer, Indo Tech Transformers Ltd., Kanchepuram. Second keynote address was by Mr Gautam Kumar, Chief Technology Officer, Intellismart Infra Structure Pvt Ltd, Gurugram, Haryana on 4th February.

**Mr Shridhar Gokhale, Director and Chief Executive Officer, Indo Tech Transformers Ltd**
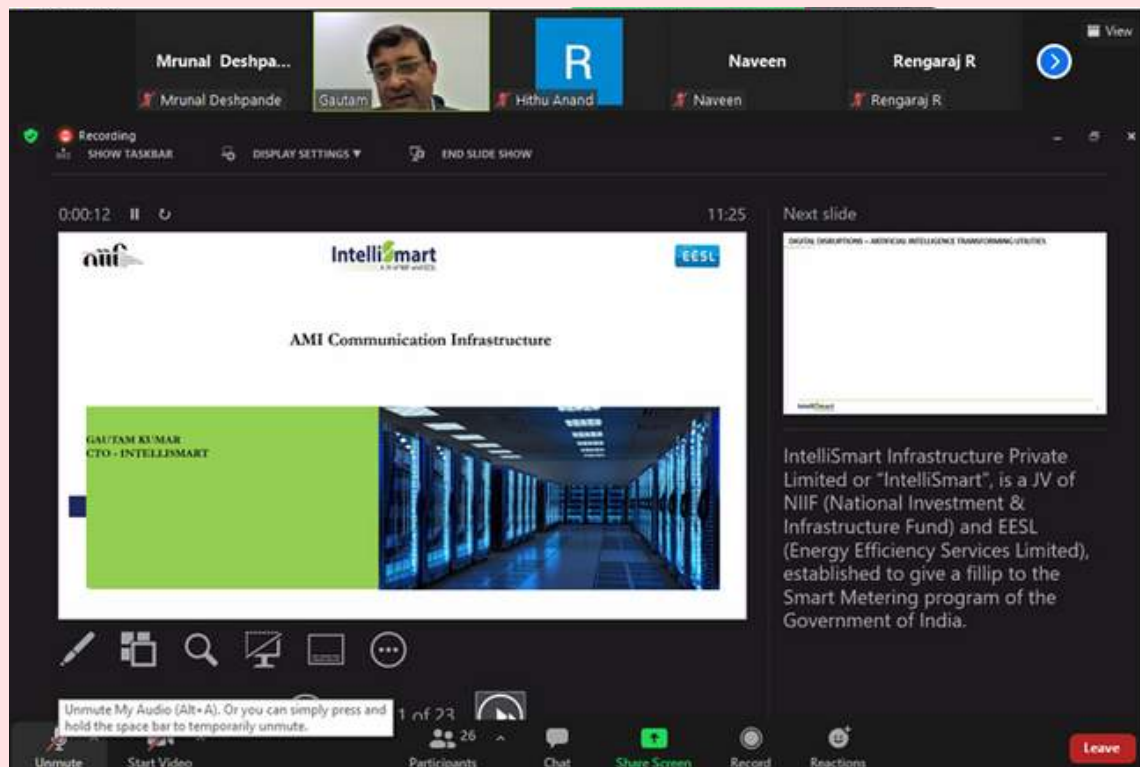
**Mr Gautam Kumar, Chief Technology Officer, Intellismart Infra Structure Pvt Ltd**

# 8th International Conference on Electrical Energy Systems
# March 8, 2022

**Event Coordinators:**

Dr. V. Rajini (Prof. & Head/EEE),

Dr. V. Kamaraj, (Prof.s/EEE)

Dr.R. Seyezhai (Prof.s/EEE)

Dr. R. Ramaprabha, (ASSP/EEE)

Dr. M. Balaji (ASSP/EEE)

Dr. M. Pandikumar (ASSP/EEE)


The Department of Electrical and Electronics Engineering organized the 8th International Conference on Electrical Energy Systems (ICEES-2022) during Mar 01-02, 2022. This conference aims to foster interaction in electrical energy systems with a specific focus to smart grid, embedded systems, renewable energy, and its applications among scientists from both academia and industry. 140 papers have been received and 75 papers have been shortlisted. 45 papers have been registered for the conference. The conference received national participation across all states in India which include papers from reputed universities and engineering college, one international participant and one industry participant. This conference gave an invaluable platform for the academicians and industries to converge upon the various ways of utilizing renewable energy sources and its emerging technologies. Book of abstracts of the presented papers in the conference were published as "Proceedings of 8th International Conference on Electrical Energy Systems" with ISBN: 978-981-18-3693-0. The conference started with the Inaugural address by Prof. Dr. Saad Mekhilef, Power Electronics and Renewable Energy Research Laboratory (PEARL), Department of Electrical Engineering, University of Malaya, Malaysia on 01/03/2022. Dr. Kala Vijayakumar, President, SSN Institutions preside over the function followed by Principal and Vice Principal addresses

- **Keynote – 1:** The Role of Power Electronics in Providing a Sustainable Energy Supply by Prof.Dr. Saad Mekhilef, Power Electronics and Renewable Energy Research Laboratory (PEARL), Department of Electrical Engineering. University of Malaya 50603 Kuala Lumpur, Malaysia, Malaysia on 01/03/2022.
- **Keynote – 2:** Enhancing Brain Tumor Classifications using Transfer Learning and Skip Connections by Dr. Kenneth E. Okedu, Department of Electrical and Communication Engineering, National University of Science and Technology, Sultanate of Onam, Muscat on 01/03/2022.
- **Keynote – 3:** Innovation Agenda for Renewable Energy Technologies by Dr.Chockalingam Aravind Vaithilingam, Programme Director/EEE, Taylor's University, Malaysia on 02/03/2022.
- **Keynote – 4:** The Quest for Smart City Sustainabilityby Dr. Chockalingam Aravind Vaithilingam, Programme Director/EEE, Taylor's University, Malaysia on 02/03/2022.
- There are 4 technical paper presentation sessions and session chairs are Dr. R. Rengaraj, Dr. Mrunal Deshpande, Dr. N. B. Muthuselvan, Dr. M. Senthil Kumran, Dr. S. Tamilselvi, Dr. K. Usha, Dr. M. Devesh Raj, Dr. K. Murugesan, Dr. U. Shajith Ali and Dr. M. Pandikumar, Associate Professors of EEE department, SSNCE.
- The paper presentation sessions were coordinated by the full-time research scholars (EEE department) Ms. T. Divya, Ms. S. Devi, Mr. Sridhar Makkapati, Ms. Anjana Ethirajan, Ms. B. Lakshmi Prabha, Ms. M. Karthika

