



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Accredited by NAAC with 'A' Grade & Accredited by NBA

Thindal, Erode – 638 012

Newsletter

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MESSAGE FROM THE PRINCIPAL

The huge gap between the best and the rest is always decided by two factors-one, the commitment and two, the effort put into realize the commitment. Our institution has a commitment to realize an extraordinary time demand, extraordinary effort and strength. I am elated when I observe that the environment and culture here at VCET has once again proved to be one of the best conducive climates any



higher education institution can ever boast of. Amidst all the challenges, team VCET has mustered strength to improve the profile and standards of its own and the student community's. Right from paper presentations to patent publishing to placement records ,all the data point towards the single truth - the pandemic couldn't dent the enthusiasm of the teachers or the students. Inspired and driven by science, our teachers and students are able to leverage the immense knowledge capital gained over the years for the benefit of the society and their own. Higher education institutions are held accountable for how they utilize academic autonomy, and they claim trust among the community only if they empower students and help them make informed choices. VCET has always been the first choice for so many years and will continue to stay so given its pivotal role in shaping the future of thousands of students. My hearty congratulations and best wishes to my beloved team and student community!

DEPARTMENT OF BIOMEDICAL ENGINEERING

Association Activities:

- Association of BME – BIONIKX, BMESI student chapter and IEEE student branch organized the valedictory function on 04.06.2021. Dr. H. Esther Nalini, Consultant, HOD/Periodontics, KSR Institute of Dental Science & Research, Tiruchengode delivered a Guest Lecture on 'COVID: Facts & Fallacies'.

Students Activities:

Coordination Contest

- The Membership Development Committee of IEEE Madras section and Jeppiar College of Technology jointly organized a Membership Development Activities - Coordination contest on 05.06.2021. T.Sangeetha and S.Preethi (III BME B) secured the third place with cash prize.

DEPARTMENT OF CIVIL ENGINEERING

Valedictory Function:

The valedictory function of RACE was held on 05.06.2021. E.Velliangiri, Final Year Civil Engineering Department presented the annual report for the academic year 2020-21. At the end of the session, prizes were announced for the student achievers in various association activities. Along with that special lecture on



'A Unilateral Approach as Foolproof Methodology to Save the Environment' was given on the Eve of World Environmental Day 2021 by Dr. S. Senthil Kumar, Professor, KSR College of Engineering.

Farewell Day Celebration:

Farewell Function for 2017 - 2021 batch was conducted through online mode on 19.06.2021. Dr. M. Jayaraman, Principal and Prof P. Jayachander, Dean delivered the felicitation address and best outgoing student was announced by Dr. E. Ravi, HoD/Civil. All the students were enthusiastically participated and shared their memories.

Student Activities:

Twenty students from final year (Batch: 2017-2021) were completed the internship training for the period of three months in the construction industry viz: M/s S&S Infratech Pvt Ltd, M/s GMD ventures Pvt limited, M/s Brahma construction, M/s SK Construction, M/s RR Thulasi builders, M/s Amutham Builders in Erode and Tiruppur.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Programs organized:

Value Added Courses

Department of Computer Science and Engineering has conducted a 5-day Value Added Courses on 'User Interface Technologies' and 'PHP Programming' from 03.06.2021 to 07.06.2021. Totally 196 students got benefitted from this course.

Computer Society of India

A webinar 'GUI BOLSTER APPS via PyQt5' is conducted on 10.04.2021 and Ms.Karthika S, Alumni of IT, was the resource person.

A CSI meet was conducted on 14.05.2021 and many CSI members of CSE and IT actively participated and won the prizes.

Association Activities:

The Department of Computer Science and Engineering organized the Valediction of MAGNUMOPUS- Association on 11.06.2021, Friday at 03:00 pm.



Dr.M.Jayaraman, Principal felicitated the gathering. Prof.P.Jayachandar (Dean), presided over the function and spoke about the current scope of IT and placement opportunities in reputed companies. Dr.S.Jabeen Begum, HOD/CSE, welcomed the gathering. The secretary of MAGNUMOPUS Mr.Karthik Nannepamula presented the summary for this academic year 2020-2021 and the Treasurer in charge of MAGNUMOPUS Mr.M.T.Sugan Ram, gave the vote of thanks on behalf of the Association of Computer Science and Engineering.

