

RedEEEm



A Beginner's Guide To MOOCs

Experiences Earned! - Voice of Alumni

Volume 9
Issue 1

Webinars - Learning in Times of a Pandemic

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FROM HOD'S DESK

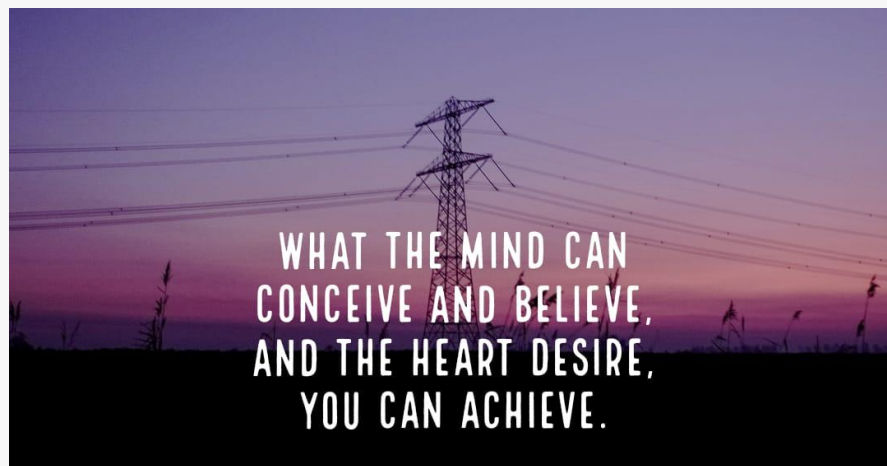
We are extremely happy to present the newsletter of the EEE department. This issue presents a broad perspective of activities undertaken by the department in the past 3 months.

I appreciate the efforts of Dr.V.Thiyagarajan in coordinating with the Associate director, Marketing to update our Website in the present form. Dr.R.Seyezhai was the SPOC for the event "Virtual Open Day", which was well received.

Faculty members of the department were able to publish good number of publications in Thomson Reuters indexed journals despite Covid-19 situation. I congratulate Dr.R.Rengaraj for publishing a book chapter entitled, "An Integrated Approach For Fault Detection, Classification And Location In Medium Underground Cables" in "Artificial Intelligence Applications in Electrical Transmission and Distribution Systems Protection", to be published by CRC Press, Taylor and Francis group.

Department of EEE Organized various online Faculty Development Programs, short term training programs and webinars by which they acquired sufficient mastery in handling various distance learning platforms. Also, I am happy to note that many faculty are able to complete courses from Coursera.

I appreciate the efforts of the editorial board in the conceptualization of the EEE newsletter that was initiated in the year 2012 and it served as an important document in enlisting our achievements. I congratulate all the faculty members who have contributed to the progress of the department.



EDITORIAL

CREATIVITY - THE INSIDE STORY

If you analyze your day to day life, how much of your creative energy is tied up in guilt, hatred, hypocrisy, resentment, prejudices, envy and fear? Unfortunately, you are not conscious about the adverse effects of these inherent feelings. Eventually, there is so much talk of creativity but not much on grounds. You find it hard to create new knowledge as you exhaust all your energy in giving so much attention to the external environment. Your whole lot of energy is tied up in thinking about others, comparing all kind of speculative imagination about the past and the present, looking at the person not the purpose etc. It is important to go beyond all of these things in the outer world by taking your attention off them. The truth is that you can be using all this energy to re-create a new destiny.

When you place your attention on all these outer world elements, your energy is flowing away from you and this leaves little energy in your inner world of thoughts and feelings to create something new in your life. You keep reacting to the same conditions in the same way—in a state of chronic stress, which causes the brain to be in a constant state of arousal—your inner world becomes imbalanced and your brain begins to work disorderly and incoherently, become clumsy, affecting your creativity. In other words, you become the victim of your life instead of the creator of your life. This is why it's hard to lead a stable life if your bring up condition is not good. You often live reluctantly in the margins. It's as though the predator, which causes fear and stress, is not out there in the wild making an occasional toothy appearance, but is instead living in the same cave as you are. This personal reality in you becomes your personality.

If you're living by the externally induced emotions day in and day out, your body starts to believe that it's in the same environmental condition. Then, these emotions influence you to make the same choices, causing you to demonstrate the same habits that creates the same experiences that then produces the same emotions all over again. Your cells are constantly being exposed to the same chemical environment (the environment outside your body as well as outside the cells but within your body). This chemistry keeps signaling the same genes in the same way—and so you're stuck because when you stay the same, your genetic expression stays the same.

Now, you are headed for a genetic destiny because you don't have any new information coming from the environment. But when the circumstances in your life change, it also changes the chemical environment surrounding your cells, but not all the time. If you've spent years conditioning your body to this cycle of thinking and feeling, and then feeling and thinking, without realizing it, you've also conditioned your body to become addicted to these emotions.

EDITORIAL

CREATIVITY - THE INSIDE STORY

If you have spent years conditioning your body to be addicted to misery, you would eventually return to that old emotion because your body would crave its chemical fix. That's why it's hard to come over from external and internal bad habits or addictions. Your New Year promises and emotional reactions to WhatsApp's exciting messages are transient. Your outer environment may have changed, but your body will always believe its internal chemistry more than its external conditions. So, it remains emotionally locked into your old state of being, still addicted to those old emotions. As the internal chemistry hasn't changed, you can't change the expression of your genes to make new proteins in order to improve the structure or the function of your body, so there's no change in your health or your life.

So, simply changing the external environment doesn't necessarily break that addiction anymore. Because of the thinking-feeling loop, sooner or later—after the novelty of the experience is over—most of you return to your baseline emotional state, and your body believes it is facing the same old experience that created the same old emotions. That's why it is essential to think greater than the way you feel. So, consistent high thinking with elevated emotions, enhanced perceptions, positive affirmations, acting as courageous and imagining the big picture, irrespective of the external influences make any real, lasting changes. But it is not easy.

So, when you change your emotions, you can change the expression of your genes (turning some on and others off) because you are sending a new chemical signals to your DNA, which can then instruct your genes to make different proteins —up-regulating or down-regulating to make all kind of new building blocks that can change the structure and the function of your body. And at the same time, these epigenetically altered genes will begin to follow new instructions, making new proteins and programming the body for growth, repair, and healing. Meditation is mainly used as the model to change the internal state of a person. Once you take your attention off all these exterior elements, you actually free up enough available energy to do some creative work. Education is supposed to impart some control and quality in perception. The ecosystem should train its stakeholders to understand about these essential things for creativity to blossom naturally rather than by other means. Maybe the new education policy paves the way for this, bringing structured thinking and professional integrity. This pandemic forced people to live a hygienic life with choiceless awareness, think deeper and wider and made them realize that creativity is for survival.

MEETINGS

1. Dr. R. Ramaprabha, Asso. Prof./EEE attended the zoom meeting (II year faculty meeting) for conduction of online classes for II Year B.E. hosted by Dr. V. Kamaraj, HoD/EEE on Mar 26, 2020.
2. Dr.M.Balaji attended the meeting for conduction of online classes for I Year M.E. hosted by Dr. V. Kamaraj, HOD/EEE on Mar 25, 2020. I year M.E online classes have been conducted from Mar 30, 2020.
3. Dr. R. Ramaprabha, Asso. Prof./EEE attended the zoom meeting (Domain expert meeting) for finalizing the PEO, PO & Cos preparation for various courses hosted by Dr. V. Kamaraj, HOD/EEE on Mar 31, 2020.
4. Dr.M.Balaji attended the meeting (Domain expert meeting) for finalizing the PEO, PO & Cos preparation for various courses hosted by Dr. V. Kamaraj, HOD/EEE on Mar 31, 2020.
5. Dr. R. Ramaprabha, Asso. Prof./EEE hosted the zoom meeting on April 1, 2020 for Electronics Group members Dr. P. Saravanan and Dr. S. Krishnaveni for discussing the points for improving course plans as suggested in the domain expert meeting.
6. Dr.R.Seyezhai, ASSP/EEE conducted the online meeting via Zoom to discuss about the Preparation of course proposals - COs, CO Assessment & PO Mapping with justification for the domain group Power Electronics.It was attended by Dr.M.Balaji, Dr.U.Shajith Ali, Dr.M.Pandikumar & Dr.V.Thiyagarajan.
7. Dr.R.Seyezhai, ASSP/EEE conducted the online meeting via Zoom to discuss about the Preparation of course proposals - COs, CO Assessment & PO Mapping with justification for the domain group Power Electronics. Prof.Ganesh Samudra gave the feedback and suggestions for the courses related to the domain power electronics in writing the justification for CO-PO mapping.
8. Dr. R. Ramaprabha, Asso.Prof./EEE attended the zoom meeting on April 11, 2020 & April 13, 2020 to discuss the forthcoming international conference ICRES2020. The members of the meeting are Dr. R. Seyezhai, Dr. R. Ramaprabha, Dr. M. Balaji and Dr. M. Pandikumar. Host: Dr. R. Seyezhai. The brochure & website were finalized, get approval from the HoD and were disseminated among academic groups.

MEETINGS

9. Dr.R.Seyezhai, ASSP/EEE conducted the online meeting via Zoom to finalize the brochure for the International Conference –ICRES-2020 to be held during Aug.26-28, 2020 at SSNCE.

10. Dr Mrunal Deshpande ASSP/EEE attended online arranged with Dr Ganesh Samudra for the CO Pos mapping for machines related courses and laboratory.

LONGSHORE YOUTH MINISTRY

11. Dr.M.Balaji hosted a meeting on April 13, 2020 for reviewing/clarifying the comments given by Prof. Ganesh Samudra against the course plans (Theory & Lab) for Electrical machines courses submitted to him through mail. The members of the meeting are Prof. Ganesh Samudra, Dr. Mrunal Deshpandae ,Dr.R.Deepalakshmi, Dr.Alaghu Dheeraj and Dr.V.S.Nagarajan. Host: Dr. M.Balaji. The group members clarified their doubts with respect to the preparation of course plans. The suggestions given by the professor were incorporated and revised proposals have been submitted.

12. Dr. R. Ramaprabha, Asso.Prof./EEE hosted the zoom meeting on April 16, 2020 for reviewing/clarifying the comments given by Prof. Ganesh Samudra against the course plans (Theory & Lab) submitted to him through mail. The members of the meeting are Prof. Ganesh Samudra, Dr. R. Ramaprabha, Dr. P. Saravanan and Dr. S. Krishnaveni. Host: Dr. R. Ramaprabha. The group members clarified their doubts with Professor. The points/clarifications mentioned by Prof. Samudra were noted down and agreed to be submitted for further review after corrections.

13. Dr. R. Ramaprabha, Asso.Prof./EEE attended a zoom meeting on June 23, 2020 to discuss the plans of forthcoming international conference ICRES2020. The members of the meeting were Dr. R. Seyezhai, Dr. R. Ramaprabha, and Dr. M. Balaji. Host: Dr. R. Seyezhai.

14. Dr. R. Ramaprabha, Asso. Prof./EEE attended the Zoom meeting (EEE faculty meeting) for conduction of revision test for B.E. /M.E.programme hosted by Dr. V. Kamaraj, HoD/EEE on June 24, 2020 between 8.30 pm to 09.00 pm.

15. Dr.R.Seyezhai, ASSP/EEE attended the online DC meeting for confirmation convened by SELECT, VIT University, Chennai.

MEETINGS

16. Dr.V.Rajini Prof/EEE attended an online synopsis meeting for VIT University
17. Dr. R. Ramaprabha, Asso. Prof./EEE has attended online DC meeting as DC member for Part-time research scholar (doing at Vellammal Engineering College) of Faculty of Electrical Engineering, Anna University Chennai on 24.06.2020 during 8 AM to 10 AM.
18. Dr.R.Seyezhai, ASSP/EEE attended the online Synopsis meeting for a scholar convened by SRM University, Kattankulathur .
19. Dr.R.Seyezhai, ASSP/EEE attended the online DC meeting convened by VIT University, Vellore .