# Inaugural function
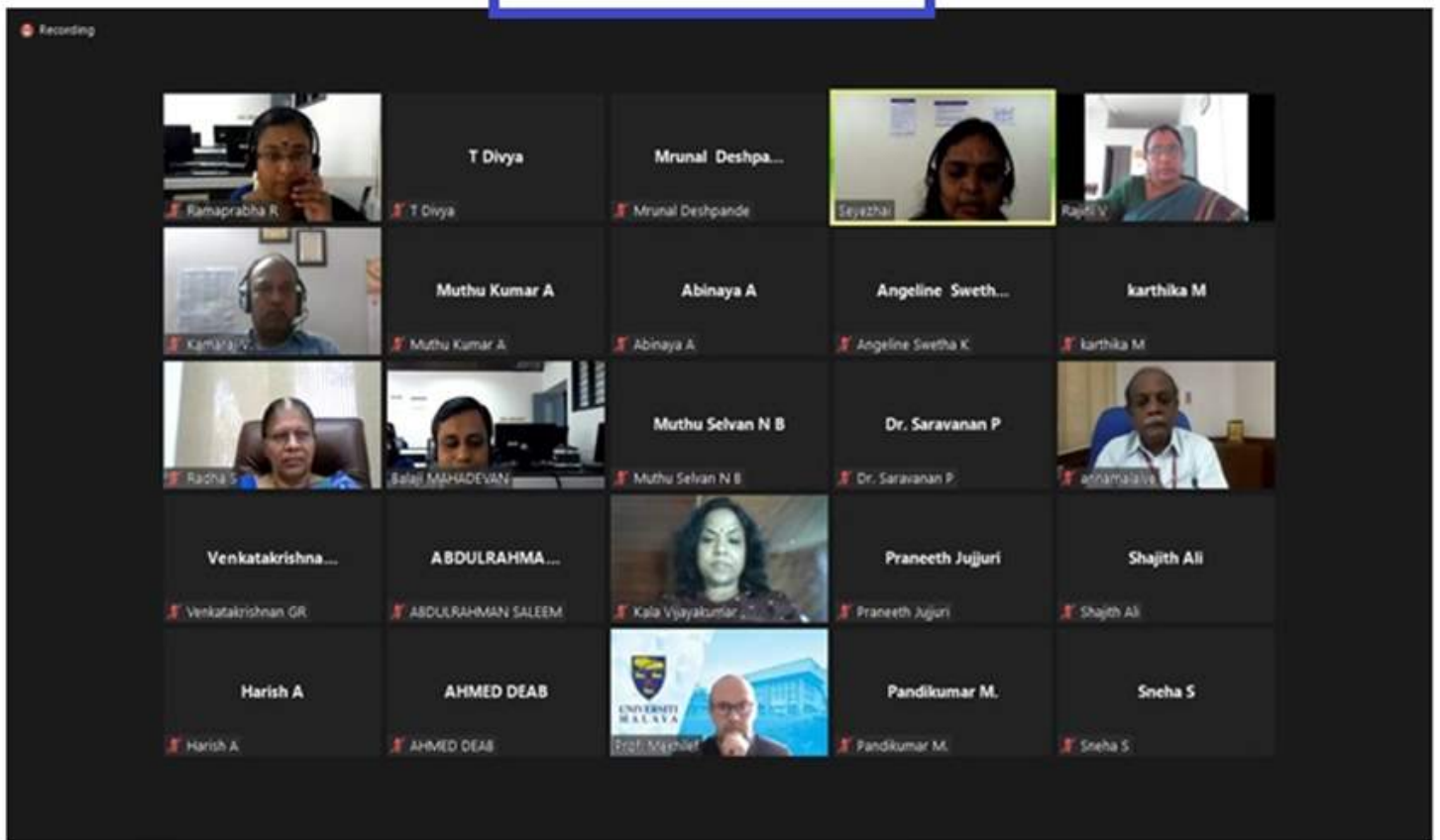


# Keynote address 1
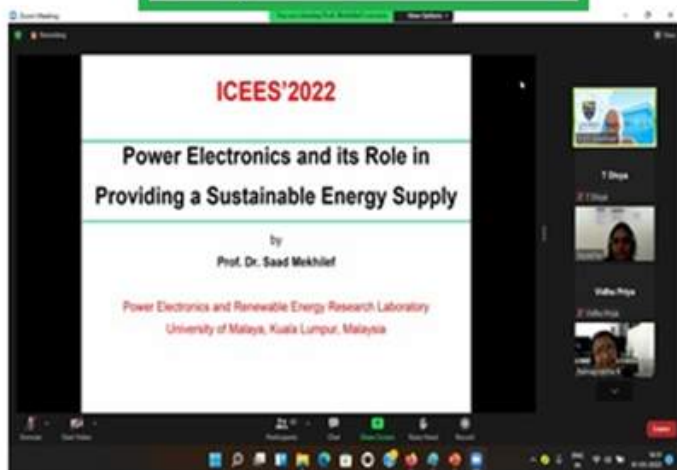


# Keynote address 2
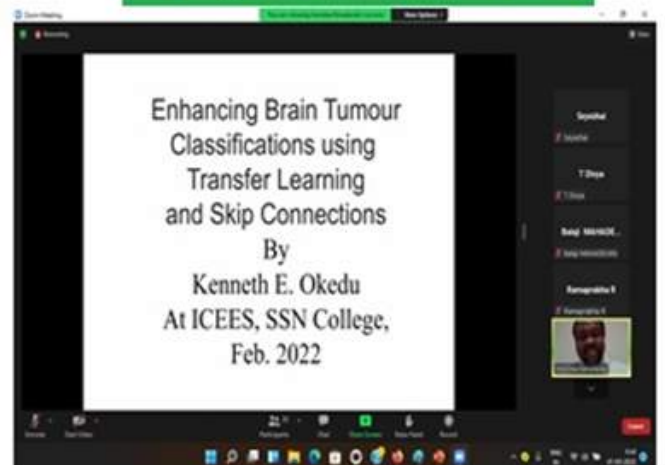


# Keynote address 3



# Keynote address 4
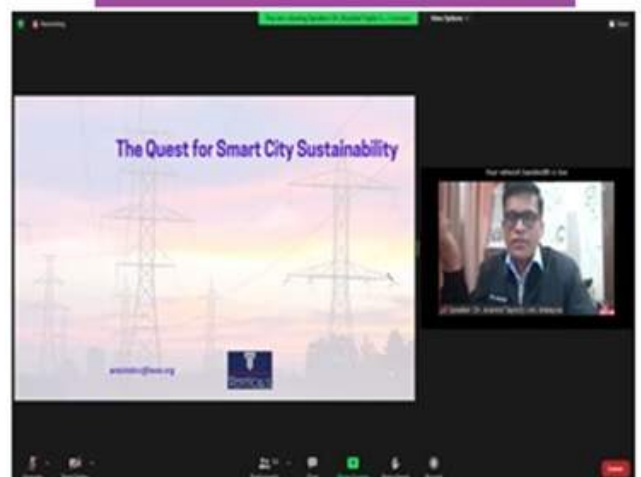
- Dr. P. Saravanan and Dr. Shajith Ali, ASP/EEE, organized a three days' workshop on, "Recent trends in design of Electric Vehicles", during 28-30, December 2021.
- Dr. R. Seyezhai, Prof./EEE, Dr. R. Ramaprabha, ASSP/EEE and Dr. M. Balaji, ASSP/EEE conducted Workshop on "Double Diamond Approach in Design" under SSN-IIC on Jan 29, 2022.
- Dr.R.Seyezhai, Prof/EEE and Dr.S.Sureshkumar, ASSP/Mech organized a workshop on, "Critical Thinking, Design Thinking and Innovation Design" on behalf of SSN-IIC4.0 on 12.01.2022.The speaker was Dr.V.E.Annamalai and he highlighted the following points :Ideate for generating alternate solutions to problems,2. Convert an idea into prototype and 3. Develop methods to test the prototype.

# Industry Collaboration

- **Dr.R.Seyezhai and Dr.S.Sureshkumar, ASSP/Mech submitted the quarter-1 and quarter-2 report of SSN-IIC4.0 in the IIC Portal on 13-03-2022**
- **Dr.R.Seyezhai and Dr.S.Sureshkumar, ASSP/Mech completed the pre-qualifier for ARIIA-2022 ranking in the ARIIA Portal on 08-03-2022**
- **Dr. R.Seyezhai, and Dr.D.Umarani, demonstrated the solar based trike using hybrid sources, Li-IOn battery charging unit and E-bicycle in the Renewable Energy Conversion laboratory to the team from Ashok Leyland and discussed about the reliability analysis of EV on 24-03-2022**

- Dr.V.Rajini attended the meeting with caterpillar on 25-2-2022, india for possible consultancy work
- Dr.V.Rajini attended the meeting with Dr. K.P.A. Nair, Stone link Technologies on 26-2-2022 regarding a consultancy work

# ASHOK LEYLAND's visit to EEE department on 24/03/2022

# Department of EEE signed MOU with Numeric UPS on March 23, 2022



**MOU signed with Numeric UPS**



**Mr. Satpal Singh, CEO , Numeric UPS addressing students on Role of electrical engineers in manufacturing industry**

# Project News

- The project titled "Energy Meter Bill Alert On Handset At Predetermined Energy Consumption Using Arduino Uno And Gsm" proposed by Ms.Marutham Rathna Valli. M and Keerthna. S (Third Year EEE) under the guidance of Dr. S. Krishnaveni is preliminary evaluated and recommended for the final project submission organized by IEEE Madras Section Student Project Funding 2021-22.

- Project titled "Design and Development of Replicable and Scalable Cyber Physical Micro Grid System" submitted by Dr.R.Deepalaxmi, Asso.Prof/EEE as Co-Principal investigator along with Dr.C.Vaithilingam Asso.Prof/SELECT, Vellore Institute of Technology, Chennai as Principal investigator has been sanctioned by Department of Science and technology , International Bilateral Co-operation Division (India-Serbia, Bilateral Scientific and Technological Cooperation) on 14 th February , 2022

- **Dr.R.Leo (PI) and Dr. M.Senthil Kumaran (CO-PI)** submitted a project proposal titled "LoraWAN and STM32 based Advanced Building Automation and Energy Management", for a duration of 3 years on 07-03-2022 to SERB, for a funding amount of Rs 3200000.

- **Dr.R.Seyezhai, Prof/EEE** received the information regarding the selection of her project presented to the AU-NLCIL Innovation Hub for Energy, Environment & Sustainability – 'ANIHEES',Anna University, Chennai from the co-ordinator.

- **Dr.V.Kamaraj. Prof/EEE, Dr.R.Seyezhai, Prof/EEE, Dr.D.Umarani, ASSP/EEE** submitted the AICTE-MODROBS project completion report and received the balance amount from AICTE and also received the closure report of the project successfully. The outcome of this project led to the Establishment of a new lab , "Renewable Energy Systems laboratory" with the state of the art of equipment's related to the characterization of renewable energy sources, energy storage, power converters and battery testing for EV.

# Scholar Related

- Dr.R.Rengaraj conducted the Provisional Registration meeting in Online Mode for
- M. Senthil Kumaran conducted Synopsis meeting for S. Gopalakrishnan (Reg. No 1414499903) was held on 22/12/2021 through Zoom meet at 2.00 PM.
- M. Senthil Kumaran conducted Synopsis meeting for P. Shanmugapriya (Reg. No 17243997114) was held on 30/12/2021 through Zoom meet at 11.00 AM.
- M. Senthil Kumaran conducted Research Seminar for S. Gopalakrishnan (Reg. No 1414499903) was held on 14/12/2021 through Zoom meet at 2.00 PM.
- M. Senthil Kumaran conducted Research Seminar for P. Shanmugapriya (Reg. No 17243997114) was held on 5/12/2021 through Zoom meet at 2.00 PM.
- Dr.R.Deepalaxmi Asso.Prof/EEE conducted Doctoral Committee meeting to identify panel of experts for oral examination board and review of incorporation of examiners correction in thesis of her full time research scholar Ms.S.Vijayalakshmi in Department of EEE, SSN College of Engineering, Chennai on 10 th January, 2022 at 2.30 PM.

- Dr.R.Seyezhai, Prof/EEE conducted the viva-voce examination for the part-time scholar Ms.M.Shanthi on 11.01.2022 and she defended her thesis titled, "Investigation and Performance Studies of Optical Properties using Nanocomposites Photonic Crystal Fiber" at SSNCE. The viva-voce was conducted in online mode.
- Viva Voce meeting for C. Kadhiravan (Reg. No 1212399757) scholar of Dr M.Senthil Kumaran was held on 27/1/2022 through Google meet at 2.30 PM.
- Dr.R.Deepalaxmi Asso.Prof/EEE conducted viva voce examination of her full time research scholar Ms.S.Vijayalakshmi at Department of EEE, SSN College of Engineering, Chennai on 16 th February, 2022 at 12.00 PM.
- Dr.M.Balaji attended the doctoral committee meeting of Ms. M.Latha Devi, research scholar, St.Josephs College of Engineering on February 18,2022.
- Dr.R.Rengaraj conducted the Provisional Registration meeting in Online Mode for Ms.D.Shruthi ( Reg.No. 22244991454) on 21-03-2022
- Dr. M.Balaji conducted the Provisional Registration meeting in Online Mode for Ms.R.Sharanya ( Reg.No. 22234991410) on 03-03-2022
- Dr. Muthu Selvan N B conducted Provisional Registration meeting for Mr Jones Nirmal ( Reg.No. 22143991121) on 09-03-2022
- Dr. Muthu Selvan N B conducted Thesis Correction meeting for Mr Dheeban S ( Reg.No. 19143991163) on 18-03-2022
- Dr.S.Tamilselvi conducted the Provisional Registration meeting in Online Mode for Mr. Sundaravel R ( Reg.No. 22143991203) on 11-03-2022
- Dr.P.Saravanan conducted the Confirmation meeting in Online Mode for Mr. L.Ananda Padmanaban ( Reg.No. 19193991118) on 02-03-2022
- Dr R Leo conducted the Provisional Registration meeting for Thirunavukkarasu K (Reg.No. 22134991461) on 10-03-2022
- Dr. R. Seyezhai attended as an external expert member the Preliminary Design Committee for a Research Project at CVRDE, Chennai
- Dr. R. Ramaprabha, ASSP/EEE attended the following DC meetings for PhD candidates as a doctoral committee member: SVCE, Chennai on Feb 2, 2022, RMK Engineering College, Chennai on Feb 17, 2022 and VIT, Chennai Campus on Feb 24, 2022
- Dr.R.Ramaprabha attended the Pre Confirmation Seminar of Mr. Kethavath ( Reg.No. 20SPHEE005) on 25-03-2022
- Dr.R.Ramaprabha attended the Pre Confirmation Seminar of Mr Mrutyunjay Senapati ( Reg.No. 20SPHEE02) on 25-03-2022
- Dr.V.Rajini attended the DC meeting of scholar Maladhi, student of Deepa T, VIT Chennai, in virtual mode