Placement Activities:

Three students got placed in Infosys limited

One student got placed in Mindtree limited

(A Larsen & Turbo Group Company)

One student got placed in SpringFive Consulting Services

Students Activities:

Paper Presented

- 63 students have presented papers in International and National Conferences.

Students NPTEL

- 26 students successfully completed the course in NPTEL during April 2021

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Programs organized:

Webinar

A webinar on 'Overseas education and Global opportunities' was conducted on 08.05.2021 for third year ECE students.

A webinar on 'PCBA Manufacturing and Integration' was conducted on 14.05.2021 for third year ECE students.

Online Quiz

Online Gate Quiz competition 'Lockdown BUZZERS' was conducted on 25.05.2021 for Second & Third Year ECE students.



Association Activities:

Valedictory Function & Webinar

Valedictory Function & Webinar on 'How to focus on career during Pandemic Time' was conducted on 09.06.2021 for all Faculties and students.

Placement Activities:

- V.Janani Maheswari, J.Muralidharan and J.M.Naveen of final year ECE got placed in Accenture.
- K.S.Danushri of final year ECE got placed in Capgemini drive & Tata Consultancy Services.
- Final year ECE students V.Janani Maheswari and G.Roja got placed in Infosys.
- V.Vigneshraj of final year ECE student got placed in Zoho.
- T.Shaanthini of final year ECE student got shortlisted for internship in Tech mahindra.

Students Activities:

Internship Details

64 Third Year Students have attended 21 day online internship titled " Master class on FPGA" conducted by Pantech solutions, Chennai during 19.04.2021 to 12.05.2021.

DEPARTMENT OF INFORMATION TECHNOLOGY

Association Activities:

A Webinar on 'How to prepare business plan for fundraising' was conducted on 08.05.2021 for the benefit of Second, Third and Final year students.



Association Valedictory function and Guest Lecture on 'Software Quality Assurance' was conducted on 05.06.2021 for the benefit of second Third and Final year students.

Placement-Activities:

- Abirami A, Vijay Gopinath R, Thilak S D of Final year have got placed in Empyra on 20.05.2021.
- S. Gokul Prasath of Third year has got placed in Vuram Technologies on 09.06.2021.

Student activities:

Courses attended

- 32 students attended and completed CPP test organized at Velalar College of Engineering and Technology with course material provided by the spoken tutorial project, IIT Bombay 22.04.2021.

- 8 students attended a training program 'Python 3.4.3 Training' organized at Velalar College of Engineering and Technology on 28.04.2021
- 62 students completed the course 'Python Block chain' conducted by European Open University on 04.06.2021

Workshops attended

- 52 students attended workshop conducted by various institutions.

Webinar

- 32 students attended online webinar conducted by various institutions.

Paper Presented

K. Renuka and J. Sabeela of third year presented a paper on 'Vivasayi Nanban (Agriculture website)' conducted by Computer Society of India on 14.05.2021.

DEPARTMENT OF MECHANICAL ENGINEERING

Association Activities:

Drafting Competition

As a part of curriculum enrichment, an intra-department event "Drafting Competition" was organized on the topic 'Art of Mechanical Engineering' on 30.04.2021 for enhancing the software skills.

Webinar

A webinar on 'Banking as a Career' was organized on 06.05.2021. Mr. V. Devadoss, Chief Trainer, Edufly Staffing Solution, Coimbatore delivered the career opportunities in banking sectors and government industries.

Techno-fun event

An intra-departmental techno fun event called 'Connexions' was organized on 08.05.2021 to the students for enhancing the technical knowledge.



Webinar & Valedictory Function

Organized a webinar on 'Mechanical Engineering – A response to Covid-19 Pandemic' and FAME valedictory function on 07.06.2021. Mr. E. Amalraj, Member – Technical Staff, HCL technologies, Chennai (Renowned Alumni - 2012-2016) delivered current trends in mechanical engineering field and how a mechanical engineer prepare himself for this pandemic situation.

Placement-Activities:

- 45 final year students of batch 2017-21 have attended Virtual Campus recruitment drive -M/s Accenture, Chennai and one student got placed.

Students Activities:

- Final year student S. Anirrudh Shrinaath attended Designing facial recognition app using Python at 'AI For India 1.0' conducted by GUVI on 25.04.2021.
- 5 students attended online webinar conducted by various institutions.
- 3 students attended online workshop conducted by various institutions.