REVIEW

1. Dr.Ramaprabha, Asso. Prof./EEE acted as one of the external advisory committee members for E-Conference on Advancements in Science and Technology - (E-CAST2020), June 22, 2020 conducted by PSNA Engineering College, Dindigul, India.
2. Dr. V. Thiyagarajan, Associate Professor/EEE has served as reviewer in the "Third International Conference on Mechanical, Electric and Industrial Engineering (MEIE2020)" organized in Kunming, China during May 23-25, 2020.
3. Dr. R. Ramaprabha, Asso.Prof./EEE reviewed 1 paper for IETE Journal of Research on 22.04.2020.
4. Dr. V. Thiyagarajan, Associate Professor/EEE has served as reviewer in the "Electric Power and Renewable Energy Conference (EPREC 2020)" organized by NIT Jamshedpur during May 29-30, 2020 .
5. Dr. R. Ramaprabha, Asso.Prof./EEE reviewed the following papers: 2 papers for IEEE access; 2 papers for Sustainable Energy technologies and Assessments (Elsevier); 1 paper for CSEE Journal of Power and Energy Systems; 1 paper for International Journal of Electrical Power & Energy Systems (Elsevier) on 15.04.2020.

REVIEW

6. Dr. M.Balaji submitted the Electrical machines course proposals prepared by Dr. M.Balaji, Dr.Mrunal Deshpande, Dr.R.Deepalakshmi, Dr.Alaghu Dheeraj, and Dr.V.S.Nagarajan for review to Prof. Ganesh Samudra.
7. Dr.R.Deepalaxmi, ASSP/EEE, prepared the revised course proposal for Electrical Machines-I and Electrical machines Lab-I for UG NBA syllabus revision.
8. Dr.Mrunal Deshpande ASSP/EEE, the CO PO mapping for Electrical Machines-II and submitted through Dr M Balaji to Dr Ganesh Samudra,
9. Dr. R. Ramaprabha, Asso.Prof./EEE submitted the Electronics group course proposals for review to Prof. Ganesh Samudra on April 8 (Theory) & April 11 (Labs) prepared by Dr. R. Ramaprabha, Dr. P. Saravanan and Dr. S. Krishnaveni. Version 2 of the modified proposals is submitted on April 25, 2020 for further review.
10. Prof. Ganesh Samudra reviewed the Preparation of course proposals - COs, CO Assessment & PO Mapping with justification for the following subjects : Power Electronics, Solid state drives, Modern Power Converters, HVDC, Smart Grids, Solar & Energy storage system, Power Electronics for RES. Based on his suggestions and feedback, these course proposals were finalized in the domain group Power Electronics and it was coordinated by Dr.R.Seyezhai.
11. Dr. R. Ramaprabha, Asso. Prof./EEE reviewed the following papers: 1 paper for Sustainable Energy Technologies and Assessments (Elsevier); 1 paper for IEEE PES Transactions on Energy Conversion; Has been added as reviewer in Journal of Energy Storage; June 1, 2020.

FACULTY DEVELOPMENT PROGRAMME

1. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the online Faculty Development Programme on "Electric Vehicle Technologies" organized by IEEE Madras Section.
2. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the online Faculty Development Program on " Research Ideas & Performance Analysis of Switched Reluctance Motor Using MagNet Software" conducted by Jerusalem College of Engineering, Chennai.

FACULTY DEVELOPMENT PROGRAMME

3. Dr.V.Rajini Prof/EEE attended a 5 day FDP on "Digital skills for smart teaching" organised by department of Education, Annamalai university.
4. Dr.S.Krishnaveni, ASSP, participated in the One-Week Online Faculty Development Programme on DIGITAL SKILLS FOR SMART TEACHING for the Teachers of Colleges and Universities organized by Department of Education, Annamalai University, Annamalai Nagar – 608002,Tamil Nadu, India from JUNE 12 to 18, 2020.
5. Dr. R. Ramaprabha, Asso. Prof./EEE attended Live webinar on “FDP - Outcome Based Education Software” conducted by Vmedulife on 11th June 2020 (11.00 am to 12.30 pm).
6. Dr. Alagu Dheeraj / Associate Professor participated in the One-Week Online Faculty Development Programme on DIGITAL SKILLS FOR SMART TEACHING for the Teachers of Colleges and Universities organized by Department of Education, Annamalai University, Annamalai Nagar – 608002,Tamil Nadu.
7. Dr.V.Rajini Prof/EEE conducted a online FDP on "Industrial Power System Protection and Control".
8. Dr.V.Rajini Prof/EEE attended a Workshop for marghadarshaks conducted by AICTE , Delhi.
9. Dr.R.Rengaraj, ASSP/EEE Participated in the Two Day National Level Virtual Faculty Development Programme on “Industrial Power System Protection and Control”, conducted by the Department of Electrical and Electronics Engineering, SSN College ofEngineering, Kalavakkam.
10. Dr. V. Thiyagarajan, Associate Professor/EEE, has organized a three day Virtual Faculty Development Programme on "Evolutionary Optimization Techniques".
11. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the Five days Online Faculty Development Program on “Role of Automation Techniques in Electrical Engineering” organised by St. Joseph's College of Engineering, Chennai.

FACULTY DEVELOPMENT PROGRAMME

12. Dr Mrunal Deshpande attended faculty development program on evolutionary optimization techniques arranged by EEE/SSNCE.
13. Dr.R.Seyezhai, ASSP/EEE attended the Faculty development programme titled, "Cutting-Edge Technologies for Electrical Engineering", ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY,AP.
14. Dr.N.B. Muthu Selvan, ASSP/EEE attended a six-day National workshop on the topic, "Perspectives of Teaching and Learning of Engineering Sciences for Outcome-Based Education" from 15th June to 20th June 2020, under the AICTE-Margadarshan Scheme, Organized by Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli.
15. Dr.R.Deepalaxmi, ASSP/EEE attended 3 Days Faculty Development Program on "Applications of Power Electronics for Renewable energy and Power systems" organized by Department Of EEE, Rajalakshmi Engineering College,Thanadalam,Chennai
16. Dr.N.B. Muthu Selvan, ASSP/EEE acted as Resource Person for five-day Faculty Development programme on "Integration of Green Energy with Smart Power systems" from 22nd to 27th June-2020 organized by Sathyabama Institute of Science and Technology, Chennai.
17. Dr. V. Thiyagarajan, Associate Professor/EEE, has delivered the lecture on "Analysis of Multilevel Inverter Topologies" in the Virtual Faculty Development Program on "Research Opportunities and Challenges of Electrical Engineering" Kongunadu College of Engineering and Technology,Thottiam, Trichy.
18. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the Faculty Development Program on "Renewable Energy Systems" organised by the Institution of Green Engineers & Panimalar Institute of Technology, Chennai.
19. Dr.V.Rajini Prof/EEE attended a FDP on "EMI mitigation in inverter fed motor drive for EVS ,vit vellore.
20. Dr. V. Thiyagarajan, Associate Professor/EEE, has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Cyber Security" at National Institute of Technology, Warangal.

FACULTY DEVELOPMENT PROGRAMME

21. Dr. G. R. Venkatakrishnan, Associate Professor, EEE has attended a FDP on "Renewable Energy Systems" organized by RVS College of Engineering and Technology during June 1 - 5, 2020.

OTHER ACTIVITIES

1. Dr.R.Seyezhai, ASSP/EEE conducted the online class for I Year M.E., PED.
2. Dr Mrunal Deshpande conducted online class from 1st April onwards for full month for ME (PED) and completed the portions.
3. Dr.R.Deepalaxmi, ASSP/EEE, conducted online classes through Zoom for II year/IV sem EEE A students for Electrical machines-II theory subject.
4. Dr. R. Ramaprabha, Asso.Prof./EEE floated Virtual lab for UEE1412 – ADEC Lab on April 9, 2020 to II year EEE students through LMS
5. Dr Mrunal Deshpande had discussion with her internal funded project students about the progress and also made corrections in the papers submitted by them.
6. Dr.R.Seyezhai, ASSP/EEE had discussion with the full-time Ph.D. scholars regarding their progress of their research work .
7. Dr. R. Ramaprabha, Asso.Prof./EEE & Prof. Ganesh Samudra, Visiting Professor/EEE conducted online classes for II year EEE A section from Mar 31, 2020 to April 29, 2020 to complete the syllabus and revision of the subject "Analog Electronic Circuits".
8. Dr Anitha Roseline conducted online classes for II yr EEE A sec.
9. Dr M Senthil Kumar conducted online classes for II yr EEE A sec for control systems and completed the portions.
10. Dr.R.Rengaraj, ASSP/EEE wrote a book chapter entitled, "An Integrated Approach For Fault Detection, Classification And Location In Medium Underground Cables". It was accepted for publication in "Artificial Intelligence Applications in Electrical Transmission and Distribution Systems Protection", Book to be published by CRC Press, Taylor and Francis group.

OTHER ACTIVITIES

11. Dr.N.B. Muthu Selvan, ASSP/EEE Acted as the chairperson for, "International Conference on Recent trends in Automation, Signal Processing And Energy System (Icase2020)"-19th and 20th, June 2020, organized by Kalasalingam Academy of Research and Education, Krishnankoil.
12. Dr Mrunal Deshpande ASSP/EEE assigned task to her two second year EEE batches who are working on internally funded students projects.
13. Dr Mrunal Deshpande ASSP/EEE communicated over phone and through email with final year EEE B section 16 students for whom she is mentor.
14. Dr.R.Seyezhai, ASSP/EEE jointly by IEEE Madras Section & IEEE-PELS, Madras Chapter organized a webinar titled, "Overview of EV and its opportunities".
15. Dr Mrunal Deshpande ASSP/EEE conducted online CAT III for II semester M.E (PED) for special electrical machines.
16. The department of EEE organized a webinar on "Modern Software Tools for Performance Analysis of Electrical Apparatus" during June 1-3,2020.The sessions were handled by experts from M/S ePropelled systems private limited.EEE UG students of II,III and IV year participated in the program. Dr.V.Kamaraj, Dr.M.Balaji and Dr.V.S Nagarajan coordinated the program.
17. Dr. V. Thiyagarajan, Associate Professor/EEE, has successfully completed and secured 100% marks on online Quiz "Electronic Science QUIZ" organized by Department of Electronics & Communication Engineering, Brilliant Grammar School Educational Society's Group of Institutions, Hyderabad.
18. Dr. V. Thiyagarajan, Associate Professor/EEE, has delivered the lecture on "Analysis of Multilevel Inverter Topologies" in the Virtual Faculty Development Program on "Research Opportunities and Challenges of Electrical Engineering" Kongunadu College of Engineering and Technology, Trichy.

OTHER ACTIVITIES

19. Department of EEE in association with IEEE-PELS, Madras Chapter Organized an online Webinar on “Smart Grid Protection Systems” delivered by Dr. K. N. Dinesh Babu, Application & Product Manager, Megger, Chennai on June 29, 2020. The event is organized by Dr. V. Kamaraj (Prof. & Head/EEE), Dr. R. Seyezhai, Dr. R. Ramaprabha and Dr. M. Balaji, Asso. Profs./EEE. The total registrants are 210.

ONLINE COURSES

1. Dr.R Seyezhai, ASSP/EEE completed the online course titled, “AI For Everyone” and obtained the certificate from Coursera.
2. Dr.M.Balaji /ASSP/EEE completed a Coursera course "AI For Everyone".
3. Dr P Saravanan ASSP/EEE completed an online course titled, “Programming for everybody, Getting started with Python”, authorized by University of Michigan, and offered through Coursera.
4. Dr.R.Rengaraj, ASSP/EEE completed online course "Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization "through Coursera.
5. Dr.R.Seyezhai, ASSP/EEE registered for the online courses on Battery Management system and Power Electronics. The course is in progress.
6. Dr Mrunal Deshpande ASSP/EEE registered for Coursera online course on Neural networks and deep learning. The course is in progress.
7. Dr.U.Shajith Ali, ASSP/EEE has successfully completed ‘Data Science Math Skills’ four weeks online course authorized by Duke University and offered through Coursera.
8. Dr. V. Thiyagarajan, Associate Professor/EEE, has successfully completed the online course titled “Control of mobile robots” with a grade of 100% authorized by Georgia Institute of Technology and offered through Coursera. It was a seven week course and the instructor for the course is Dr. Magnus Egerstedt, Georgia Institute of Technology.
9. Dr. V. Thiyagarajan, Associate Professor/EEE, has successfully completed the online course titled “Matrix Methods” with a grade of 87.3% authorized by University of Minnesota and offered through Coursera. It was a five week course and the instructor for the course is Dr. Daniel Boley, University of Minnesota.