# Other

- Dr. V. Thiyagarajan, ASSP/EEE has reviewed the papers submitted for the International Journal of Renewable Energy Research (IJRER).
- Dr. R. Ramaprabha, ASSP/EEE reviewed 2 papers for COMPEL (The International Journal for Computation and Mathematics in Electrical and Electronic Engineering), 1 paper for International Journal for Light and Electron Optics (Optik –elseveir) and 2 papers for ICMET conference proceedings (Springer)

- Dr. R.Leo , ASSP/EEE has reviewed two Elsevier journal papers during January 2022. One paper for Energy Reports, and other for Sustainable Energy Technologies and Assessments.

- N B Muthuselvan Reviewed 2 journal papers in Journal of Institution of Engineers (India) – Series A.

- M.Senthil Kumaran Developed a Database management system for the EEE Department Staff / Students using Google Script / HTML front end and Backend Google spread sheet. Activity is a approved activity by the HOD/EEE.

- Dr. R. Leo , ASSP/EEE has reviewed one paper in frontiers energy Journal and one paper in Sustainable Energy Technologies and Assessments, Elsevier journal during February 2022.

- Dr.R.Seyezhai, Prof/EEE reviewed the paper for the International journal of energy, Tech science press on 23.2.2022.

- Dr.R.Seyezhai, Prof/EEE reviewed the paper for the International conference -ICMET-2021 organized by Mechanical Department, SSN College of Engineering, Kalavakkam ON 5.2.2022.

- Dr. R. Ramaprabha, ASSP/EEE chaired a technical session on 04.02.2022 in National Conference on "Recent Trends in Power and Energy Engineering (RTPEE 2022)" conducted by Department of EEE, SSN College of Engineering during Feb 03 -04, 2022.

- Dr.V.Rajini attended the DC meeting of scholar Maladhi, student of Deepa T, VIT Chennai, in virtual mode

- Dr. V. Thiyagarajan, ASSP/EEE has reviewed the papers submitted for the International Journal of Photoenergy.

- Dr. R. Seyezhai reviewed a paper for the Tech Science Press journal on 25-03-2022

- Dr. R. Ramaprabha, ASSP/EEE acted as reviewer of ICACTA '22 1st IEEE International Conference held at Sri Krishna College of Engineering and Technology, Coimbatore during March 4-5, 2022.

- Dr. R. Ramaprabha, ASSP/EEE acted as Jury for internal Smart India Hackathon conducted on Mar 23, 2022 and evaluated 7 batches Conducted in SSN college of Engineering.

- Dr.N.B. Muthuselvan Reviewed a technical research paper in International Journal of Electrical Power and Energy Systems on 22-03-2022

- Dr.N.B. Muthuselvan Reviewed a technical research paper in Journal of The Institution of Engineers (India): Series B (IEIB) on 18-03-2022

- Dr.N.B. Muthuselvan acted as External Review Committee member for International Conference on Smart Technologies and Applications (ICSTA-2022) held on 11.03.2022 and 12.03.2022, by Ramco Institute of Technology, Rajapalayam.
- Dr.N.B. Muthuselvan Appointed as the question paper setter for the PG Semester End Examinations of Velammal Engineering College, Chennai to be held during March/April 2022 on 23-03-2022
- Dr.N.B. Muthuselvan acted as a "Session Chair" for Eighth International Conference on Electrical Energy Systems (ICEES-2022). organised on 01-03-2022 by Department of Electrical and Electronics Engineering, Sri Sivasubramaniya Nadar College of Engineering, Chennai
- Senthil kumaran acted as a session chair on 2022-03-01 at 8th International Conference on Electrical Energy Systems (ICEES2022), SSNCE, Kalavakkam
- Dr. K. Murugesan acted as a session chair on 2022-03-02 at 8th International Conference on Electrical Energy Systems (ICEES2022), SSNCE, Kalavakkam
- Dr. R. Leo has completed the review of two Elsevier journal papers on 15-03-2022, One in Journal of Cleaner Production and other in Journal of Energy Storage
- Dr. R. Leo has completed the review of two Elsevier journal papers on 15-03-2022, One in Journal of Cleaner Production and other in Journal of Energy Storage

# WHEN THE CATACLYSM STRUCK!

-Harshini J 3rd Year

Bustling streets became the place of utmost silence, customary routine of the people came to a standstill, neighborhood gossips started to fade. The only thing which was constantly lingering in the minds of each and every one of us out there was fear and worry as to what would possibly happen the next day. Out of the blue came a viral outbreak which shook the world and shattered the lives of umpteen number of people. Those of us who were hoping to see a tomorrow started waiting for that tomorrow which was uncertain. People whose lives were dependent on the daily wages started embracing poverty. The pandemic took away the lives of millions of people from around the globe and ruined the state of families everywhere.

To say that the lifestyle of people took a turn for worse wouldn't be hyperbole. With various theories being stated in various parts of the world about tracing the origins of this disaster, anxiety started having a firm grip on the people. Anyone and everyone started giving claims and their own interpretations on the epidemic which made rumors divulge. There was a paradigm shift from reality to something we never would have dared to visualize even in our wildest dreams. The term quarantine seems byzantine but not anymore. With changing lifestyles and messed up work culture, the quarantine started taking a toll on the physical as well as the mental health of people all over.

With completely disturbed schedules, most of us found it extremely difficult to adjust and adapt to the changes. Restrictions were imposed in all those activities which we considered habitual. There emerged a term called the 'New normal'. There were curbs and curtailments in what we considered freedom. Locked up in our rooms, not having face to face time with our near and dear ones and being made skeptical about the next moment for sure wasn't normal.

Amidst all this chaos, we had to hold on to our hopes real tight. Accepting the fact and coming to terms with reality was really essential. Eventually, people got accustomed this virtual way of leading life. With researchers from around the world tirelessly working in finding a cure for this malady, people were desperately pinning their hopes on the vaccine that was being developed. Going by Darwin's words, survival of the fittest brings on the need for evolution. This is what had happened, in order to sustain the viral strain started having countless mutations. Tension was looming over and people were pushed to an extent were they almost started feeling that things have started to go out of control. The only thing that kept us going and played a key role in our survival is the belief that normalcy will be restored.

There's this unstated rule of nature," Change is inevitable"!

# REGRET

*– Rajadurai 3rd Year*

 "Woulda, coulda, shoulda" – the three questions that would have crossed every one of our minds. "What should I have done differently?", "What would have happened if I participated in the game?" and so on. And what does all these questions or thoughts point to? That's right – it's regrets. We all have some regrets based on our past experiences, and if someone doesn't have one, not having a regret is a regret itself! For some of us, good things would have happened this past year and for others, they would have lost some things.

 We all relive our past moments, imagining how things would have gone if we did things differently. We create our own dream world where things are picture-perfect, an ideal world centred around us. But in reality, it is not so. We all have our flaws, we all make mistakes, and it is these faults and mistakes that define us or shape us into who we are now.

 But it's not like having regrets or thinking about the past is something that people shouldn't do. According to studies, regrets can attune our capacity to make decisions by scrutinising our actions, sharpen our performance in a variety of tasks by reflecting and revising past events and can heighten our sense of meaning and connectedness. The four core regrets are "foundation" – related to the groundwork of our lives like education, health, "boldness" – taking risks and bold actions, "moral" – by doing things that we know deep down are morally wrong and "connection" – neglecting relationships.

 But some of us spend too much of our time revisiting the past, trying to create a world that is not true. Ultimately, we miss up on our current life – we fail to live our present moments, fail to connect with people around us and mainly we fail to live our life. And this builds up our regrets and this becomes a never-ending cycling.

 Ultimately, we should embrace not reject regret and harness its power to bring about change and growth. Regrets can help us to understand ourselves as well as the world around us and to make a better version of ourselves. But at the same time, too much dwelling on the past is also not good; as Master Oogway said, "Yesterday is history, tomorrow is a mystery and today is a gift"

# LIFE IS NOT A COMPETITION

*– Kovi Sai Sandeep*

Be yourself, probably that's the best thing you could do!

There is always going to be someone better than you, but that shouldn't make you feel you are of lesser worth or inferior to anyone. Having said that, being better at something should not lead you to a superiority complex either. The temperament one should have been to share and learn. Helping those seeking assistance when you are in a fix should be one's attitude.

If someone excels at something, there should be the willingness to appreciate that person and learn something from him/her rather than being envious of him/her. Your competition should be with yourself and not with anyone else. Compare your present self, with your past and look for any betterment in you.

If you are becoming better at something, improved upon a skill or picked a new one, most probably you are on the right part. But if this isn't the case, probably it's high time to mend your ways. Certainly, the ones ahead of you in the race can serve as a benchmark for you, something where you wish to be. Put in the efforts, strive hard, and achieve whatever you wish to achieve.

Have a goal to learn at least one new thing every day! Try to imbibe good things from the people around you. There is always something to learn from people around you. Another key thing is to remain focused and chase your goal relentlessly come whatsoever. Life is full of hurdles, big or small, easy or difficult, but there will always be one. It's your firm determination and passion that will help you get past them.