DEPARTMENT OF MEDICAL ELECTRONICS

Association Activities:

Department of Medical Electronics in association with Medieclitix organized a Webinar on "Entrepreneurship Development Phases" on 01.05.2021. Mrs. Kaushigha Entrepreneur, Former RJ at Hello FM, 106.4, Coimbatore inspired and guided students to become a good entrepreneur in future.

Department of Medical Electronics in association with Medieclitix and BMESI organized a Technical Webinar on "Nanotechnology In Medicine" on 04.05.2021. Mrs. M. Saranya Assistant Professor, Mahendra Institute of Technology (Autonomous), Mallasamudram was the resource person. Around 71 students and 9 faculty members participated.

Students Activities:

M. Jeevitha, G. Dharani of second year Medical Electronics have attended webinar on "Overseas Education and global opportunities" conducted by IEEE - EMBS student branch, Velalar College of Engineering and Technology on 15.05.2021.

G. Dharani of second year Medical Electronics has attended webinar on "Future scope in Biomedical engineering" conducted by IEEE- EMBS student branch, Velalar College of Engineering and Technology on 09.05.2021.

DEPARTMENT OF MBA

Workshop

A workshop on "Investors Awareness Program under Bombay Stock Exchange Banner in Association with United Training Services India" was conducted on



13.05.2021. Ms. Rekha Ramanathan, BFSI Trainer, United Training Services India, Mumbai was the resource person.

Webinar

A webinar on "Rise of Digital Marketing and Its Career Opportunities in 2021" was held on 29.05.2021. Shri. C.N. Kirubakar, CEO -Growth Marketing & Digital Marketing Specialist, E-Commerce Automotive Industries, Bengaluru, India was the resource person.

Association valedictory

Association Valedictory function was conducted on 25.06.2021. Shri. Johnson Abraham (MBA Batch: 2005-2007), Senior Officer, Personal Banking Credit Administration, First Abu Dhabi Bank, Dubai was the resource person.

DEPARTMENT OF MATHEMATICS

Association Activities:

Science club - PHENMACH of the department of Science and Humanities organized an Invited talk on "Entrepreneurship in Emerging Economies"



on 10.06.2021 between 2.00 and 3.30 pm for the first year B.E./B.Tech. students. Mr. Logesh Kumar, Administrative Officer, VET Institute of Arts and Science, Erode was the speaker. Dr. M. Eswaramurthi, Dr. Deepa Jananakumar and Dr. K. Rathi were the organizers of the event. Around 325 students participated in the programme and got benefitted.

To trigger the analytical and logical capabilities of the students in Mathematics, online Math Quiz Competition was conducted for First Year B.E/B.Tech Students on 23.06.2021 and 24.06.2021. Ms.R.Thilagavathi, AP(SI.Gr) /Mathematics was the coordinator of the programme. Fine response has been received from the students. E-Certificate was given to the students who secured above 60%.

DEPARTMENT OF PHYSICS

International Yoga Day

Department of Science and Humanities organized a special talk on "YOGA-THE HOLISTIC MANAGER" (Through Online Mode) on 21.06.2021 in view of the International Yoga day celebration.

Thiru. S. D. Chandrasekar, Secretary and Correspondent presided over the function. Dr. M. Eswaramurthi offered welcome speech. Our Principal Dr.M.Jayaraman felicitated the programme.

Mr. T. A. Arumugam, Erode zone Secretary, World Community service centre, explained the importance of yoga in the Pandemic situation, and demonstrated few simple exercises to be practiced everyday to avoid breathing issues. About 120 participants including students and staffs got benefitted through the programme.

Association Activities:

Rotaract Club Activities

Rotaract Club of VCET has organized "ART AND CRAFT WORKSHOP" by Mrs. Usha Nandhini.M B.Com., through Google Meet from 26.05.2021- 28.05.2021.



Red Ribbon Club

RRC of VCET conducted Health awareness seminar on 01.06.2021, through Google Meet.

DEPARTMENT OF ENGLISH

Association Activities:

ENGLISH LITERARY ASSOCIATION & TOASTMASTERS CLUB

English Literary Association conducted Eloquence and Listening competition in the month of May to test the speaking and listening skills of the students.

Nearly 70 students eagerly participated in the event. Mr. Leyander Roach, Senior Programmer Analyst, Zifo RnD Solutions, Chennai delivered a virtual lecture on 'Etiquette for Professional Communication'.