WEBINARS

1. Dr. Alagu Dheeraj / Associate Professor, participated in the Webinar on “Server & Datacenter Power Solutions from Grid to Core”, Cosponsored by Mouser Electronics and On Semiconductor, hosted by Power Systems Design.
2. Dr. R. Ramaprabha, Asso. Prof./EEE attended a zoom session on “Guidelines for administering open book exams” on June 29, 2020 conducted by CSE department, SSNCE.
3. Dr.R.Seyezhai, ASSP/EEE attended the online meeting regarding the Guidelines for administering open book exams at SSNCE.
4. Dr P Saravanan ASSP/EEE Completed the webinar course on “Understanding EV charging Technology - Level 1”, organized by HarithaTechLogix.
5. Dr. Alagu Dheeraj / Associate Professor, participated in the Webinar on “How a career in power and energy led me to humanitarian opportunities with the largest professional society in the world”, IEEE YESIST12 Special Track & WePOWER Webinar.
6. Dr. Alagu Dheeraj / Associate Professor, participated in the Webinar on “Electronic waste – Emerging threat to the Environment”, Organized by IEEE Product safety Engineering Society, Madras Chapter.
7. Dr. R. Ramaprabha, Asso. Prof./EEE attended the panel discussion on "Role of Women in POWER and Energy Sector" organized in IEEE YESIST12 WePOWER Track on June 26, 2020 at 06.30 pm.
8. Dr.R.Deepalaxmi, ASSP/EEE , attended a Webinar titled " Advanced Testing Methods for Composites" conducted by ZwickRoell in Singapore through a virtual forum.
9. Dr.R.Deepalaxmi, ASSP/EEE, attended a Webinar titled " Testing Challenges in Plastics Industry" conducted by ZwickRoell in Singapore through a virtual forum.
10. Dr. R. Ramaprabha, Asso. Prof./EEE attended an Online Webinar on “AI Applications in Electrical Power Industry” conducted by Department of Electrical and Electronics Engineering, RMD Engineering College, Chennai on June 23, 2020 (11.00 am to 12.30 pm). The session was delivered by Mr. Shishir Sekhar, Worldwide Industry Manager (Utilities & Energy), Mathworks

WEBINARS

11. Dr.M.Balaji /ASSP/EEE attended a webinar on "AI Applications in the Electrical Power Industry " organised by R.M.D. Engineering college on June 23rd 2020.
12. Dr. R. Ramaprabha, Asso. Prof./EEE attended Live Virtual Session on Mindfulness with Dr. Ranjini Manian, Founder Chairperson of Global Adjustments Foundation organized by Faculty of Humanities and Science, Adayalampattu Phase II Campus and AKC Innovation and Entrepreneurship of Dr. MGR Educational and Research Institute on June 23, 2020 (04.00 pm to 05.00 pm).
13. Dr. Alagu Dheeraj / Associate Professor, participated in the IC Webinar on "Role of the Smart Grid in Facilitating the Integration of Renewables", organized by IEEE India Council.
14. Dr.R.Seyezhai, ASSP/EEE attended a webinar titled, "Basics of Artificial Neural Network and introduction to MATLAB tool with simple example " organized by Mookambigai College of Engineering, Pudukottai.
15. Dr. R. Ramaprabha, Asso. Prof./EEE attended webinar on "Hybrid Electric Vehicles – Electrifying the Mobility in India" a motivational speech delivered by Dr. Naveenkumar Marati, Senior Hardware Engineer – PES, Group Electronics Expertise Development Services (GEEDS), Valeo India Private Limited, Chennai held on 20 June, 2020 (06.00 pm to 07.30 pm) organized by Power Innovative Research Consultancy (PIRC), Chennai.
16. Dr.R.Deepalaxmi, ASSP/EEE, attended Webinar titled "Reliable Testing of Metals-ISO 6892-1; 2017" conducted by ZwickRoell in Singapore through a virtual forum.
17. Dr Mrunal Deshpande ASSP/EEE attended a webinar on "Simulation Driven Engineering Best Practices & Vibration Analysis using Ansys" arranged by the mechanical department SSNCE.
18. Dr. R. Ramaprabha, Asso. Prof./EEE attended webinar on "Design of Photovoltaic system for stand-alone application" a motivational speech delivered by Mr. Selvaganesh Venkatesan Electrical Project Engineer Total Plant Engineering & Design Private Limited, held on 19 June, 2020 (11.00 am to 12.30 pm) organized by Department of Electrical and Electronics Engineering, School of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology (Deemed to be University).

WEBINARS

19. Dr. R.Rengaraj, ASSP/EEE Participated in the webinar, “ Internet of Things Using Raspberry PI”, hosted by Institute of Engineering and Technology in association with PANTECH Solutions.
20. Dr. R. Ramaprabha, Asso. Prof./EEE attended RT20's virtual conference (24-hour virtual conference will be live from 09:00 AM EDT on June 18th until 9:00 AM EDT on June 19th). She had a chat with the exhibitors & gained the knowledge of the latest trends in Real-Time Simulation solutions through inspiring presentations and informative technical sessions presented by renowned real-time simulation experts from all around the globe. This conference was hosted by OPAL-RT.
21. Dr. Mrunal Deshpande attended a webinar on “Simulation Drive Engineering Best Practices and Vibration Analysis Using Ansys” conducted by Mechanical department/SSNCE and delivered by an expert from Innovent engineering solutions Pvt Ltd.
22. Dr. R.Seyezhai, ASSP/EEE attended a webinar titled,” Design of Photovoltaic system for stand-alone application”, organized by Sathyabama Institute of Science and Technology, Chennai.
23. Dr. R. Ramaprabha, Asso. Prof./EEE attended Live webinar on “Study of Switched-Mode Power Supply” conducted by Department of Electrical and Electronics Engineering, Mohamed Sathak A J College of Engineering, Chennai on 18th June 2020 (02.30 pm to 04.00 pm).
24. Dr. R. Ramaprabha, Asso.Prof./EEE and Dr. M. Balaji, Asso.Prof./EEE arranged an invited guest lecture (online mode) on “Awareness about DRDO Labs & Projects” for UG & PG (II year EEE) students on 18.06.2020 between 10.00 am to 11.30 am. The lecture is delivered by Shri. S. Madivaanan, Scientist ‘G’, Additional Director (Ret), CVRDE/DRDO, Avadi, Chennai.
25. Dr.R.Seyezhai, ASSP/EEE attended the webinar titled,”Multi disciplinary approach for electric vehicles”, organized by Vidayavarthaka College of Engineering.
26. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the international webinar on “Aerodynamics Simulation” organised by Bharti College of Engineering and Technology, Chhattisgarh.

WEBINARS

27. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the online webinar on “Power Conditioning System for Remote Microgrid and Reliability Assessment” organised by Jerusalem College of Engineering, Chennai.

28. Dr. Alagu Dheeraj / Associate Professor, participated in the Webinar on “E-Mobility - Trends & Opportunities”, organized by IEEE Madras Section and IEEE PELS Madras Chapter.

29. Dr P Saravanan ASSP/EEE Participated in the Keynote Address, in the National conference on Information and Communication Technologies, titled, “Electric Vehicles” hosted by Department of ECE, SSN college of engineering.

30. Dr Mrunal Deshpande ASSP/EEE attended Webinar on PCB design organized by NREC & PANTECH E Learning.

31. Dr Mrunal Deshpande ASSP/EEE attended a webinar on online teaching and training conducted by Pragyan Edinia Foundation.

32. Dr.R.Seyezhai, ASSP/EEE attended the webinar titled “Outcome based education software” organized by vmedulife.

33. Dr.R.Seyezhai, ASSP/EEE attended the webinar titled, “Patent Act, Drafting, Filing system and challenges in India” organized by RMD Engineering College, Chennai.

34. Dr.R.Rengaraj, ASSP/EEE attended the webinar on "Solar Photovoltaic Systems & Future Technologies" conducted by Department of Electrical and Electronics Engineering, St.Joseph's Institute of Technology, Chennai.

35. Dr.R.Rengaraj, ASSP/EEE attended the webinar on "Solar Photovoltaic Systems & Future Technologies" conducted by Department of Electrical and Electronics Engineering, St.Joseph's Institute of Technology, Chennai.

36. Dr.V.Rajini Prof/EEE attended a webinar on the Impedance Analysis: Measuring Low and Fast signals by Meggar.

37. Dr.R.Seyezhai, ASSP/EEE attended the webinar titled “Problem Statement for Research in Electric & Hybrid Vehicle’s”, organized by Haritha TechLogix, Bengaluru.

WEBINARS

38. Dr. G. R. Venkatakrishnan, Associate Professor, EEE has attended a webinar titled " Patent Act, Drafting, Filing System and Challenges in India " organized by RMD Engineering College on 10th June, 2020.

39. Dr. R. Ramaprabha, Asso. Prof./EEE attended a webinar on "Patent Act, Drafting, Filing System and Challenges in India" organized by the Internal Quality Assurance Cell (IQAC) of RMD Engineering College on June 10, 2020 between 10:30am to 12:00 noon. The resource person is Mr. S. Thangapandian, Deputy Controller of Patents & Design, Chennai.

40. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "A Machine Learning Approach for Power Management" organised by Sathyabama University, Chennai in association with Pantech.

41. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Build your own Regression model in Machine Learning" organised by MLR Institute of Technology, Hyderabad in association with Pantech.

42. Dr.R.Seyezhai, ASSP/EEE attended a webinar titled "Selection of Power converters for various applications and grid connected issues" on 06.06.2020 organized by μ -maker Pvt Ltd, Trichy.

43. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Industrial Electrical Actuators and Feedback Elements" organised by Sri Venkateswara College of Engineering, Chennai.

44. Dr.R.Seyezhai, ASSP/EEE attended the webinar titled "Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles" Organized by Department of Electrical & Electronics Engineering, Bapatla Engineering College, Bapatla.

45. Dr.V.Rajini Prof/EEE attended a webinar on " Fulbright Nehru fellowships" organized by USIEF.

46. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Smart Vehicles - IoT Enabled Vehicular Communication" organised by Tagore Engineering College, Chennai in association with Pantech.

47. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "MQTT Protocols – Demonstration and Hands-on" organised by Anurag University, Hyderabad in association with Pantech.

WEBINARS

48. Dr. G. R. Venkatakrishnan, Associate Professor, EEE has attended a webinar titled " Impact of AI during Pandemic Times" organized by ML & Robotics on 4th June, 2020.
49. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Thingspeak Cloud & Internet of Things" organised by Quaid-E-Millath Government College for Women in association with Pantech.
50. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Design and Development of Hybrid Renewable Energy Systems" organised by Jai Shriram Engineering College, Tirupur.
51. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Applying Convolutional Neural Networks - A Deep Learning" organised by Kalasalingam Institute of Technology, Krishnankoil in association with Pantech.
52. Dr. R. Ramaprabha, Asso. Prof./EEE attended a webinar on "Electric Vehicle Simulation & BMS Validation using Opal-RT" conducted by Opal-RT technologies on 2nd June 2020 during 03.00 pm to 05.00 pm. The speakers are Karipireddy Hemasekhar (Field-Application Engineer at OPAL-RT) & Sameer Singh (Systems integration Specialist at OPAL-RT).
53. Dr. G. R. Venkatakrishnan, Associate Professor, EEE has attended a webinar titled " Applying Convolution Neural Networks - A Deep Learning" organized by Kalasalingam Institute of Technology on 02nd June, 2020.
54. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Arduino using Proteus" organised by Sreenidhi Institute of Science and Technology, Hyderabad in association with Pantech.
55. Dr. V. Thiyagarajan, Associate Professor/EEE, has participated in International Webinar Series on "Recent Trends in Power Quality Improvement using AC/AC Converters" organised by Department of EEE, Sri Venkateswara College of Engineering, Chennai.
56. Dr. Alagu Dheeraj / Associate Professor, participated in the Webinar series on "Modeling and Simulation for Healthcare Innovators", organized by the Department of Biomedical Engineering, SSN College of Engineering.