I would end by quoting one of the most inspiring quotes of all time, said by Martin Luther King Jr,

*"If you can't fly, then run. If you can't run, then walk. If you can't walk, then crawl. But whatever you do, you have to keep moving forward."*

# A CORNER TO PONDER- 1

*- Pranav A*
*11 year*

Please keep in mind that I am no expert in this field and my views on this may not align with yours. But to me, the existence of this very article in our newsletter satisfies my drive.

I've been wanting to write this article for a long, long time now. Ironically, my head couldn't spout out one proper word for most of the time. One could argue that a proper drive was the lacking factor. Nevertheless, here it is, and I sincerely hope all of you enjoy breezing through.

The main motivation for this article is to give that small push to whoever might read it at whatever point in their life. To tell them that they can still do it. As long as there is a ball in the field and people in the stadium, the players must continue the match. Or in this case, 'a' player-you. People generally stop moving forward at some point in their lives and start moving in circles. Their entire lives are contained within one smooth curve which continues day after day, year after year until it leads to mental drain-out.

For most of you that guessed correctly, yes, let's talk about motivation today. Let's skip the definitions and introductions. Honestly, none of us here are new to this word.

Let's start with a couple of stories.
Most of us have heard of the story of King Robert the Bruce. A quick recap: King Robert was the king of Scotland around the 1300s. King Robert led the Scottish armies against the English many times leading only to defeat. Upon one such defeat, Robert was forced to hide in a cave. In that cave, he saw a small spider trying to weave its web on the roof of the cave. The spider lost its grip often and fell down repeatedly. Each time, the spider climbed the wall back up only to fall. After a long time, the spider succeeded.

King Robert was driven by this act and led his armies one more time against the English to win in the battle of Bannockburn.
I'd like to add one more story at this point.

This story is set in a circus environment. Once, a man visiting the circus saw an elephant tied to the pole with a thin rope. The man was startled. The elephants could easily break through with a small tug at the rope, but don't do so.

He succumbs to his curiosity and asks the ringmaster why the elephants don't run away. The ringmaster replies, "When they were young, we used to tie them with the same rope. The babies would then tug at the rope to no avail and give up, thinking that they cannot break the chain even when they're grown."

So why did I bring up these stories out of context?
In the first story, we see the spider never give up. It fell repeatedly from great heights but rose again and again. In the second story, a mighty elephant, one of the biggest and strongest creatures, is afraid to break out of a simple rope just because it is conditioned that way.

Most people you meet in the journey of your life will try to mold you into a shell, a hindrance to your growth. You are forced to stay where you are, without any scope of progress. This is where the light shines through. You don't have to stay submissive. Destroy the cocoon holding you back and let the world see your beautiful colors. Pave your path with stairs in all directions. Granted, it will be very very exhausting but hey! at least you know you're going upwards always.

So if something needs to be done, you are the ONLY person who is capable of doing it. So why not just do it, to the best of your ability, investing all your sweat and blood. And Ah! Trust me, you won't be disappointed with the result! The feeling you get when the task/object that you nurture finally bears fruit is comparable to no other.

Let me add a famous quote which goes like this: "If people say you can't do something, do it twice".

With this, I end my little speech. I think I made an ounce of sense. Anyway, farewell until the next edition.

# INTELLECTUAL HUMILITY

## -Maleeha Bhat II YEAR
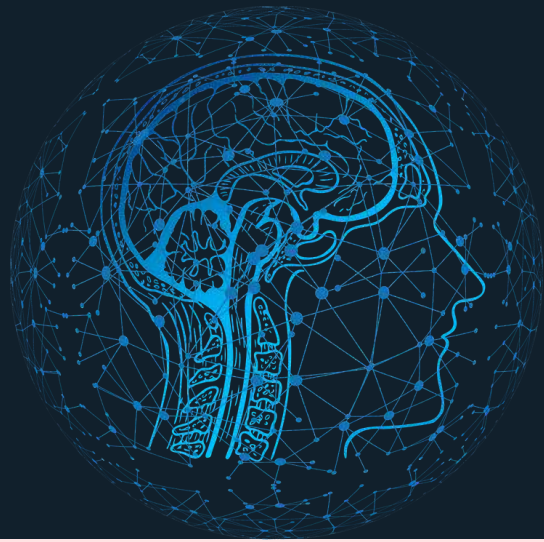
Humans with their limited selves, possess a limited perception of a seemingly numberless stimuli being bombarded with at any given point in space and time. Our relatively complex brains finely filter, process and project the information acquired from its environment. Being aware of our inherent limitations at comprehending ourselves and our environment gives rise to the noble virtue of Intellectual Humility.
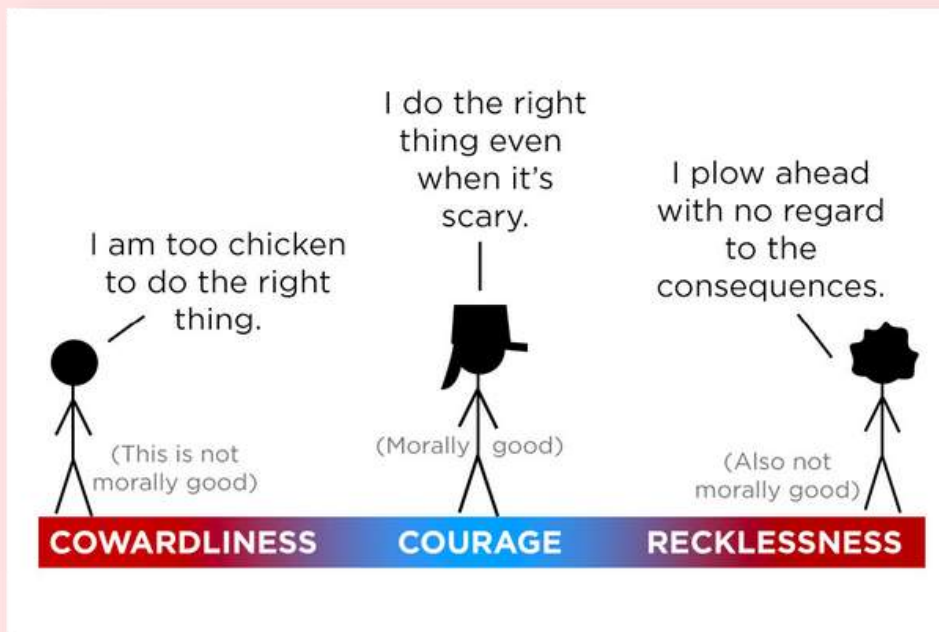


An intellectually humble person possesses a temper of continual search, learning and unlearning. It is the realization of separation of self and information at hand. One is not what one knows and what one knows is not what one is. We are fallible creatures acutely subjected to our subjectivity.

It is healthy to say that we are ever-changing dynamic beings. Thus Intellectual Humility is in congruence with our supreme nature which allows us to afford an escape from dogmatism, intolerance, intellectual rigidity, friction against change in general and ideological change in particular by enabling one to operate on probability and healthy uncertainty. It finely equips one with the courage to separate their ideas and beliefs from themselves and put them to crucial analysis. Operating on the premise of inevitable human fallibility, one expands the horizon of personal experience. He gradually builds up the perseverance required for a correct Intellectual attitude.

Intellectual virtues are intimately bound with social virtues. Our interconnected, complex and increasingly diversifying world is in need of this noble virtue more than ever. Absence of intellectual Humility leads to mental stagnation. And mentally stagnated population can be easily persuaded by wicked propaganda. And it's highly unlikely for them to dive deep into real issues and find arguments of reason and not of mere prejudice.

Thus a consent can be manufactured in favour of the influential who control the information being bombarded at the general public. Such dynamics creates a mirage of free choice when there is none in essence. It is the realisation of error in one's mental make-up and the courage to disown possible ideas once held dearly and to own the ideas once viewed with possible horror that breeds the courage to put up with possibly peculiar and opposing ideas of fellow beings.
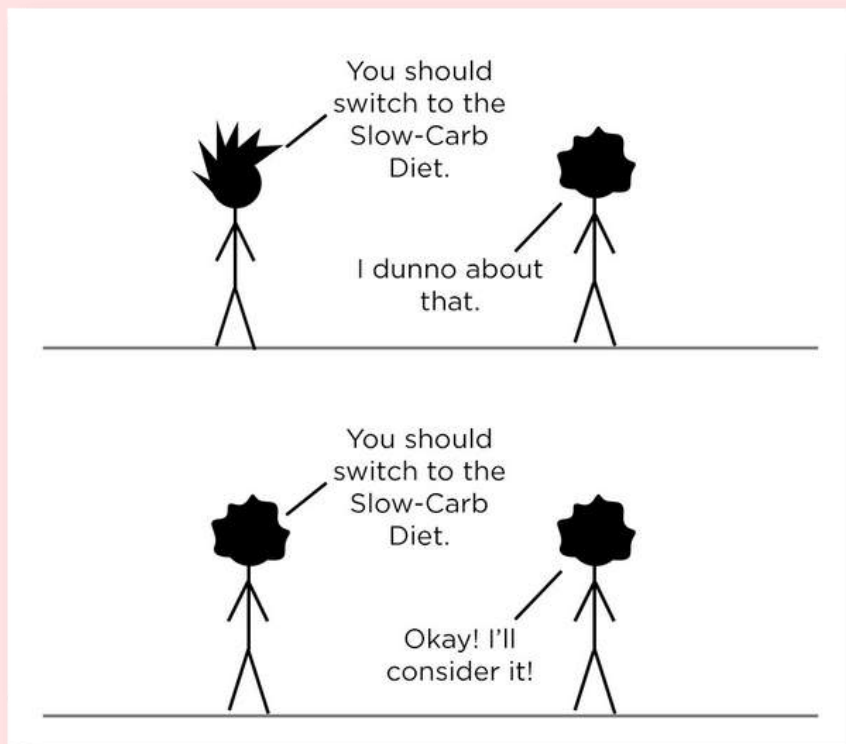


The supreme endeavour of human existence is the search for Truth. And on every step of our supreme endeavour we add to our garland of glitches and flaws in the hope of assimilation with the truth.

As Bertrand Russell said;
"Truth is a shining goddess , always veiled, always distant, never wholly approachable, but worthy of all the devotion of which human spirit is capable"

# Picturesque!



We are extremely happy to announce that there will be a photography column for REDEEEM from this edition onwards, For the debut here's what we have! Featuring Picturesque :P

-Adhishankar N   3rd YEAR



-Jazlyn C   3rd YEAR

# Picturesque!



Sathyabharathi K
III year
EEE

# Pitch a poem!

## Around You See

Around you see,
No fire you find.
Hear them not,
Screams of silence.
Barren lanes, covered in ashes,
Disguised as snow.
Hide the young blood,
Frozen and dead.