In his lecture, he briefed the importance of communication skills in this competitive world. Toastmasters' Club conducted an event named Micro Events on 27.02.2021, 06.03.2021, 13.03.2021 and 20.03.2021. Online events like Perplexers and riddles-based Quiz were also conducted exclusively for first year students on 31.05.2021. The valedictory function was conducted on 12.06.2021.

CONFERENCE / WORKSHOP / SEMINAR / FDP PROGRAMS ATTENDED BY FACULTY

- 49 programs were attended by faculty members in the department of Bio Medical Engineering
- 21 programs were attended by faculty members in the department of Civil Engineering
- 41 programs were attended by faculty members in the department of Computer Science Engineering
- 36 programs were attended by faculty members in the department of Electronics and Communication Engineering
- 15 programs were attended by faculty members in the department of Electrical and Electronics Engineering
- 26 programs were attended by faculty members in the department of Information Technology
- 85 programs were attended by faculty members in the department of Mechanical Engineering
- 28 programs were attended by faculty members in the department of Medical Electronics
- 10 programs were attended by faculty members in the department of MBA
- 7 programs were attended by faculty members in the department of Maths.
- 3 programs were attended by faculty members in the department of Physics.
- 39 programs were attended by faculty members in the department of Chemistry.
- 16 programs were attended by faculty members in the department of English.

LECTURES / KEY NOTE ADDRESS / NPTEL / CONFERENCE PRESENTED BY FACULTY

Department of Biomedical Engineering

RESOURCE PERSON

Ms.S.Maheswari was the resource person for the Guest Lecture on the topic 'Scope and Challenges in Human Assist Devices' organized by Department of Biomedical Instrumentation Engineering, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 13.05.2021.

Ms.S.Maheswari was the resource person for the training on 'Electronics for Biomedical Engineering' organized by Department of Biomedical Engineering, Sri Ramakrishna Engineering College, Coimbatore from 16.06.2021 to 19.06.2021. She handled a session on the topic 'Amplifier, Oscillator and Rectifier' on 16.06.2021.

CONFERENCE

Dr.N.Jeyashanthi & Dr.P.Ravikumar presented a paper on International Conference on Transformation - A Scientific Novelty in Life science 2021 and presented a paper titled 'Synthesis and Characterization of Nanoparticles for the Development of Analytical Procedure for Diagnostically Important Biomolecules' organized by Mahalashmi Women College for Arts and Science, Chennai from 29.05.2021 to 30.05.2021.

NPTEL CERTIFICATION

Dr.N.Jeyashanthi, Dr.P.Ravikumar, Mr.N.N.Baalakumar has successfully completed the NPTEL online certification (8 weeks) course funded by the ministry of HRD, Govt. of India, IIT Kharagpur on the title 'Bioengineering: An interface with Biology and Medicine' and awarded 'Elite + Silver' certification.

Department of Computer Science and Engineering

Lecture / Key note Address Delivered

- Dr.V.Latha Jothi acted as the chair person in the Virtual International Conference on Green Energy and Smart Technologies in Engineering organized by JP College of Engineering on 24.04.2021

Conference Presented

- Dr.S.Jabeen Begum has presented a paper on 'Virtual Teacher - The New Era of Teaching' in International E-Conference on Recent Developments in Engineering and Technology organized by Dhaanish Ahmed Institute of Technology on 03.04.2021.
- Dr.V.Latha Jothi has presented a paper on 'Predicting Personality of Students using Answers to Open-Ended Interview Questions' in the 10th International Conference on Advanced Science and Engineering Research (ASER-2021) organized by Al-Ameen Engineering College on 16.04.2021.
- Dr.S.Sadesh has presented a paper on 'Scalable Learning for Identifying and Ranking Prevalent news topics using social media factors' in International E-Conference on Recent Developments in Engineering and Technology organized by Dhaanish Ahmed Institute of Technology on 03.04.2021.
- Dr.S.Sadesh has presented a paper on 'Fruit Disease Identification using CNN' in International Conference on Advanced Science and Engineering Research organized by Al-Ameen Engineering College on 16.04.2021.
- Dr.S.Gokulraj has presented a paper titled 'Detecting Sceptical file Relocation and duplication avoidance in the

cloud' in national Conference on AMESHE organized by, Knowledge Institute of Technology-Salem held on 08.05.2021.