WEBINARS

57. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Advancements in Industrial Robotics" organized by CSI College of Engineering, Ooty.
58. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Industry 4.0 and Cyber Physical Systems (CPS)" organized by St. Anne's College of Engineering and Technology, Panruti.
59. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Renewable Energy Sources Using MATLAB" organized by Methodist College of Engineering & Technology in association with Pantech E Learning.
60. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Building Deep Learning Applications for Big Data" organized by Kings Engineering College, Chennai in association with Pantech E Learning.
61. Dr. G. R. Venkatakrisnan, Associate Professor, EEE has attended a webinar titled " Renewable Energy sources using MATLAB" organized by Methodist College of Engineering and Technology on 28th May, 2020.
62. Dr. G. R. Venkatakrisnan, Associate Professor, EEE has attended a webinar titled " Building Deep Learning Applications for Big Data" organized by Kings Engineering College on 28th May, 2020.
63. Dr. G. R. Venkatakrisnan , Associate Professor, EEE has attended a webinar titled " Renewable Energy sources using MATLAB" organized by Methodist College of Engineering and Technology on 28th May, 2020.
64. Dr.V.Rajini Prof/EEE attended "Simulation-Driven Innovation for e-Mobility" conducted by M/S Altair.
65. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Data Science and Its Applications" organized by Meenakshi College of Engineering in association with Pantech E Learning.

WEBINARS

66. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "State-of-the-art Research in Power Systems and Drafting Research Article" organized by Vaagdevi Engineering College, Warangal, Telangana.
67. Dr. G. R. Venkatakrishnan, Associate Professor, EEE has attended a webinar titled " Deep Learning Using TensorFlow & Keras" organized by Institute of Aeronautical Engineering on 27th May, 2020.
68. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Computational Electromagnetics - Introduction and Challenges" organized by Nandha College of Technology, Erode.
69. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Opportunities for Engineers @ DRDO" organized by Chennai Institute of Technology, Chennai.
70. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Low Power VLSI Design & Analysis" organized by Gokaraju Rangaraju Institute of Engineering & Technology and Pantech E Learning.
71. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Internet of Things" organized by Jai Shriram Engineering College, Tirupur.
72. Dr. G. R. Venkatakrishnan, Associate Professor, EEE has attended a webinar titled " Recent Trends in Power Electronics Using MATLAB" organized by St. Peter's Engineering College on 22nd May, 2020.
73. Dr. G. R. Venkatakrishnan, Associate Professor, EEE has attended a webinar titled " ML for Health Care Application" organized by Sreyas Institute of Engineering and Technology on 21st May, 2020
74. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Trends and Technologies on VLSI " organized by Pantech E-Learning.
75. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Exploring IEEE Power & Society" organized by IEEE Madras Young Professionals.

WEBINARS

76. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the national level technical seminar on "Electric Power Utility Management 2020" organized by IIPC of KLN College of Engineering, Sivangai.
77. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Troubleshooting of Industrial Motors" organized by B. S. Abdur Rahman Crescent Institute of Science And Technology, Chennai.
78. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Image Processing Using Python" organized by Mount Zion College of Engineering and Technology, Pudukkottai in association with Pantech.
79. Dr.V.Kamaraj Prof/EEE, Dr.M.Balaji ASSP/EEE and Dr.V.S.Nagarajan ASSP/EEE attended an online Webinar on "Energy Efficiency in Pumping System with Cases" organized by National Productivity Council of India.
80. Dr.V.S.Nagarajan ASSP/EEE and Dr.M.Balaji ASSP/EEE participated in "Online workshop – Electromagnetic and Thermal Simulation of PMSM (IPM) Motor" organized by Altair.
81. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Impact of Electrical Vehicles in the Post COVID World " organized by IEEE India Council ICNL & ECIM team.
82. Dr. V. Thiyagarajan, ASSP/EEE, has attended the webinar on "Smart Grid Technology in India" organized by IEEE Madras Section.
83. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the "Industrial Expert Online Webinar on E-Vehicles" organized by Jai Shriram Engineering College, Tirupur.
84. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Controls and State Estimation: Past, Present and Future " organized by IEEE Madras Section.
85. Dr. V. Thiyagarajan, Associate Professor/EEE, has attended the webinar on "Smart Battery Energy Management and Health Conscious Fast Charging For Future Transportation" organized by St.Joseph's Institute of Technology, Chennai.

WEBINARS

86. Dr.R.Seyezhai, ASSP/EEE attended the webinar on, “Nuances in Research methodology” delivered by Dr.Albert Alexander, Kongu College of Engineering, Erode.
87. Dr.R.Seyezhai, ASSP/EEE attended the webinar on, “Joy of Teaching” by Dr.C.Balaji, IIT Madras organized by NPTEL.
88. Dr.R.Seyezhai, ASSP/EEE attended the webinar on, “Power Converters for Photovoltaic system” by Prof.Vijayakumari, Amrita School of Engineering, Bangalore in association with IEEE-PES Society.
89. Dr.R.Seyezhai, ASSP/EEE attended the webinar on, “Autonomous Hybrid Micro grids – Future Power systems” by Dr. Sasi K Kottayil , Amrita School of Engineering, Bangalore in association with IEEE-PES Society.
90. Dr.R.Seyezhai, ASSP/EEE attended the webinar on, Live Webinar On "Automotive & Transportation Design" Led by Mr. Boris Fabris, Automotive Designer Consultant, Italy, conducted by ISIE India and passed the online assessment test with good score.
91. Dr.R.Seyezhai, ASSP/EEE attended the webinar on, “Big Data in Electrical Engineering”, delivered by Dr.M.Selavaraju, Senior Director Innovation and Data Analytics, Australia and organized by Sri Krishna College of Technology,Coimbatore.
92. Dr.R.Deepalaxmi, Asso.Prof, attended an online webinar titled “Big Data in Electrical Engineering ” organized by Department of EEE, Sri Krishna College of Technology, Coimbatore.
93. Dr.R.Seyezhai, ASSP/EEE attended the webinar on, “Funding Opportunities for Start-ups/SMEs for Indigenous Technology Commercialization", jointly being organized by the Federation of Indian Chambers of Commerce & Industry (FICCI) and the Technology Development Board (TDB), Department of Science and Technology, Govt. of India. The presentation session will be led by Cdr. Navneet Kaushik, Scientist 'E', Technology Development Board, DST.

PAPER PRESENTATION

1. Dr. S.Malathy and Dr. R. Ramaprabha, Asso.Prof./EEE, "Tracking the Maximum Power Point PV Array using Dichotomous Search", U.P.B. Scientific Bulletin, Series C- Electrical Engineering and Computer Science, Vol. 82, Issue. 1, pp. 179-188, (ISSN (print): 2286-3540 / (online): 2286-3559), Vol. 16, No. 1, pp. 65-81, March 2020. Indexed in Scopus & Web of Science (Thomson Reuters).
2. Ms.S.Vijayalakshmi (Full time research scholar of Dr.R.Deepalaxmi) ,Dr.R.Deepalaxmi, ASSP/EEE and Dr.V.Rajini, Prof/EEE , published a paper titled "Electromechanical characterization of titanium-dioxide-filled SiR-EPDM blends" in Polymers and Polymer Composites (scopus indexed journal) <https://doi.org/10.1177/0967391120915344> , Impact Factor-0.683 SJR-0.225;SNIP-0.37; ISSN: 0967-3911,Online ISSN: 1478-2391
3. Hithu Anand and Rengaraj Ramasubbu, ASSP/EEE published a paper titled "Dynamic Economic Dispatch Problem with Renewable Integration Focusing on Deficit Scenario in India" International Journal of Bio-Inspired Computation (IJBIC), Vol.15, No.1, 2020 (Thomson Reuters Indexed).
4. S. Lakshmi, RS/EEE and Dr. R. Ramaprabha, Asso.Prof./EEE, "A novel multiphase interleaved quadrupler circuit with reduced voltage stress and ripples for photovoltaic applications", International Transactions on Electrical Energy Systems, Vol. 30, No. 5 (e12317), May 2020. DOI: <https://doi.org/10.1002/2050-7038.12317>. Indexed in Scopus & Web of Science (Thomson Reuters).
5. Dr. V. Thiyagarajan, Associate Professor/EEE, has presented the paper titled "New Asymmetrical 51-Level Inverter Topology" in the "2nd International Conference on Advances in Applied Engineering and Technology" organized by Syed Ammal Engineering College, Ramanathapuram.
6. Dr. V. Thiyagarajan, Associate Professor/EEE, has presented the paper titled "New Symmetric 11-Level Inverter Topology with Switching Pulse Generation Using Logic Gates" in the "2nd International Conference on Advances in Applied Engineering and Technology" organized by Syed Ammal Engineering College, Ramanathapuram.
7. Anbuselvi M, Saravanan P ASSP/EEE and Kiruthiga S, "Design of an area efficient crypto-coding based cellular automata technique", National conference on Information and Communication Technologies 2020, conducted by Department of ECE, SSN college of engineering.

PAPER PRESENTATION

8. SP. Chitra, FT Research Scholar/EEE and Dr. R. Ramaprabha, Asso. Prof./EEE, "Comprehensive Analysis of Efficiency Enhancement Methods of Building Integrated Photovoltaic System under Partial Shaded Conditions", Interiencia Journal (ISSN: 0378-1844), Vol. 45, No. 5, pp. 57-73, May 2020. Indexed in Scopus & Web of Science (Thomson Reuters).
9. Dr. R. Ramaprabha, Asso.Prof./EEE, V. Aadhaan, K. Arun and V. Arun (UG students), "Implementation of 15 – level Cascaded H-H-T Multilevel Inverter", E-Conference on Advancements in Science and Technology - (E-CAST2020), June 22, 2020 conducted by PSNA Engineering College, Dindigul, India presented by UG students through online. Received Best Paper Award.
10. Dr. R. Ramaprabha, Asso. Prof./EEE, R. Akshitha Blessy, R. Lekhashree and P. Meenakshi (UG students), "Design of Converter- Inverter for Hybrid Solar Integrated AC Microgrid System", E-Conference on Advancements in Science and Technology - (E-CAST2020), June 22, 2020 conducted by PSNA Engineering College, Dindigul, India presented by UG students through online.
11. Dr.R.Seyezhai, ASSP/EEE Heera N, Mathangi Srinivasan, Keerthana P(IV year EEE, A) presented a paper titled, "Design and Implementation of an AC-DC Converter for Off Board Charger of Electric Vehicle",in the E-Conference on Advancements in Science & Technology, organized by PSNA College of Engineering and Technology, Dindigul.
12. Dr.R.Seyezhai, ASSP/EEE S.Sridhar, Srikirthi (III year EEE, B) presented a paper titled, "Electrolytic capacitor less AC-DC converter",in the E-Conference on Advancements in Science & Technology, organized by PSNA College of Engineering and Technology, Dindigul.
13. Dr.R.Seyezhai, ASSP/EE K.Indumathi (II year M.E(PED) presented a paper titled, "Implementation and Reliability Analysis of Tri-State Interleaved Boost DC-DC Converter",in the E-Conference on Advancements in Science & Technology, organized by PSNA College of Engineering and Technology, Dindigul.
14. Dr.R.Seyezhai, ASSP/EE K.Soundarya (II year M.E(PED) presented a paper titled, "Implementation of Positive Output Quadratic Boost Converter for Photovoltaic Applications",in the E-Conference on Advancements in Science & Technology, organized by PSNA College of Engineering and Technology, Dindigul.