-Hemasai
2nd year

# Blue moon

A flower that blossoms,
Once in a Blue moon,
An Anti-antique door,
Separating the garden,
And there, the flower hides.

All it takes is Gallantry,
To cross the door step,
But watch out!
Await there pines and predators.
Get a sword!

Cut down the pines,
The poisonous thorns.
Kill each predator,
Every demon at stray.

And you'll realize,
Sweet fragrances of the young blossom,
Could and would suppress,
The pungency of blood shed.


-Hemasai
2nd year

# Ecstasy of Ecstasies

Not all the ecstasies would be ecstasy of ecstasies!

Not all the ecstasies would be magic as this is

Nonetheless, this is a unique ecstasy one desires to experience while deny in disguise!

But one has to believe this ecstasy would let one see things as to one's

Willing to , with courage, effort and kindness!

And yes it's a bit of magic but not merely!

-Sathyapriyaa
3rd year

# PLACEMENT EXPERIENCE

Name: Aarthi.S
Company Name: L&T Constructions
Role: Graduate Engineer Trainee (GET)
Category: Dream
Type: Core
Description: FTE
CTC: 6 LPA
Mail-Id: aarthi183001001@eee.ssn.edu.in
Contact No: 6383639408

## Online Test Experience

The test was proctored. The test duration was around 1.5 hours. The test had MCQ based questions. No. of questions were more but time was less. Under MCQ based questions, we were tested on different topics like Reasoning, Maths, Logical and majorly on electrical related concepts. MCQ questions were easy-medium difficulty level , only time management was required.

## Interview Experience

14 candidates were shortlisted from different departments by the company based on our skill and performance in the online test. I had only 1 round of interview (Technical and HR combined). There were 3 interviewers who took my interview. The interview happened for around 45 minutes in Microsoft Teams. They asked me to introduce myself, and then to explain my project. They asked some questions from my project and they provided some suggestions on my project too. They asked questions from transmission and distribution systems and power systems. They gave a general topic, asked me to prepare for a minute on that topic and to speak for three minutes. Finally they asked me some HR questions.

# PLACEMENT EXPERIENCE

**Name:** Madhusudan Saranathan
**Role:** Graduate Engineer Trainee - Electrical
**Category:** Dream (Core)
**Type:** Core – Electrical Engineering
**Description:** FTE
**CTC:** 4.8 LPA
**Mail-ID:** madhusudan183001048@eee.ssn.edu.in
**Contact No:** 8637433373

*The placement process for WOOD was held OFFLINE at the CDC.*
*The recruitment process with Wood started with a pre-placement talk briefing the objectives of the company and details on the role that is being offered by them.*

## STAGE 1 – APTITUDE AND TECHNICAL TEST :

*An aptitude test was conducted for 30 minutes which consisted of questions testing out quantitative aptitude, verbal aptitude and logical reasoning. The difficulty level was moderate and the quants questions required time to solve.*

*Post aptitude test, we had our technical assessment which comprised of MCQ and descriptive type questions. Questions were from Transmission & Distribution (skin effect, Ferranti effect, proximity effect, cables – construction/grading) , Protection of Power systems [Circuit Breaker (types of breakers, breaker time), Evaluation of short circuit current], Transformers (performance parameters), Induction machine and few questions pertaining to simulation softwares (EMTP/PSS/PowerFactory). In descriptive questions we had to :*

- *Draw a layout of a transformer and label any five parts of it. (It'd be better if you could label everything you know and not restrict to the given number)*

- *Draw a house plan with optimal lighting placement given dimensions of the house. The question also asked us to pictorially depict at least one appliance in the room. (This question was asked to test us on how we practically apply a few concepts we learn, in household and how observant we are. They don't go in deep while evaluating)*

# PLACEMENT EXPERIENCE

## STAGE 2 – TECHNICAL & HR INTERVIEW

*The interviewer was Wood's HoD-Electrical division. He was kind and soft spoken. The whole interview was more of a technical discussion on various electrical concepts. Initially, I was asked to reason out my answers for a few questions that were asked in the technical test and was given a chance to ponder upon questions I got wrong in the test. I was also asked questions based on my projects and achievements that were listed in my resume. The interview went for about 45 to 50 mins.*

*My HR interview happened simultaneously where I was asked questions about my family. Questions on why I didn't write GATE/ pursue masters abroad came up during the interview. The whole process takes a lot of time and requires patience (results came out on the same day, so we had to wait until then). A solid grasp on basic "electrical" concepts and being cool-headed would be helpful in acing the placement process with WOOD.*

# PLACEMENT EXPERIENCE

**Name: Parithi R**
**Company Name: Microchip Technologies**
**Role: Engineer I - Software (UNG Applications)**
**Category: Super Dream**
**Type: Core**
**Description: Intern + FTE**
**CTC: 10.55 LPA**
**Mail-Id: parithi183001062@eee.ssn.edu.in**
**Contact No: 9092437531**

## Online Test Experience:

The First level of screening is an Online test. The test was conducted on HackerEarth platform and the test went on for one and half hours. There were questions from aptitude, core and programming. In the aptitude section, most of the questions are from quantitative. In the core stream section, the questions are from subjects like microcontroller, embedded systems, operating system and basic electronics. In the programming section, pseudo code and C programming questions were asked. Altogether the test was of easy to moderate level difficulty.

## Interview Experience - Round 1 - Technical Interview I:

This Technical Interview was conducted via Microsoft Teams and it went on for about one hour. Since I had an Intern experience as a "Junior Embedded System Engineer" at a startup in IITMRP, a lot of questions were asked regarding my work there. And they also asked about my projects. Apart from these, I was asked questions from embedded systems and basic electronics. They also pulled some questions from the online test and I was asked why I arrived with those answers. Altogether it was of moderate difficulty.

# PLACEMENT EXPERIENCE

## Interview Experience -Round 2 - Technical Interview II:

*In this round, I was given a topic "SPI block on microcontroller of my comfort" (about 3-4 days before the Interview date) on which I had to do a presentation. I chose PIC16F877A as my controller of choice. I prepared my presentation and prepared well on that topic. This Technical Interview was conducted via Microsoft Teams and it went on for about one and a quarter hours. At the start, the interview panel asked about myself and they did ask about my Intern and projects. Once I started my presentation, I was asked a lot of questions regarding my topic. All the questions were about my topic and pretty easy. After my presentation, they asked some basic questions from the embedded system.*

## Interview Experience -Round 3 - HR Interview:

*The HR Interview was conducted via Microsoft Teams and it went on for half an hour. All the questions were aimed at knowing about one's willingness to work, personal life, and our character. Most of the basic HR questions were asked. Overall the HR Interview was pretty easy to clear.*

# *FIVE*
# ஸ்டார்

தொடர்கதை
தினேஷ் ப,
இளநிலை மூன்றாம் ஆண்டு, மின் மற்றும் மின்னணு பொறியியல் பிரிவு.

குருநாதன் சார் என்றாலே வகுப்பிலுள்ள எல்லோர்க்கும் ஒருவித பயம் இருக்கத்தான் செய்தது. அவரது கம்பீரக்குரலே ஒருவகை காரணமாக இருந்திருக்கலாம். அன்றைய தினத்தின் முதல் வகுப்பே அவருடையதுதான். முதல் பெஞ்சு மாணவர்கள் குறுந்தேர்வுக்குப் படித்துக் கொண்டிருக்க கடைசி பெஞ்சு மாணவர்கள் மட்டும் நிகழ்காலத்தை லயித்து கொண்டிருந்தனர்.

'எங்கேயும் எப்போதும்' பாடலை அனுபவித்து பாடிக் கொண்டிருந்தனர் கடைசி பெஞ்சில் இருந்தவர்கள். இடையில் உள்ள வரியை வருண் ரசித்து பாட, ஆதி மற்றும் சந்தரு பெஞ்சில் தாளம் போட, மற்றவர்கள் தத்தம் வேலையில் மூழ்கி இருந்தனர்.

இப்பாடலை தொடர்ந்து அடுத்த பாடலைப் பாட ஆதியின் முறை வந்தது. 'மழை வர போகுதே' பாடலை யாரையோ மனதில் கொண்டு பாடுவதைப் போல் கண்களை மூடி மணப்படமாக பாடிக் கொண்டிருந்தவன்,

'கண்ணை கட்டி விட்டால் கூட பட்டாம்பூச்சி பூவை தேடும் மழை என்றால் மண்ணை தானே வந்து சேரும். எந்த பக்கம் நிற்கின்றாயோ அந்த பக்கம் கண்கள் போகும் முன்னும் பின்னும் நீ நடந்தால் ஊஞ்சல் ஆடும்' என்ற வரிகளைப் பாடியவாறே கண்களைத் திறப்பதற்கும், நித்யா வகுப்பினுள் நுழைவதற்கும் சரியாக இருந்தது.

அதுவரை யாரையும் தொந்தரவு செய்யாமல் பாடிக் கொண்டிருந்த ஆதி, பாடுவதை நிறுத்தினான். அது நித்யாவைப் பார்த்ததால் மட்டுமல்ல, அவளிடமிருந்த சிறு மாறுதல் எல்லோரையுமே ஒரு நொடி அவளைக் காணச் செய்தது. நித்யா அன்றையதினம் சீருடையில்லாமல் புத்தாடை அணிந்திருந்தாள். அளவுக்கதிகமாய் அன்று அவள் அணிந்திருந்த புன்னகையும் அளவாய் சூடியிருந்த மல்லிகையும் சந்தேகமில்லாமல் எல்லோருக்கும் உணர்த்தியது அன்று அவள் பிறந்தநாள் என்று.

நித்யாவை பார்த்துவிட்டு திரும்புகையில் வருணும் சந்தரும் ஆதியையே பார்த்துக் கொண்டிருந்தனர். அதையெல்லாம் ஆதி பெரிதாக கண்டுகொள்ளவில்லை . அவன் கண்ட காட்சியின் விளைவால் மனமார மகிழ்ந்திருந்தான்.