PAPER PRESENTATION

15. Dr.R.Seyezhai, ASSP/EEE ,Vishalini Mariswari, Josh Susinth.J (II Year ECE), Divyashree.D., Divya Bharathi.S (II year EEE, B) presented a paper titled, "Investigation of PV Based Dc-Dc Buck Converter for Wireless Sensor Network Nodes ",in the E-Conference on Advancements in Science & Technology, organized by PSNA College of Engineering and Technology, Dindigul.

16. Dr.R.Seyezhai, ASSP/EE & Dr.M.Tamilarasi(passed out full-time scholar) presented a paper titled, "Design, Analysis And Implementation Of Four Phase Interleaved Boost Converter For Fuel Cells",in the E-Conference on Advancements in Science & Technology, organized by PSNA College of Engineering and Technology, Dindigul.

17. Dr.R.Seyezhai, ASSP/EE & Dr.A.Bharathi Sankar , ASSP/VIT University, Chennai presented a paper titled, "Analysis and Development of SiC MOSFET Boost Converter as Solar PV Pre-regulator",in the E-Conference on Advancements in Science & Technology, organized by PSNA College of Engineering and Technology, Dindigul.

18. Dr.R.Seyezhai, ASSP/EEE , A. Sowmya N. Ramakrishnan S. Purushothaman(III year EEE, B) presented a paper titled, "Design of DC-DC Converter For Electric Vehicle",in the E-Conference on Advancements in Science & Technology, organized by PSNA College of Engineering and Technology, Dindigul.This paper received the BEST PAPER AWARD.

19. VIGNESHWAR.S.T (passed out P.G.Student) and Balaji.M (Associate Professor/EEE) presented a paper on "Performance Investigation On Segmented Rotor Switched Reluctance Motor With Non-Oriented Electrical Steel" in E-conference on Advancements in Science and Technology organised by PSNA college of Engineering and Technology on 22nd June 2020 .

20. Karthika M (P.G.Student) and Balaji.M (Associate Professor/EEE) presented a paper on "Modeling and Simulation of Segmented Rotor Switched Reluctance Motor" in E-conference on Advancements in Science and Technology organised by PSNA college of Engineering and Technology on 22nd June 2020 .

PAPER PRESENTATION

21. Pavendan K T (P.G.Student) and Balaji.M (Associate Professor/EEE) presented a paper on "Performance Evaluation of 6/4 Switched Reluctance Motor" in E-conference on Advancements in Science and Technology organised by PSNA college of Engineering and Technology on 22nd June 2020 .
22. Dr.R.Seyezhai, ASSP/EE & S.Harika , Full-time research scholar presented a paper titled, "Implementation Of Switched-Capacitor Quasi Z-Source Dc-Dc Converter For E-Trike",in the E-Conference on Advancements in Science & Technology, organized by PSNA College of Engineering and Technology, Dindigul. This paper received the BEST PAPER AWARD.
23. Dr.R.Seyezhai, ASSP/EEE , S.Swetha R.Ramya , S.Shanmughapriya (III year EEE, B) presented a paper titled, "Single Phase On-Board Charger For Plug-In Electric Vehicles",in the E-Conference on Advancements in Science & Technology, organized by PSNA College of Engineering and Technology, Dindigul.This paper received the BEST PAPER AWARD.
24. Dr.R.Seyezhai, ASSP/EEE , S.Madhumitha, II Year CSE , R.Sudiksha, II Year EEE, Dr.D.Umarani, AP/EEE & Dr.R.Sujatha, ASSP/Mathematics presented a paper titled, "Reliability Assessment Of Single-Phase Quasi Z-Source Inverter For Photovoltaic Application",in the E-Conference on Advancements in Science & Technology, organized by PSNA College of Engineering and Technology, Dindigul.This paper received the BEST PAPER AWARD.
25. Dr. R. Ramaprabha, Asso.Prof./EEE, N. Abhishek, R. Aswinkumar and G. Balaji, "Effect of Supercapacitors in Standalone Solar PV System", E-Conference on Advancements in Science and Technology - (E-CAST2020), June 22, 2020 conducted by PSNA Engineering College, Dindigul, India presented by UG students through online. Received Best Paper Award.
26. Dr. R. Ramaprabha, Asso.Prof./EEE, M. Aishwarya, N. Divyasri and S. J. Indhra Pooja (UG students), "Solar Powered Compact Dustbin", E-Conference on Advancements in Science and Technology - (E-CAST2020), June 22, 2020 conducted by PSNA Engineering College, Dindigul, India presented by UG students through online.

PAPER PRESENTATION

27. Dr. V. Thiyagarajan, Associate Professor/EEE, has presented the paper titled "Switching Pulse Generation Using Digital Logic Circuit for 7-Level Symmetric Inverter" in the International Conference on "Recent Advances in Mechanical, Civil and Electrical Engineering(ICRAMCE – 2020)" organized by St. Martin's Engineering College, Secunderabad.

28. Dr.N.B. Muthu Selvan, ASSP/EEE Balamurugan S, Akshay K, Ashwin Kumar J, Mohan Prssad S and Muthu Selvan N B, received best paper award for the paper titled "Power Quality Based Performance Analysis of Various Converters for Speed Control of PMDC Motor" presented at National Conference on "Computational Intelligence in Electrical and Electronics Engineering" (NCIEEE -2020) organized Sathyabama Institute of Science and Technology, Chennai, during 18th to 19th May, 2020.

29. K. R. Shanmugha Vadivu, FT-RS/EEE and Dr. R. Ramaprabha ASSP/EEE, "Investigation on Operating Characteristics in Three Level Full Bridge AC-DC Converter using Different Control Strategies for Telecom", Journal of Electrical Engineering and Technology, Springer, (ISSN/eISSN 1975-0102 / 2093-7423), Published online on March 13, 2020. SJR Impact factor 0.26. (DOI: 10.1007/s42835-020-00401-0), Indexed in Scopus & Web of Science (Thomson Reuters).


WEBINAR ORGANISED

Dr. V. Thiyagarajan, Associate Professor/EEE has coordinated the webinar on "Introduction to Automation and Python Programming" organized by SSN College of Engineering in association with GoalMotiv Academy, Chennai on May 05, 2020. The session was handled by Mr. Mohan Sivaraman, Python Developer and Corporate Trainer, GoalMotiv Academy. The program was attended by over 90 students from our college.

SSN COLLEGE OF ENGINEERING
(Kalavakkam, Chennai- 603110)

< WEBINAR >




**INTRODUCTION TO
AUTOMATION AND PYTHON
PROGRAMMING**


Mentor Motivate Mould

FOUNDER
MADHIVANAN.G

SPEAKER
MOHAN SIVARAMAN
(PYTHON DEVELOPER AND CORPORATE TRAINER)

DATE: 2/5/2020 (SATURDAY) TIMING: 5:30 TO 6:30 PM

FACULTY DEVELOPMENT PROGRAMME

on Power Controllers for DC Microgrid

Department of EEE Organized a first online FDP on “Power Converters for DC Microgrid” during June 04-06, 2020. The details are,

Conveners: Dr. V. Kamaraj (Prof. & Head/EEE), Dr. R. Seyezhai, Dr. R. Ramaprabha & Dr. M. Balaji (Asso. Profs./EEE)

Number of Participants: Registered – around 100

The FDP is inaugurated and addressed by Dr. V. Kamaraj

Speakers:

- Day 1/Session I: “DC Microgrid – An Overview” by Dr. R. Ramaprabha, Asso. Prof./EEE
- Day 1/Session II: “High Gain DC-DC Converter Topologies for DC Microgrid” by Dr. R. Seyezhai, Asso. Prof./EEE
- Day 2/Session III: “Overview of Fault Diagnostics in DC Microgrids” by Dr. M. Balaji, Asso. Prof./EEE
- Day 2/Session IV: “Reliability Analysis of Microgrid” by Dr. R. Seyezhai, Asso. Prof./EEE.
- Day 3/Session V: “Multiport Converters for DC Microgrid” by Dr. R. Ramaprabha, Asso. Prof./EEE
- Day 3/Session VI: “Overview of Machine Learning Approaches for Fault Classification in Microgrids” by Dr. M. Balaji, Asso. Prof./EEE.



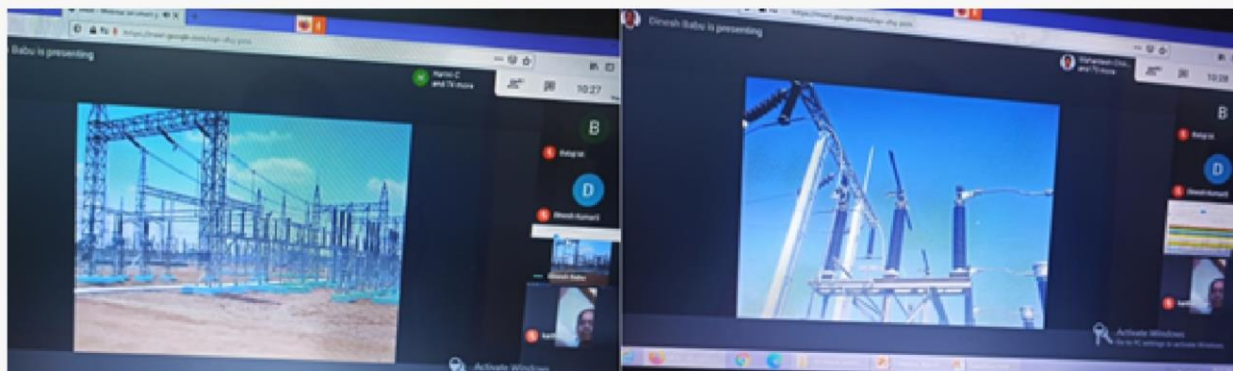
GUEST LECTURE

Dr. R. Ramaprabha, Asso.Prof./EEE and Dr. M. Balaji, Asso.Prof./EEE arranged an invited guest lecture (online mode) on “Awareness about DRDO Labs & Projects” UG & PG (II year EEE) students on 18.06.2020 between 10.00 am to 11.30 am. The lecture is delivered by Shri. S. Madivaanan, Scientist ‘G’, Additional Director (Ret), CVRDE/DRDO, Avadi, Chennai.



WEBINARS ORGANISED

Department of EEE in association with IEEE-PELS, Madras Chapter Organized an online Webinar on “Smart Grid Protection Systems” delivered by Dr. K. N. Dinesh Babu, Application & Product Manager, Megger, Chennai on June 29, 2020. The event is organized by Dr. V. Kamaraj (Prof. & Head/EEE), Dr. R. Seyezhai, Dr. R. Ramaprabha and Dr. M. Balaji, Asso. Profs./EEE. The total registrants are 210.



SHORT TERM TRAINING PROGRAMME

On Advanced Software Tools for Modern Power Systems

The Department of EEE, SSN College of Engineering in association organized a three days National Level online Short Term Training Program On "Advanced Softwares tools for Modern Power System " during June 22-24, 2020.

COORDINATORS:

Dr. N. B. Muthu Selvan
Dr. V. Thiyagarajan

Timing: 02:00 PM to 04:00 PM

Number of Participants: 300

Details of Sessions & Speakers:

Day 1

Expert Lecture on " Design of Photovoltaic system and Power flow in Microgrid " by Dr. N.B. Muthu Selvan, Associate Professor, Dept. of EEE, SSN College of Engineering.

During this session step by step procedure for designing a microgrid with PV module was explained. Initially, the mathematics behind the design of a PV integrated microgrid operating along with the local utility was explained. Later, the installation and usage of Graphical User Interface - Power World Simulator was explained in detail. Power flow and short circuit analysis was performed for developed microgrid.

The concept of import and export of electrical power from/to the utility grid was explained. The effect of fault on the developed microgrid was also analysed using the software.

SHORT TERM TRAINING PROGRAMME

On Advanced Software Tools for Modern Power Systems

Day 2

Expert Lecture on, "Application of PSCAD software in Power System Simulation" by Dr. V. Ravikumar Pandi, Assistant Professor, Dept. of EEE, Amrita Vishwa Vidyapeetham, Amritapuri campus, Kollam.

In this session the resource person explained about how to install the PSCAD software using the demo version. Various power system problems like load flow analysis, fault analysis, transient stability analysis was carried out using the PSCAD software. He also explained about the various industrial standards that are used for these analysis. The resource person compared various features between PSCAD and other Power system simulation softwares like ETAP and EMTD

Day 3

Hands on training - "PSCAD and EMTDC" - by Dr. V. Ravikumar Pandi, Assistant Professor, Dept. of EEE, Amrita Vishwa Vidyapeetham, Amritapuri campus, Kollam.

In this final session Dr.Ravi had a interactive hands on session with the participants of the workshop. A micro grid integrated with PV and Wind generation was analysed for Load flow, fault analysis and transient stability studies. The use of Plot option in PSCAD was well explored. The application of PSCAD for Electromagnetic transients was carried out.

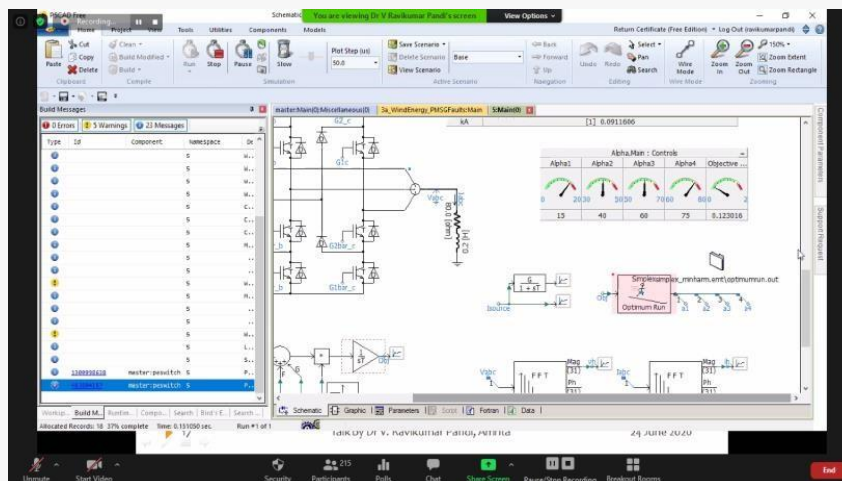


SHORT TERM TRAINING PROGRAMME

On Advanced Software Tools for Modern Power Systems



Day 2: Application of PSCAD software in Power System Simulation



Day 3: Hands on Training on PSCAD and EMTDC



Group Photo - Section of Participants

WEBINAR ORGANISED

Webinar on "Heartfulness Meditation From Stress To Self Realization"

Three Day seminar on "Heartfulness Meditation From Stress To Self Realization" during June 22 - 24, 2020.

Coordinators:

Dr. S. TamilSelvi, Associate Professor, EEE

Dr. R. Rengaraj, Associate Professor, EEE

Dr. V. Thiyagarajan, Associate Professor, EEE

Dr. G. R. Venkatakrishnan, Associate Professor, EEE

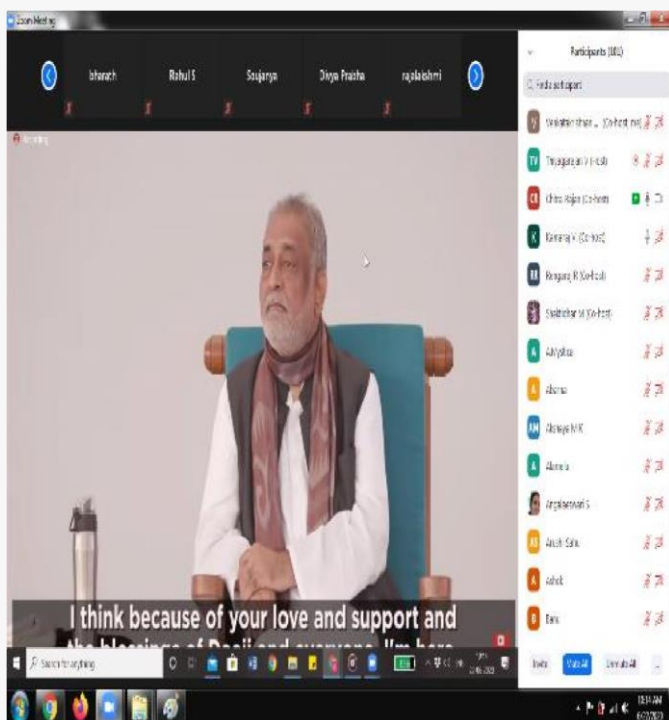
Resource Persons:

Ms. Chitra Rajan, Retired Associate VP, Heartfulness Trainer

Mr. Rejuvenate Sundee, Consultant, Accenture, Heartfulness Trainer

Summary

The Department of Electrical and Electronics Engineering has organized a Three Day Seminar on "Heartfulness Meditation From Stress To Self Realization" during June 22 - 24, 2020. Over 300 participants from various states in India has participated in it. Heartfulness Trainees Ms. . Chitra Rajan and Mr. Rejuvenate Sundee has explained the participants about the necessity of mediation for self realization.



SRI SIVASUBRAMANIAM NADAR COLLEGE OF ENGINEERING
KALAVAKKAM - 603 110
(An Autonomous Institution, Affiliated to Anna University, Chennai)

Department of Electrical and Electronics Engineering
Organizes
Three Day Seminar On
HEARTFULNESS MEDITATION FROM STRESS TO SELF REALIZATION

DATE: June 22-24, 2020
TIME: 10.00 AM – 11.00 AM

Convener
Dr. V. Kamaraj
Professor & Head

Coordinators
Dr. S. Tamilselvi, Associate Professor
Dr. R. Rengaraj, Associate Professor
Dr. V. Thiyagarajan, Associate Professor
Dr. G. R. Venkatakrishnan, Associate Professor

Free Registration
Limited to 200 participants
E-certificate will be provided

REGISTRATION LINK : <https://forms.gle/dtSh5W6sanXHtqw66>

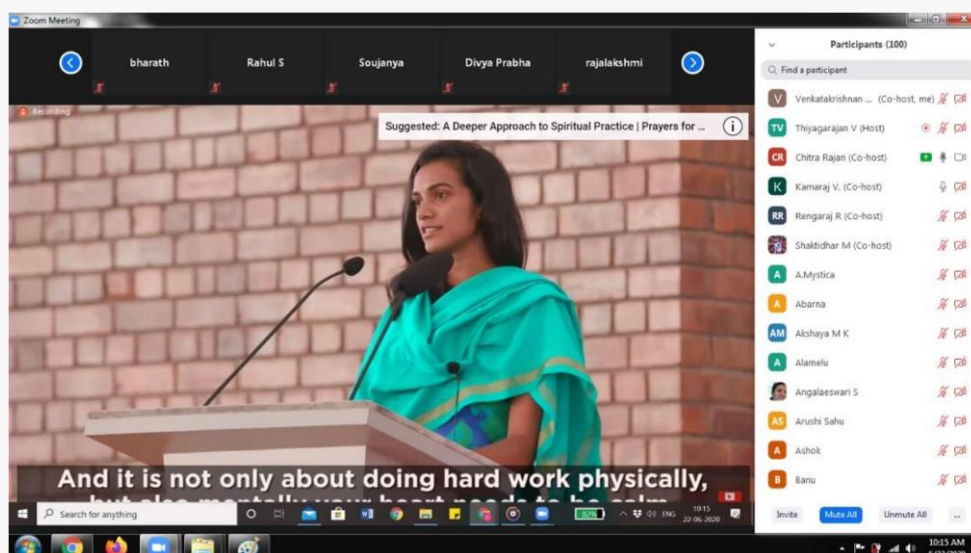
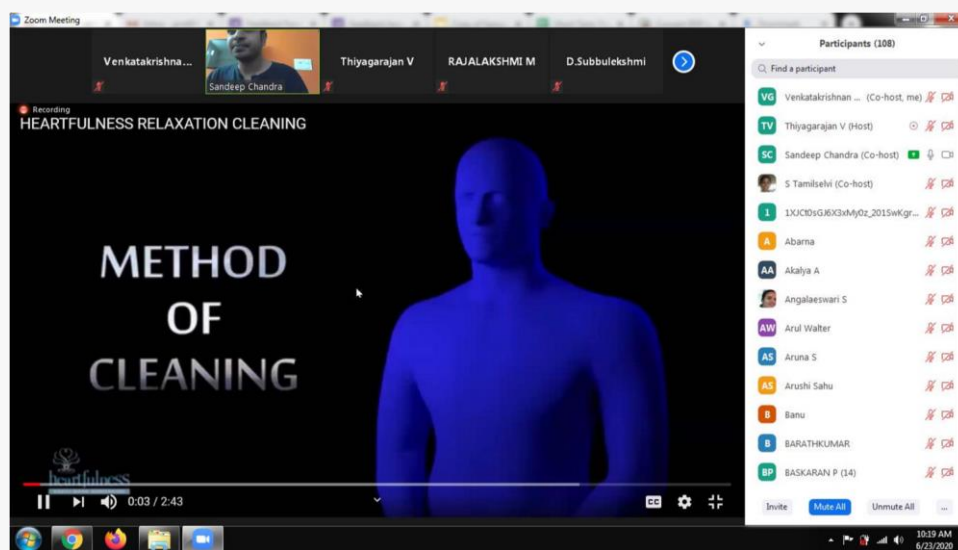
RESOURCE PERSONS


MS CHITRA RAJAN
 Retired Associate VP,
 Software Architecture,
 Heartfulness Trainer


MR REJUVENATE SUNDEEP
 Consultant - Accenture
 Heartfulness Trainer

WEBINAR ORGANISED

Webinar on "Heartfulness Meditation From Stress To Self Realization"



WEBINAR ORGANISED

Webinar on "PLC & CONTROL PANEL DESIGN"

Webinar on "PLC & CONTROL PANEL DESIGN" in association with First Logic Automation during June 8-10, 2020.

Coordinators:

Dr. R. Rengaraj, Associate Professor, EEE

Dr. V. S. Nagarajan, Associate Professor, EEE

Dr. V. Thiyagarajan, Associate Professor, EEE

Dr. G. R. Venkatakrishnan, Associate Professor, EEE

Resource Person:

Mr. Ramesh, First Logic Automation

Summary

The department of Electrical and Electronics Engineering has organized a webinar on " PLC and Control panel design" in association with First Logic Automation during June 8 - 10, 2020 for the final year EEE students. Over 60 students participated in the webinar. Mr. Ramesh, from First logic automation explained the concept of PLC and Control panel design to the students through Zoom software.



ssn

SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING
(AN AUTONOMOUS INSTITUTION, AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