இச்சமயத்தில் வகுப்பினுள் நுழைந்த தமிழய்யா குருநாதன், "என்ன நித்யா! புது ட்ரெஸ்? இன்னிக்கு பிறந்தநாளா? அப்போ சரியான செய்தியோடதான் வந்திருக்கேன். பிறந்தநாள் கொண்டாடிடலாமா?" எனப் புதிர் போட்டார். நித்யாவோ எதுவும் புரியாமல், "என்ன செய்தி?" என்பது போல் முழித்தாள். "நீ எனக்கு தெரியாம ஒரு வேலை பாத்திருக்க..! அது என்னனு நீ சொல்றியா? இல்ல நானே சொல்லட்டுமா?" என்றார் சூசகமாக.

"நான் எதும் தப்பு செய்யல ஐயா" என்றாள் அதே முழியோடு. இன்னும் கொஞ்சம்விட்டால் பிறந்தநாள் அதுவுமாக அழுதேவிடுவாள் போலிருந்தது

"சரி, நீ சொல்ல மாட்ட போல! அப்போ நானே சொல்லிடறேன்" எனக் கூறியவாறே, தன் கையோடு எடுத்து வந்த சிறுவர் மலர் வார இதழை விரித்து வாசிக்கத் தொடங்கினார்.

அவள் எழுதிய கவிதையை வாசித்து முடிக்கையில் வகுப்பு மொத்தமும் கரவொலியால் நிறைந்தது. நித்யாவோ குழம்பிய முகத்தோடு கஷ்டப்பட்டுப் புன்னகைத்தாள். தான் எழுதிய கவிதை, வார இதழில் பிரசுரிக்கப்பட்டிருந்தது பெருமையாகதான் இருந்தது. இன்னும் சொல்லப்போனால் அவளது கவிதையின் மதிப்பே அப்போது தான் அவளுக்கே தெரிந்தது. ஆனால் அதை அவள் அனுப்பாமல் எப்படி பிரசுரமானது என்பது தான் அவள் குழப்பம்.

"நீ கவிதையெல்லாம் எழுதுவன்னு இப்போதான் தெரியும். ரொம்ப நல்லா இருந்தது. வாழ்த்துகள். சரி பிறந்த நாளுக்கு சாக்லேட் எதுவும் இல்லையா?" என்றார் தமிழய்யா.

"எடுத்துட்டு வந்திருக்கேன் ஐயா" என்றபடி ப்ளாஸ்டிக் டப்பாவிலிருந்த மில்கிபார் சாக்லேட்டுகளை நீட்டியவள், தொடர்ந்து வகுப்பிலிருந்த அனைவருக்கும் வழங்கினாள். ஒவ்வொருவரும் டப்பாவினுள் கையைவிட்டு சாக்லேட்டை எடுத்தவாறே நித்யாவிற்கு பிறந்தநாள் வாழ்த்துக்களைக் கூறினர்.

ஆதிக்கோ நித்யா கடைசி பெஞ்சை நெருங்க நெருங்க வியர்த்துக் கொட்டியது. இதயம் படபடத்தது, அதன் சத்தம் ஸ்டெத்தஸ்கோப் இல்லாமலே அவன் காது வரை ஒலித்தது. வயிற்றில் பட்டாம்பூச்சி பறப்பது போலிருந்தது. மிகமுக்கியமாக அந்த அசௌகரியங்களெல்லாம் அவனுக்குப் பிடித்திருந்தது.

இறுதியாக கடைசி பெஞ்சிற்கும் வந்து சாக்லேட்டை நீட்டியவளிடம், சந்தரு , "வெறும் சாக்லேட் தானா? ட்ரீட் இல்லையா" என்றவாறு சாக்லேட்டைக் கையில் அள்ளவும், அவன் தலையில் வருண் ஓங்கி அடித்துவிட்டு, தன் பங்கிற்கு நித்யாவை வாழ்த்தினான்.

தன் இடத்தில் சென்றமர்ந்து டப்பாவைக் கவனித்த நித்யா, அதிலிருந்த கசங்கிய தாளை எடுத்து பிரித்தாள். அவள் முகத்தில் அவளனுமதியில்லாமலே ஒரு கணம் புன்னகை மலர்ந்தது. அந்தக் கசங்கிய தாள், நித்யாவின் தாள்தான். தமிழய்யா வார இதழில் வந்திருப்பதாக வாசித்த கவிதையை என்றோ ஒருநாள் கிருக்கிப் பின் அதைக் கசக்கி கீழே எறிந்தது நியாபகம் வந்தது. அவளது கவிதைக்குக் கீழே "கசங்கியும் கசங்காத கவிதையின்
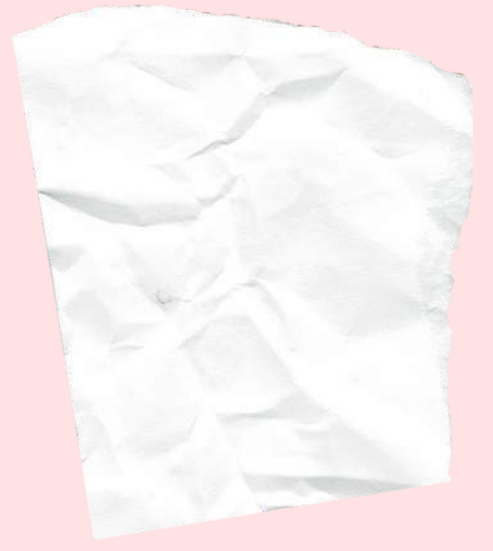
கவிஞருக்குப் பிறந்தநாள் வாழ்த்துகள்" என்றெழுதியிருந்தது. சுற்றுமுற்றுப் பார்த்தாள். தன் கவிதைக்கு அங்கீகாரம் கிடைக்கச் செய்தது யாராக இருக்கும் என்ற ஆவலில். அதுவும் இது போன்றதொரு பிறந்தநாள் பரிசை அவள் எதிர்பார்த்திருக்கவுமில்லை.

அவர்களைக் கடந்து புன்னகையுடன் கடைசியாக ஆதியிடம் சாக்லேட் டப்பாவை நீட்டினாள். ஆதியோ கஷ்டப்பட்டு தன் படபடப்பை தனக்குள் மறைத்துக் கொண்டு தன் வாழ்த்தைக் கூறியவாறு டப்பாவினுள் கை விட்டான். அப்போது அவனருகில் ஒரு ஃபைவ் ஸ்டார் பாரினை வைத்தாள். நித்யா அங்கிருந்து நகன்றபின், புத்துணர்ச்சியுடன் சிரித்தவாறே சாக்லேட்டைப் பிரித்து வாயில் போட்டான். அந்த சாக்லேட் கவரை மடித்து யாருக்கும் தெரியாமல் தன் பர்ஸில் வைத்துக் கொண்டான். ஆதியின் புத்துணர்ச்சிக்கு நித்யாவிடமிருந்து பெற்ற சாக்லேட் மட்டும் காரணமல்ல. சாக்லேட்டை கையிலெடுக்கும் நொடிப் பொழுதில் தன் கையிலிருந்த கசங்கிய தாளை டப்பாவினுள் போட்டிருந்தான்.

தமிழய்யா தொடர்ந்து பேசிக்கொண்டிருந்தார், அவை எதுவுமே நித்யாவின் காதில் விழவில்லை, சிந்தனை இன்னும் அந்த நல்விரும்பியைத் தான் தேடிக் கொண்டிருந்தது.

அதற்குள் மணியும் அடித்தது. இரண்டாவது பீரியட் *PET* பீரியட் என்பதால் எல்லோரும் கிளம்பி மைதானத்திற்கு சென்றனர். *PET* பீரியட் முடிந்து வகுப்பினுள் நுழைந்த ஆதியின் பெஞ்சில் "நன்றி" என்று எழுதப்பட்ட காகிதம் வைக்கப்பட்டிருந்தது. தாளைப் பார்த்ததும் ஆதியின் கண்கள் நித்யாவை நோக்கின. நித்யாவின் கண்களோ ஏற்கனவே ஆதியைத்தான் நோக்கிக் கொண்டிருந்தன

<div align="right">-துளிரும்</div>

# SMART INDIA HACKATHON '22 FT. EEE DEPT!!

*-Harshavardhini Madiazhagan II YEAR*

## Only practical work and experience lead the world to maturity!

With a hard toiling professional course, sinking through its roots of academic knowledge along with the spine of theoretical learning that's etched its way within us, What is left for a student to do? Now that's one question left for time to answer! But guess what, we've also got some stomal paves to help make our actions more in tune with the rather fast speeding memory! The first of many such events, after a long pandemic break was the Smart India Hackathon-2022!!

About 90 teams had registered for the prelims i.e., the internal hackathon. A congratulatory sum of 14 teams among the 90, were from EEE. As the registrations were done, the students were left with just 3 weeks in hand to come up with a prototype design. The participants had a nick of time trying to squeeze out every last bit of creativity they had in them. However, it all worked wonders as the day of the hackathon was far more than just a competitive experience for every participant. If one might think that all didn't go well for EEE Dept when they see the results board, then this article might just change your mind as it did mine while I met and spoke with my fellow participants...

Team- NETWORKED, from the third year, who's problem statement was to come up with wearable sensors for sports biomechanics applications, say their team's main focus and goal was to take efforts in order to find solutions to a real time problem and not in a slightest way did the result bother them. They found the process refreshing and challenging after getting to spend about a year and a half in online lectures. They were excited to have come up with a splendid response to their problem statement and have also asserted that they would continue to work on it religiously!

# "You cannot discover new oceans unless you have the courage to lose sight of the shore

The second-year teams, who had experienced their first university level competition, are all on cloud nine! The Team- Republic of Neoterics being the robotics enthusiasts they are, found ways to build robotic drones that could act as patrolling eyes, having a watch over the deserted and overly crowded areas that question women safety! They feel that hackathons like this are a great way to express their work, something they adore to do and would love to have more of similar inter-department hackathons within the college to increase the student's readiness and improve their practical skills. It's what you call a genuine interest I suppose, how enticing! They had also stressed on what I would call a topic, that's the most in need of discussion in the tech-community,

"The importance of hardware related projects and the need to make it on par with the software ones!"