Department of Electrical and Electronics Engineering Organizes

WEBINAR

PLC & CONTROL PANEL DESIGN

IN ASSOCIATE WITH

**FIRSTLOGIC
AUTOMATION**

NO REGISTRATION FEE

E-CERTIFICATE WILL BE PROVIDED

CONVENER
Dr.V.Kamaraj,
Professor, Head EEE

REGISTRATION LINK
<https://forms.gle/kvyH3J4qMe1YNk7t7>

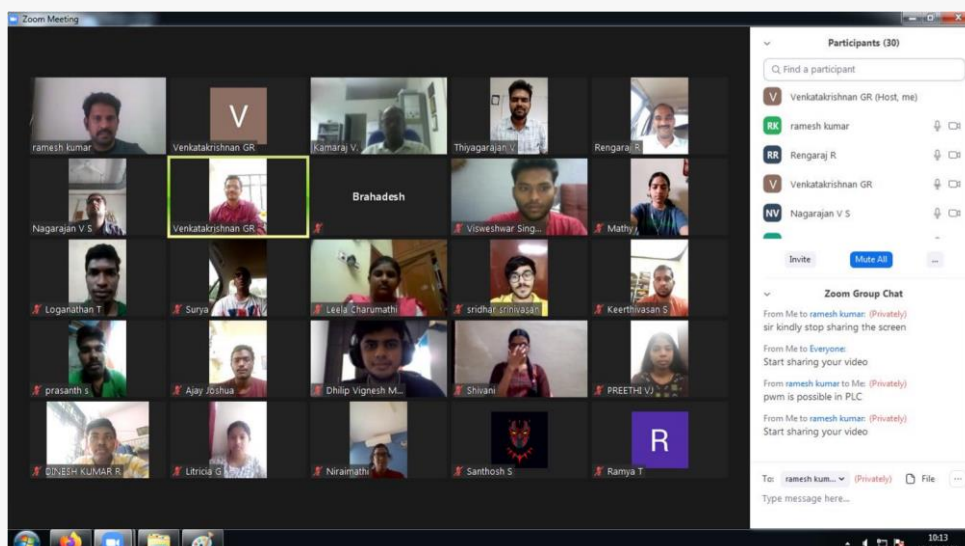
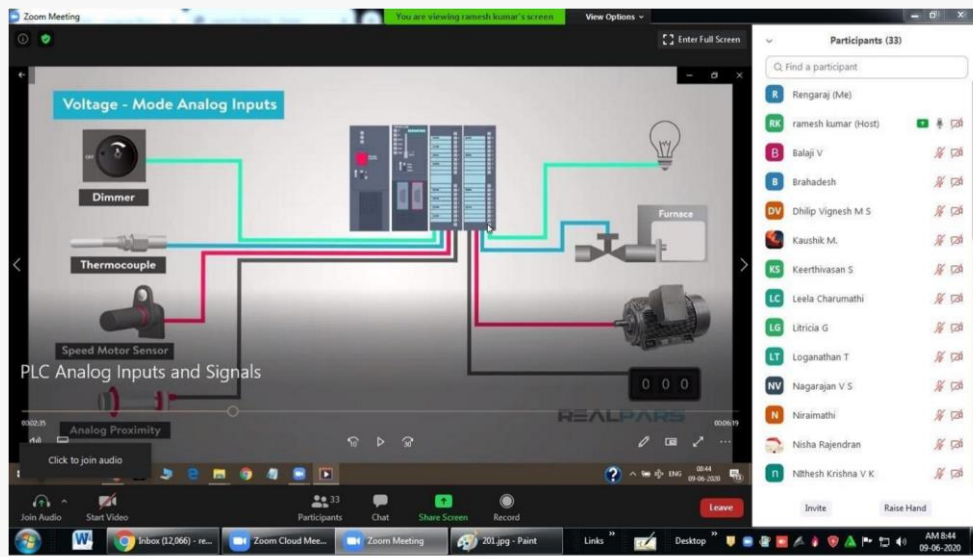
DATE: 8/6/2020 TO 10/6/2020

CO-ORDINATOR
Dr. R. Rengaraj, Associate Professor, EEE
Dr. V. S. Nagarajan, Associate Professor, EEE
Dr. V. Thiyagarajan, Associate Professor, EEE
Dr. G. R. Venkatakrishnan, Associate Professor, EEE

TIMING: 10.00 AM TO 11.30 AM

WEBINAR ORGANISED

Webinar on "PLC & CONTROL PANEL DESIGN"



FACULTY DEVELOPMENT PROGRAMME

On Evolutionary Optimization Techniques

Virtual Faculty Development Programme on " Evolutionary Optimization Techniques " during June 15 - 17, 2020.

Coordinators:

Dr. R. Rengaraj, Associate Professor, EEE

Dr. S. TamilSelvi, Associate Professor, EEE

Dr. V. Thiyagarajan, Associate Professor, EEE

Dr. G. R. Venkatakrishnan, Associate Professor, EEE

Resource Person:

Dr. S. Baskar, Professor and Dean (R&D), TCE, Madurai

Dr. S. Miruna Joe Amali, Professor, KLN College of Engineering, Madurai

Summary

The Department of Electrical and Electronics Engineering organized a Virtual Faculty Development Programme on " Evolutionary Optimization Techniques " during June 15 - 17, 2020. Over 450 participants (Professors, Research Scholars and Students) from various parts of India has participated in the programme. Dr. S. Baskar, Drs. S. Miruna Joe Amali and Dr. S. TamilSelvi have explained the basic concept of Evolutionary algorithms, Real coded Genetic algorithm and Differential evolution algorithm.

Schedule

Day	Time	Topic	Resource Person
15.06.20	9.40 - 10.40 AM	Introduction to Evolutionary Algorithms	Dr. S. Baskar
	10.40 - 11.30 AM	Process behind Real coded GA	Dr. S. TamilSelvi
16.06.20	9.40 - 10.40 AM	Development of MATLAB code for DE algorithm	Dr. S. Miruna Joe Amali
	10.40 - 11.30 AM	Constrained and un-constrained benchmark optimization problems for algorithm validation	
17.06.20	9.40 - 10.40 AM	How to solve real world engineering problem using MATLAB tool box	Dr. S. TamilSelvi
	10.40 - 11.30 AM	Introduction to Multi Objective Evolutionary Algorithms	Dr. S. Baskar

FACULTY DEVELOPMENT PROGRAMME

On Evolutionary Optimization Techniques

SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING

KALAVAKKAM – 603 110

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Department of Electrical and Electronics Engineering

Organizes

Virtual Faculty Development Programme On

EVOLUTIONARY OPTIMIZATION TECHNIQUES

DATE

June 15-17, 2020

TIME

10.00 AM – 11.30 AM

Convener

Dr V. Kamaraj
Professor & Head

Coordinators

Dr R. Rengaraj, Associate Professor

Dr S. Tamilselvi, Associate Professor

Dr V. Thiagarajan, Associate Professor

Dr G. R. Venkatakrishnan, Associate Professor

REGISTRATION LINK: <https://forms.gle/xD4irveah5wn5E577>

RESOURCE PERSONS



Dr S. BASKAR

Professor EEE & Dean (R&D)
Thiagarajar College Of Engineering, Madurai

> Expert in OBE (Outcome Based Education) and MBA

> Recipient of Young Scientists BOYSCAST fellowship

> Tops number 1 in Google Scholar citation index

> Recipient of Gold medal from Journal of institution of engineers and Computer engineering

> Reviewer of

✓ IEEE Transactions on Evolutionary Computation

✓ Soft Computing Engineering optimization



Dr S. MIRUNA JOE AMALI

Professor, CSE
KLN College of Engineering Madurai

Elitist Non-Dominated Sorting GA

- Non-Dominated Sorting
 - Classify the solutions into a number of mutually exclusive equivalent non-dominated sets

$$F = \bigcup_{j=1}^p F_j$$

Elitist Replacement in NSGA-II

- Combine parent and offspring population
- Select better ranking individuals and use crowding
- distance to break the tie

SHORT TERM TRAINING PROGRAMME

ON ADVANCED POWER SYSTEM SIMULATION SOFTWARES

International Level Short Term Training Programme on "Advanced Power System Simulation Software's" in association with Power Projects during June 28 - 27, 2020.

Coordinators:

Dr. V. Thiyagarajan, Associate Professor, EEE
 Dr. G. R. Venkatakrishnan, Associate Professor, EEE
 Dr. R. Rengaraj, Associate Professor, EEE
 Dr. S. TamilSelvi, Associate Professor, EEE

Resource Team from Power Projects:

Mr. S. Selvakumar
 Mr. Balaraman
 Mr. C. R. Amutha
 Mr. A. Siddarthan

Summary

The Department of Electrical and Electronics Engineering has organized an International Short Term Training Programme on " Advanced Power System Simulation Software's" in association with Power Projects during June 25 - 27, 2020. Over 1100 participants from all over the world including Indonesia, USA, UAE, Oman, Nepal, Philippines and Malaysia has participated in it. The different power system simulation softwares covered in this programme are ETAP and DIgSILENT - Power factory. This programme was streamed live in the Youtube Channel. The feedback received from the participants was good. During this programme a Quiz was conducted by Power Projects and the winner of the quiz .

UG Student- Mohan Kumar - B.E(EEE). KPRIET-Coimbatore
 PG Student- Sneha Guchhait - MS in Electrical Engineering- Michigan Technological University-Michigan, USA.
 has received the internship offered by Power Projects.

SHORT TERM TRAINING PROGRAMME

On Advanced Power System Simulation Softwares

SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING

KALAVAKKAM – 603 110

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Department of Electrical and Electronics Engineering

Organizes

Three Day Short Term Training Programme On

ADVANCED POWER SYSTEM SIMULATION SOFTWARES

DATE: June 25-27, 2020

TIME: 09.30 AM – 11.00 AM

SOFTWARE TOOLS

- ☐ ETAP
- ☐ DigSILENT - PowerFactory

Convener

Dr V. Kamaraj
Professor & Head

Coordinators

Dr V. Thiyagarajan, Associate Professor
Dr G. R. Venkatakrishnan, Associate Professor
Dr R. Rengaraj, Associate Professor
Dr S. Tamilselvi, Associate Professor

Email: ssneceworkshop@gmail.com

REGISTRATION LINK : <https://forms.gle/ibDnWZUMCm2yKPUN7>

RESOURCE PERSONS



MR S. SELVAKUMAR



MR BALARAMAN



MS C. R. AMUTHA

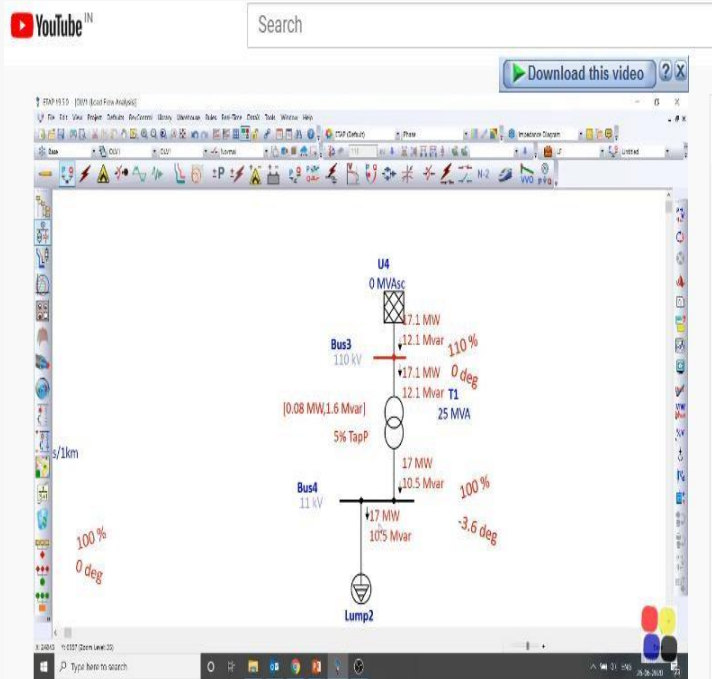


MR A. SIDDARTHAN

Power Projects
Chennai



Power Projects



ADVANCED POWER SYSTEM SIMULATION SOFTWARE - Part 2

375 watching now • Started streaming 40 minutes ago 32 1 SHARE SAVE ...

Inbox (5) - venkatakrishnanr@gmail.com ADVANCED POWER SYSTEM

youtube.com/watch?v=P_ueYe_zu40

Apps Free ebooks for do... Home | Ministry of... Moviespapa | movi... Health & Family W... Seedr Electrical Machines... Electrical Machines... 100 Most Importan...

YouTube Search

List of Power System Simulation Software

- ETAP
- DigSILENT Powerfactory
- CYME
- SKM
- ASPEN
-
- PSCAD
- EMTP-RV

ADVANCED POWER SYSTEM SIMULATION SOFTWARE - Part 1

320 watching now • Started streaming 11 minutes ago 48 0 SHARE SAVE ...