Its to be noted that only a few teams out of the selected 15 teams are from the hardware domain, a fact that highlights the need for more students to start working and exploring on this domain. There's also a tall standing responsibility on the teachers to make the students aware and encourage them to pour in with their ideas. Together the need to address the growth of hardware projects and experiments from under- graduate level is a task, a much serious one that we all need to undertake!

The tech miners, on the other hand, came up with a working solution to prevent coal miner accidents by introducing special sensors in their work clothing to transmit information alerting the manager, and thus preventing a possible accident. They found the event to be of great fun and learning. Being second year students, they could learn first-hand what they had and what they lacked! They were spirited enough to say "We wanted to be in parity with the senior participants and would strive to work to improve our performance, as intimidation is never the question when you value self-worth!"

# TRIUMPH



## MUSIC:

*Anirudh Sethuraman from third year has participated and emerged the winner in the following competitions.*



1)IIM BANGALORE - VOICE OF UNMAAD - FIRST PLACE
2)NIT TRICHY - FESTEMBER - FIRST PLACE
3)IIM KAASHIPUR - GOLDEN MIC - FIRST PLACE
4) IIM UDAIPUR - SUR SANGRAM - SECOND PLACE

## CHESS:

*Thaga Sheriff from II year has emerged winner in the ALL INDIA INTER ZONAL INTER UNIVERSITY CHESS TOURNAMENT conducted by SRM University.*

# Words of Wisdom

Alumni Column By Adithya Selvaprithiviraj
Software Engineer at Microsoft
2016 batch

## I don't know what I like and I don't know what to do

*Every person gets their individuality from the things they like and don't like, which is heavily influenced by the social setting they are part of. While it is very easy for us to tell what we want to be during childhood, many of us find it hard to tell what we would like to be after college degree. If you ever felt that you haven't figured out your life or passion, trust me you are not alone. I have experienced this thought multiple times and I am sure that it will repeat for me even in the future. In this article, I will explain my understanding of why we get this thought, what we can do to overcome it, and my current perspective.*

## When the reality hits

*"Everyone falls down. Getting up is how you learn to walk."*
*– Walt Disney*

*As kids, we aspire to take different professions based on what our family says or from what is shown on television. There aren't many factors of discouragement during this phase, and we live in a safe La-La land shielded by our support system. However, things get tricky as we grow up and when we are put in a position to choose what we want. I call this phase tricky because, by this time, you will have a pile of encouragement, discouragement, self-doubt, and everything else that can confuse you from making a choice. A hidden complex factor called "the Market" becomes more predominant during this phase and it has the strongest influences of all. For most people, the market dictates what they should do. For example, someone who scored a very high percentile is forcefully advised to pursue a course with the most job opportunities or a high potential salary. We can trust our support system to large extent in guiding us to make a decision, but the devil is usually in the details than the choice itself. So, we could be unhappy with the choice that was made, and we start to introspect if we are really doing what we like. We become unhappy when we fail to get the desired results in terms of marks, prizes, or some kind of social acknowledgment and when we don't know what to do next.*

# Personal experience

I chose to join engineering with lots of passion, but I failed to secure a passing grade in one of the courses in the 3rd semester of my bachelor's degree. I was in total disbelief for a few weeks, and I did not know what to do next. After a while, I decided to just stay calm, understand the system and find out what I was doing wrong. Simple changes to the kind of reference material I was using to study for exams helped me survive.

## Key takeaway

When reality hits, don't run away from it. Understand how the system works and take basic steps to stay afloat.

# Fear of failing and social acceptance

*"Success is stumbling from failure to failure with no loss of enthusiasm."*
*– Winston Churchill*

Fear of failing is a major factor that comes into play when we are making a choice. Unless we choose to try something, it is hard for us to conclude whether we like it or not. We get into a mode of self-doubt, trying to play it safe, and we procrastinate to take decisions unless it is absolutely necessary. This creates a negative feedback loop of failing without even trying and reduces our productivity to a large extent. Eventually, we end up spending all our time targeting short-term pleasures. College days are the golden period for us to experiment as we tend to have a lot of energy and ideas to explore. Distractions, fear, and social acceptance are key reasons that prevent us from experimenting in the fields we like.

We, humans, are social beings and we cannot escape from society. As we make progress, the expectation on us from society increases, and we will be constantly judged, encouraged, and discouraged, no matter whatever we chose to do. However, the core goal of society is to eventually make us succeed socially. So, as far as we are successful with what we do, we can avoid most social pressure. I emphasize a lot on experimenting, as it increases the chances of succeeding and even in the case of failures, the skills and knowledge that we gain out of these experiments can help us succeed. We should be honest with ourselves, be open to experimenting in the areas outside of our field of study, if possible even outside of our comfort zone, and learn generic skills out of those experiments.

# Personal experience

Moving on from the failure, In my 4th semester, I decided to experiment a lot in a topic that closely aligned with my interest and signed myself up for several competitions and projects. I failed in most of the things that I tried initially and learning from these failures, I succeeded in several competitions and projects later on. As a bonus, with whatever skills I gained through these experiments, I got an internship during my 3rd year and I landed my first full-time job soon after I graduated.

# Key takeaway

The more you try, the better are the chances for you to succeed. Failure is as good as success, learn to retrospect and not to repeat the mistakes.

# Process over results

*I have always believed that process is more important than results.*
*– MS Dhoni*

From my experience, what I have learned is that, instead of tying what we like to a generic field or a profession, we must tie it to simple actions based on our experiences. For example, I like to collaborate with people, I like to solve logical problems and I like to automate things. I found out that these actions are predominant in the field of software engineering, Hence I chose to become a software engineer. This approach has helped me to derive happiness out of the process as I perform and as far as I do the process correctly to my best, good results follow automatically. So, what I recommend is to retrospect on the actions that gives us happiness while we experiment different things and choose a profession where many of the processes that we like are part of the day-to-day work. Let us all strive to create a better world for ourselves and others by doing the things we love. Good luck and cheers.

# PLACEMENT REPORT

| Register Number | Name | Company Placed | Category | Type | CTC (in LPA) | Job Description |
|---|---|---|---|---|---|---|
| 183001054 | A Muthiah | Latentview Analytics | Dream | IT | 6.5 | FTE |
| 183001110 | A Swetha | Cognizant-elevate | Regular | IT | 4 | FTE |
| 183001002 | Abarna.A | Mr.Cooper | Dream | IT | 6.00 | Intern+FTE |
| 183001003 | Abhinaya R | CTS | Regular | IT | 4.5 | Intern+FTE |
| 183001004 | Abitha R | Cognizant | Regular | IT | 4 | Intern+FTE |
| 183001006 | Aishwarya Srinivasan | Deloitte | Dream | IT | 7.6 | FTE |
| 183001007 | Akalya A | Cognizant | Regular | IT | 4 | Intern+FTE |
| 183001011 | Anand Kumar M | Wipro | Regular | IT | 3.5 | FTE |
| 183001012 | Anusha Vasanthi V | Cognizant | Regular | IT | 4 | Intern+FTE |
| 183001013 | Arjun.S | Comcast | Dream | IT | 6 | Intern+FTE |
| 183001015 | Avinash.k | MBit wireless | Dream | Core | 7.5 | FTE |
| 183001016 | BALAJI R | MBIT WIRELESS | Dream | Core | 5 | FTE |
| 183001017 | BARATHKUMAR M | Presidio | Dream | IT | 6.1 | FTE |
| 183001018 | Cathirvel Balamurugan | Amadeus Software Labs | Super Dream | IT | 10.82 | Intern+FTE |
| 183001019 | Deekshitha S | Citibank | Super Dream | IT | 13.81 | FTE |
| 183001021 | Dhanush Gajaraj | Tazapay | Dream | IT | 6.6 | Intern+FTE |
| 183001022 | Dharani T | O9 solutions | Dream | IT | 9.11 | FTE |
| 183001023 | Dhivya devi B | O9 solutions | Dream | IT | 9.11 | FTE |
| 183001024 | Dhivyadharshini S | Cognizant | Dream | IT | 6.75 | Intern+FTE |
| 183001026 | DINESHKUMAR.S | O9 Solutions | Dream | Management | 9.11 | FTE |
| 183001027 | Divya Bharathi.S | Hitachi Energy | Dream | Core | 6 | FTE |
| a183001028 | Divyashree D | Optum | Super Dream | IT | 13.81 | FTE |
| 183001034 | Hari prasath.S | McKinsey | Super Dream | Management | 10 | Intern+FTE |
| 183001032 | Harini C | ComCast | Dream | Core | 6 | Intern+FTE |
| 183001037 | Jayapriya S | Cognizant (Gen C) | Regular | IT | 4 | Intern+FTE |
| 183001039 | Jeevitha D | Optum | Super Dream | IT | 13.4 | FTE |

# PLACEMENT REPORT

| Register Number | Name | Company Placed | Category | Type | CTC (in LPA) | Job Description |
|---|---|---|---|---|---|---|
| 183001040 | Kaavyaa Shri S | Comcast | Dream | Core | 6 | Intern+FTE |
| 183001041 | Kabilan C | Mphasis Limited | Dream | IT | 6 | FTE |
| 183001042 | Keerthi Chidhamparanathan | Accenture | Dream | IT | 9 | FTE |
| 183001043 | Koupendra D B | Salesforce | Super Dream | IT | 11.9 | Intern+FTE |
| 183001044 | Krithika R | Presidio | Dream | IT | 6.1 | Intern+FTE |
| 183001045 | LOGESHWARA N S | Mphasis | Dream | IT | 6 | FTE |
| 183001047 | Madhuri Shakya | Trane technologies | Dream | Core | 6 | Intern+FTE |
| 183001047 | Madhuri Shakya | Trane technologies | Dream | Core | 6 | Intern+FTE |
| 183001048 | Madhusudan Saranathan | Wood PLC | Dream | Core | 4.8 | FTE |
| 183001050 | Medarametla Venkata Sai Kiran | O9 Solutions | Dream | Management | 9.11 | FTE |
| 183001051 | Mohamed Adhil | TCS | Regular | IT | 3.9 | FTE |
| 183001052 | Mohammed Ashik S | MBit Wireless | Dream | Core | 7.5 | Intern+FTE |
| 183001053 | Mujahith Thameem | Infosys | Regular | IT | 3.6 | Intern+FTE |
| 183001053 | Mujahith Thameem | Mphasis | Dream | IT | 6 | FTE |
| 183001055 | Mythili M | O9 solutions | Dream | IT | 9.1 | FTE |
| 183001057 | Navinsai Kaarthik T Y | Deloitte | Dream | IT | 7.6 | FTE |
| 183001058 | Neythra Jayaprakash | Optum | Super Dream | IT | 13.8 | FTE |
| 183001060 | Nishitha Saraswathi A | Temenos | Dream | IT | 6.3 | Intern+FTE |
| 183001031 | Pa.Hari Krishna Achuthan | Deloitte | Dream | Management | 7.6 | FTE |
| 183001062 | Parithi R | Microchip | Super Dream | Core | 10.55 | Intern+FTE |
| 183001304 | Pavan Kumar Reddy N | Temenos | Dream | IT | 6.3 | Intern+FTE |
| 183001064 | Prasanna Kumar T | McKinsey | Super Dream | Management | 10 | Intern+FTE |

# PLACEMENT REPORT

| Register Number | Name | Company Placed | Category | Type | CTC (in LPA) | Job Description |
|---|---|---|---|---|---|---|
| 183001065 | Praveen.W | Comcast | Dream | IT | 8,25,000 | Intern+FTE |
| 183001098 | R.Sri Hari | Microchip | Super Dream | Core | 10.55 | Intern+FTE |
| 183001066 | Ragavan | O9 solutions | Dream | Management | 9.11 | FTE |
| 183001068 | Ramya S | Accolite | Super Dream | IT | 11 | Intern+FTE |
| 183001069 | Rengarajan S | Microchip | Super Dream | IT | 10.55 | Intern+FTE |
| 183001070 | Reshab S | Latentview analytics | Dream | IT | 6.5 | FTE |
| 183001071 | Reshmika Janani M | Mbit Wireless | Dream | Core | 7.5 | FTE |
| 183001072 | Retika M.K. | Comcast | Dream | Core | 8.25 | Intern+FTE |
| 183001074 | Rishikumar S | Comcast | Dream | Core | 8.25 | Intern+FTE |
| 183001001 | S.Aarthi | L and T construction | Dream | Core | 6 | FTE |
| 183001075 | Sai Arun V | Deloitte | Dream | IT | 7.6 | FTE |
| 183001076 | Saikrishna S | Deloitte | Dream | IT | 7.6 | FTE |
| 183001077 | Saiprasath R | Comcast | Dream | Core | 8.3 | Intern+FTE |
| 183001078 | Sanjay Balasubramanian | Tata Consultancy Services | Regular | IT | 3.9 | FTE |
| 183001079 | Sanjay M | Latentview analytics | Dream | Management | 6.5 | FTE |
| 183001080 | Sankaran K | Comcast | Dream | IT | 8.25 | Intern+FTE |
| 183001082 | Shaherudeen S | O9 Solutions | Dream | Management | 9.11 | FTE |
| 183001083 | Shalini S | Optum | Super Dream | IT | 13.81 | FTE |
| 183001086 | Shrruthy Laya C | Temenos | Dream | IT | 6.3 | FTE |
| 183001087 | Shruthi C K | Optum | Super Dream | IT | 13.8 | FTE |
| 183001088 | SHRUTHI J | DOW CHEMICALS | Dream | Core | 8.3 | Intern+FTE |
| 183001089 | Siddarth M | Deloitte | Dream | IT | 7.6 | FTE |
| 183001090 | Siddharthan A | Mbit Wireless | Dream | Core | 7.5 | FTE |
| 183001091 | Sivakarthikeyan J | Comcast | Dream | Core | 6 | Intern+FTE |

# PLACEMENT REPORT

| Register Number | Name | Company Placed | Category | Type | CTC (in LPA) | Job Description |
|---|---|---|---|---|---|---|
| 183001093 | Sivaramaganesh S | Cognizant | Regular | IT | 4 | Intern+FTE |
| 183001095 | Somnath Thilak V | Comcast | Dream | Core | 8.25 | Intern+FTE |
| 183001096 | Soorya S | Optum | Super Dream | IT | 13.81 | FTE |
| 183001097 | Sowmya G | Deloitte | Dream | IT | 7.6 | FTE |
| 183001099 | Sri Raghu Vishal M | TCS | Regular | IT | 3.36 | FTE |
| 183001101 | Sriram TS | Cognizant | Regular | IT | 4.5 | Intern+FTE |
| 183001102 | Srividhya S | Comcast | Dream | Core | 6 | Intern+FTE |
| 183001103 | Subitsha R | CTS | Regular | IT | 4 | Intern+FTE |
| 183001105 | Suganthi S | Tata Consultancy Services | Regular | IT | 3.9 | FTE |
| 183001105 | Suganthi S | Comcast | Dream | Core | 8.25 | Intern+FTE |
| 183001009 | Sujit Aluru | LTI | Dream | IT | 6.5 | FTE |
| 183001106 | Surabhi S | Citibank | Super Dream | IT | 13.75 | FTE |
| 183001107 | Suraj Subramaniam N | HCL | Regular | IT | 4.75 | FTE |
| 183001067 | T.V.Rajalakshmi | Optum | Super Dream | IT | 13.81 | Intern+FTE |
| 183001111 | TANGUTURU VENKATA LAKSHMI VYSHNAVI | Oracle | Dream | IT | 6.55 | FTE |
| 183001113 | Titus Yesuraj J | Mphasis | Dream | IT | 6 | FTE |
| 183001114 | Usha K V | CTS | Regular | IT | 4 | Intern+FTE |
| 183001033 | V.Harini | Optum | Super Dream | IT | 13.81 | FTE |
| 183001115 | Varun Vignesh Y | Comcast | Dream | Core | 8.25 | Intern+FTE |
| 183001116 | Varunan R | HCL | Regular | IT | 4.75 | FTE |
| 183001117 | VASANTH. V | MBIT WIRELESS | Dream | Core | 5 | FTE |
| 183001118 | Vignesh N | Deloitte | Dream | IT | 7.6 | Intern+FTE |
| 183001119 | Vignesh S | TransUnion | Dream | IT | 8 | FTE |
| 183001120 | Vimalan K M | Oracle | Super Dream | IT | 11.26 | FTE |
| 183001121 | Vinoth S | Mphasis Limited | Dream | IT | 6 | FTE |

# PLACEMENT REPORT

| Register Number | Name | Company Placed | Category | Type | CTC (in LPA) | Job Description |
|---|---|---|---|---|---|---|
| 183001122 | Vishal Easwaramoorthy | Optum | Super Dream | IT | 13.8 | FTE |
| 183001123 | Vishalini Maiswari S | Cognizant | Dream | IT | 6.75 | Intern+FTE |
| 183001124 | Vishwa Raj V | Microchip technology | Super Dream | Core | 10.55 LPA | Intern+FTE |
| 183001125 | Yashwanth Praksh Kumar I | TCS | Regular | IT | 3.9 | FTE |

# GRE

### One Test.
### More Opportunities for Success.

*Getting an advanced degree can create many opportunities. In fact, statistics states how higher education pays in higher earnings and lower unemployment rates.*

The Graduate Record Examination, or GRE, is an important step in the graduate school or business school application process conducted by ETS.

The GRE is a multiple-choice, computer-based, standardized exam that is often required for admission to graduate programs and graduate business programs (MBA) globally.

# *Test Content*

- 1 Analytical Writing Assessment section

## ANALYTICAL WRITING

| Number of questions | Minutes to complete Analytical Writing | Score range |
|---|---|---|
| Two separately timed tasks: one "Analyze an Issue" task and one "Analyze an Argument" task | 30 minutes per task; 60 minutes total | 0 to 6 |

- 2 Verbal Reasoning sections

## VERBAL REASONING (VERBAL)

| Number of questions | Minutes to complete Verbal Reasoning | Score range |
|---|---|---|
| 6 Text Completion questions<br>4 Sentence Equivalence questions<br>10 Reading Comprehension questions<br>20 total questions per section | 30 minutes per task; 60 minutes total | 130 to 170 |

- 2 Quantitative Reasoning sections

## QUANTITATIVE REASONING (QUANT)

| Number of questions | Minutes to complete Quantitative Reasoning | Score range |
|---|---|---|
| 7–8 Quantitative Comparison questions<br>12–13 Problem Solving questions<br>20 total questions per section | 35 minutes per section | 130 to 170 |

## WHAT IS A GOOD GRE SCORE?

When considering your GRE score goal, look at the requirements—or minimums, if applicable—at the graduate or business programs to which you're applying. This will let you know your score baseline. If you can find the mean or average GRE score of admitted applicants, you'll be able to determine what GRE score will make you a competitive applicant.The Verbal and Quant sections of the GRE are each scored from 130 to 170. The mean score for Verbal Reasoning is 151, and the mean score for Quantitative Reasoning is 153. The Analytical Writing Assessment is scored from 0 to 6 in half-point increments, and the mean score is 4.0.

## WHEN TO TAKE THE GRE

Since graduate programs have a wide range of application deadlines, you'll want to research your programs of interest ahead of time and ensure that your GRE score can be reported in time for your earliest deadline. Your GRE score is good for five years. You'll want to devote 1–3 months to studying for the GRE, and top scorers report studying for 100+ hours.

## HOW MUCH DOES IT COST TO TAKE THE GRE?

The cost to take the GRE is $205 for all testing locations except China. The fee includes sending score reports to up to four graduate institutions of your choice.

# WORD SEARCH

```
J O L E S S C S K D L T S V N U U E
P L U B M I M K M G L T H F J F T A
Z E N E X E G V I L B V R U O X E N
J M O V I M U O R L A W W S U I U W
Q E Y M K E I C F A R A D R L T B O
T X A G P N W Y L Q V F U S E U P D
U N D Y Z S P T Z G H N U S C Z A G
N J E U T G S F U X E G A U S S E A
K K S L C K B E R Y N J F M Q E F X
B N B X X Y A R F O R J L Y O R C K
Z B T N K P K B F F Y P J D A W K C
X E U X L F A I H O T E S L A D F X
```

1. The unit of magnetic flux density B.
2. This represents the amount of electric charge in coulombs that is stored per 1 volt.
3. Opposite of resistance
4. Equivalent of one kilogram meter squared per second squared per ampere squared
5. Equivalent of one watt of power radiated or dissipated for one second.
6. Weber per square meter of circuit area.