PowerProjects

Top chat

- Amaresh Prusti MiPower
- Ravichandran D TO FIND BUS VOLTAGES
- Amar Kiran good morning everyone
- Geetha Raman real time application with fault is not possible to analyze.
- Hamsa Deepika power system operating and planning
- Shekhar Prasad determine equipment loading rating
- Siva Raj in order to plan our power system...and also for stability of our system
- Kanakaraj P planning
- Vaishya kannan to get the best operating condition of the system
- Aruna K state of the power system
- Aviral Awasthi Good morning everyone
- Venkatakrishnan GR Say something...

9:43 AM 6/25/2020

PLACEMENTS

S. No	Student Name	Company	Job Role	Type	Category	LPA
1	Abinandhan Ravichandran	Capgemini /TCS	Engineer Trainee	IT	Regular	3.8
2	Adithya Pillai R	LTI	GET	IT	Dream	6.5
3	Akshay Kannan	Facilio	Member Tachnical Staff	IT	Dream	7
4	Akshitha Blessy R	Citi Bank	GET	IT	Superdream	13.7
5	Aravind Kumar R	Infosys	System Engineer	IT	Regular	3.6
6	Arshad Mohamed M A	Infosys	System Engineer	IT	Regular	3.6
7	Fathima H	TCS	Engineer Trainee	IT	Regular	3.6
8	Gautham E	Amadeus	Software Engineer	IT	Dream	9.3
9	Heera N	Citi Bank	GET	IT	Superdream	13.7
10	IndraPooja	Hyundai Mobis	GET	IT	Dream	4.5
11	Jaffrin A	Infosys	System Engineer	IT	Regular	3.6
12	Jason Ranjit	Infosys	System Engineer	IT	Regular	3.6
13	Kashyap N	Latentview	GET	Management	Dream	5
14	Keerthika Devi	Infosys	System Engineer	IT	Regular	3.6
15	Kiran Kumar P	Cognizant	Programmer Analyst Trainee	IT	Regular	4
16	Kishor Sabarish G	Infosys	System Engineer	IT	Regular	3.6
17	Komal Krishna	Hyundai Mobis	GET	IT	Dream	4.5
18	Kothapali Nikhil	Latentview	GET	Management	Dream	5

PLACEMENTS

19	Kowsalya P	Infosys	System Engineer	IT	Regular	3.6
20	Kowshik C	BA Continuum India Pvt Ltd	GET	IT	Dream	6
21	Lekhashree Ravichandran	Pick Your Trail	Management Trainee	Management	Dream	4.3
22	Mathangi Srinivasan	Soliton	Project Engineer	Core	Dream	5
23	Mohan Prasad	Infosys	System Engineer	IT	Regular	3.6
24	Nandh Kishore P T	McDermott	GET	Core	Dream	5
25	Harshini M	HCL	Software Engineer	IT	Regular	4.75
26	Akshaya M K	WOOD	Oil and Gas Engineering Design	Core	Dream	4.2
27	Arun.K	DeltaX	Product Analyst	UX Design	Regular	4
28	Balaji G	Spic Ltd.	GET	Core	Dream	2.6
29	Pachaiyammal.R	BA Continuum India Pvt. Ltd	GETs	IT	DREAM	6
30	Patrick A Joseph	TCS	Assistant Software Engineer	IT	REGULAR	3.2
31	Pratyusha Ravi	McKinsey	Junior research analyst	MANAGEMENT	SUPER DREAM	12
32	PRAVEEN A	INFOSYS	System engineer	IT	REGULAR	3.6
33	Praveen C	TCS	System Engineer	IT	REGULAR	3.6

PLACEMENTS

34	Preeti naidu kodidala	Mu sigma	Decision scientist	MANAGEMENT	DREAM	7 but mentioned as 8.3 in campus interaction
35	Prerana Agumbe	McKinsey	Junior research analyst	MANAGEMENT	SUPER DREAM	12
36	Prithivirajan	Infosys	System Engineer Specialist	IT	DREAM	5
37	Raghu R	TCS	Assistant System Engineer	IT	REGULAR	3.6
38	Ritika	Viasat	Software developer	IT	SUPER DREAM	10.88
39	Rohith Kumar K	Accolite Software Pvt	Software Engineer	IT	SUPER DREAM	10
40	Roopini A	Cognizant	Programmer analyst trainee	IT	REGULAR	4
41	SAKTHI GANESH M	Wood	Get	CORE	DREAM	4.2
42	Sanjay S	Transunion	Analyst	IT	DREAM	6
43	Selvaprasanth S	Bank of America continuum	Business analyst, developer	IT	DREAM	6
44	Shaik heena sulthana	Cognizant	Programmer analyst trainee	IT	REGULAR	4
45	Shaik Tasneem	Conde Nast	Not specified	MANAGEMENT	DREAM	7
46	Shanthi priya G	Cognizant	Programmer Analyst Trainee	IT	REGULAR	4
47	Shivani J B	TransUnion Global Technology Centre LLP	Analyst	IT	DREAM	6
48	Shri Hari .K	Cognizant	Programe analyst trainee	IT	REGULAR	4

PLACEMENTS

49	Shruthi Sundar	Freshworks	Presales	MANAGEMENT	DREAM	4.8
50	Subash K	Soliton Technologies	Project Engineer	CORE	DREAM	5
51	Subha S	TechnipFMC	Trainee Engineer	CORE	DREAM	5.8
52	Subhikaran G	Soliton	Project Engineer	CORE	DREAM	5
53	Surya A	Tata consultancy services	System engineer	IT	REGULAR	3.6
54	Vasanthaselvam R	CTS	Gets	IT	REGULAR	4
55	Veena K	TCS	Graduate engineer trainee	IT	REGULAR	3.35
56	Vigneshwaran K J	BA Continuum	Senior technical associate	IT	DREAM	6
57	Vishnu Ajith	MRF	Electrical maintenance	CORE	DREAM	4.8
58	Vishnu Priya.SS	Cognizant	Programmer Analyst trainee	IT	REGULAR	4
59	Vungarala Muni Srinivasa Rohith	Cognizant	Programmer Analyst Trainee	IT	REGULAR	4
60	Tryphena Prabakaran	Tata Elxsi	GET	CORE	DREAM	3.5

STUDENT ARTICLE

A BEGINNER'S GUIDE TO MOOCS

Around the beginning of April, there was a mail from our college saying "You're invited to learn on Coursera!". Coursera gave free access to 3800+ courses for all undergraduate and graduate students with a verified college email id. Recently, it extended the free access option through September 30. Coursera is quite a famous MOOC, but there are more!

What are MOOCs?

MOOC stands for Massive Open Online Course. These are courses that are delivered online and mostly accessible to all for free.

Why MOOCs?

These online platforms give you the chance to learn what you may not be able to from your classrooms. For an EEE student like me, the opportunity to learn Internet of Things (IoT) was made possible because of these platforms. Since the courses have online videos, you can watch them anytime and also replay them whenever you want. You can also put your doubts in the online community where they'll be surely answered. At the end of the course you can earn a certificate, which is more often a paid one. Yet, the knowledge you get is free!

Where to take MOOCs?

There are many famous platforms.

Coursera: There are 5800+ courses available with 3800+ courses accessible freely with an account registered with the college mail id. Courses on various topics like Computer science, languages, humanities, business etc. are available at different levels (beginner, intermediate, Advanced). You can also do projects. You have to write an online exam at the end of the course to get a certificate. You can earn the certificate for free if you are done with the course before September 30.

NPTEL: This is one other famous MOOC organized by IITs. A variety of courses on various engineering topics are available. There are courses either 8 or 12 weeks long. A live session on the course topic will be held after the completion of the 8/12 weeks long course. An offline exam has to be written at the provided test center to get the course certificate.

STUDENT ARTICLE

A BEGINNER'S GUIDE TO MOOCS

Udacity: Provides courses from 900+ universities. Most courses are free but the certificates are paid. There will be no particular deadline given. You can finish the whole course even in 3 days or so if you want to. Udacity also provides paid Nanodegree programs which have real world problems from industries.

You can check out more like: EdX, Future Learn, Udemy etc. Do check the prerequisites before taking up a course.

What courses to learn as an EEE student?

Learning subjects outside the college curriculum will help you in contests/hackathons and also will help you to fetch more job opportunities.

The following are a list of subjects that you can learn:

1. Python (3) (Since most other courses like IoT, even Matlab needs a bit of coding knowledge)
2. Internet of Things (IoT)
3. Machine Learning (ML)
4. MATLAB and SIMULINK
5. PLC SCADA

There are a lot more courses out there which you can do. The above mentioned courses are the beginning for many of them. Once you have the basic knowledge about IoT you can learn to do fun projects with Arduino/Raspberry pi. You can further learn Artificial Intelligence (AI), Deep learning, Data Science, Web development etc. which are closer to Computer Science engineering.

Though not all the mentioned courses are directly connected to the field of EEE, their knowledge helps in doing new hardware projects connected to real world situations. This covid pandemic lockdown has given us the opportunity to learn more and look into the already existing and the future upcoming world.

- HARINI V
2nd year EEE

ALUMNUS' WORDS

EXPERIENCES EARNED!

Forrest Gump was right when he said life's like a box of chocolates and that you will never know what you are going to get. All of us join college and in particular SSN with record high scores. However, the probability of losing that edge is pretty high in college.

You've got tons and tons of distractions, be it symposiums, cultural events or just plain mid-college crisis. Trust me when I tell you that I've been through it all and did fall into the trap which is definitely blissful while you are in it.

Or, you could be doing everything right and still end up with disappointing results which leads to low self-esteem and what not! Do not, ever, make the mistake of valuing yourself over results instead, do it over the effort you put in it. As long as you are learning something new and useful every single day, you should be happy with yourself.

I started off first semester with 8.88 GPA and I can plot a cosine curve with my scores over the next few years and no, it doesn't end up at 1 again. I had the best time in college, all of you should too but you should also know when to get out of it. I got out of it right before placements which was a little too late but somehow, I got lucky. Thanks to my CAT preparations which kept my logical reasoning skills in check which helped me land myself a job in management consulting.

When I got placed, I couldn't stop myself from thinking that studying EEE was in fact not quite useful for the job I got placed in. It took me another year to realize how wrong I was. College was an experience where you make mistakes, learn from it with no consequences whatsoever. It teaches you to learn and to stay curious about everything that is happening around us.

Make use of all the opportunities you get in college, anything that you believe would make you a better person. Don't shy away, people will judge no matter what so you might as well get judged for doing something you love.

ALUMNUS' WORDS

EXPERIENCES EARNED!

Now for all of you who are eyeing a career in management consulting or data science, start reading and never stop. Follow all business channels, stories, talk to people in the field and learn the business. Courses on machine learning or AI will not help you as much as you think it would because this is not an engineering subject which you can crack a day or so before the test.

A typical day in my job involves a lot more research than building models. Models constitute less than 20% of the entire project lifecycle and sure, it is significant but not as much as business context. Spend more time learning statistics, economics and always show intent to learn even when you are working. Train yourself to do something machines can't and become the best at it.

Regardless of which industry you work in, learn to empathize with people and learn to communicate better. Ownership and being a team player are really important when you start working. People will respect you only if you deliver and go above and beyond what is expected out of you.

These are skills you can work on in college itself. For me, working as department magazine editor, organizing start-up expos and other events gave me an opportunity to express my thoughts and ideas and were actually appreciated too. Don't shy away from even something as simple as cold-calling as it helps develop your sales capabilities and you will see yourself improve over time.

Times are uncertain now so be prepared to accept things even if they don't go your way. Take care of your health and more importantly, your mental health. Look out for your friends, family and be kind to one another. Good luck!

-GOMATHY V
(BATCH OF 2019)



EEE

Editorial Team

CHIEF EDITOR

Dr. R Leo

STAFF EDITORIAL TEAM

Dr. M Pandikumar

Dr. K Murugesan

Dr. Mrunal Deshpande

STUDENT CHIEF EDITOR

S Deekshitha

SECOND YEAR

*Harini
Sudhiksha
Tharun Prakash*

THIRD YEAR

*R Niraimathi
Harish Anand
Raksshitha
Vivian Martin*

Design : Ramya R

FOURTH YEAR

*Dinesh
Harshini
Rithika
Vignesh*