- Mr.P.Sukumar, presented a paper in International E-conference on Recent Developments in Engineering & Technology, titled 'An Efficient Security Model for Privacy Enhanced Distributed Data Mining Using Cloud Federation Approach' on 03.04.2021 at Dhaanish Ahmed Institute of Technology.
- Mr.P.Sukumar presented a paper in International Conference on Advanced Science and Engineering Research-2021 titled 'An Efficient Approach for Multi Document Summarization Using LDA and Fuzzy Logic Techniques' on 16.04.2021 at Al-Ameen Engineering College.
- Ms.S.Nithya presented a paper in Seventh National Conference AMESHE-2021 titled 'An Efficient Approach for Load Balancing and Scheduling in Cloud Computing' on 08.05.2021 at Knowledge Institute of Technology.
- Ms.S.Ponni presented a paper on National Conference on Communication and System Design titled 'Two Level QRFIE Code for Private Message Sharing' on 03.04.2021 at PSG Institute of Technology and Applied Research.

NPTEL Certificates

- Dr.V.Latha Jothi, successfully completed the course 'An Introduction to Programming through C++' in NPTEL with Elite + Silver certificate during Jan-April 2021.
- Dr.V.Latha Jothi, successfully completed the course 'Cloud computing' in NPTEL with Elite + Silver certificate during Jan-April 2021.
- Dr.V.Latha Jothi, successfully completed the course 'Introduction to Internet of Things' in NPTEL with Elite + Silver certificate during Jan-April 2021.
- Mr.P.Sukumar, successfully completed the course 'NBA Accreditation and Teaching-Learning in Engineering (NATE)' with Elite + Silver certificate during Jan-April 2021.
- Ms.S.Ponni, Ms.S Vishnupriya, successfully completed the course 'Effective Engineering Teaching In Practice' in NPTEL with Elite certificate during Jan-April 2021.

Department of Electronics and Communication Engineering

Dr.M.Nisha Angeline acted as resource person in a Anna University Sponsored online FDP on 'Digital Logic Circuits, Road map to NBA Accreditation' conducted by Bannari Amman Institute of Technology, Sathyamangalam on 27.05.2021.

Dr.M.Parimala Devi acted as resource person in the Anna University sponsored FDP on 'Asynchronous Sequential Circuits' conducted by Bannari Amman Institute of Technology, Sathyamangalam on 24.05.2021 to 29.05.2021.

Dr.V.Gowrishankar acted as resource person in the Anna University sponsored FDP on 'Programmable Logic Devices' conducted by Bannari Amman Institute of Technology, Sathyamangalam on 27.05.2021.

Conference Presented

The following faculty members presented their paper in the 'International E-Conference on Recent Developments in Engineering and Technology (ICRDET-21)' conducted by Dhaanish Ahmed Institute of Technology, Coimbatore on 03.04.2021.

- Dr. S.Mahendrakumar, 'IoT based Intelligent Industry Monitoring System'.
- Dr.S.Rajan, 'Automatic Fire Detection and Prevention Device in Mining Industry'.
- Ms.S.Pavithra, 'Ripening of Fruit using Colour Sensing'.
- Mr.R.Gopalan, 'Electric Jacket For Women Safety'
- Mr.R.Gopalan, 'Block Chain based Secure Taxation system'
- Mr.N.Karthikeyan, 'Neck movement based wheel chair control to assist the physically challenged people'
- Mr.G.Boopathi Raja, 'IOT based Multi Sensor Integrated Health Monitoring System for Cardiac Patients'
- Ms.T.Sathya, 'Sewage workers Health Monitoring with Alert system using Android Applications'
- Mr.K.K.Pradeep, 'Plant Pathology Detection and Control Using Raspberry PI'
- Mr.K.K.Pradeep, 'Solar Powered Smart Irrigation System using IoT'
- Ms.P.Ragavi, 'Text transmission from mobile to Arduino using LIFI'

Dr.V.Aarthi, presented a paper on 'Wireless Gesture Controlled wheelchair with obstacle detection' in the 'International Virtual Conference on Advances in Communication, Machine Learning, Embedded with Internet of Things (IVCACME-2021)' conducted by Kongu Engineering College, Perundurai on 09.04.21 and 10.04.21.

Dr.V.Aarthi presented a paper on 'Smart Alert and Intimation System for Visually Impaired Person (VIP)' in the 'IEEE sponsored Fifth International Conference on Computing

Methodologies and Communication (ICCMC 2021)' conducted by Surya Engineering College, Erode on 08.04.21 to 10.04.21.

Ms.R.Mohanabarathy presented a paper on 'A Non Image IoT Based Precision Farming in Paddy Field using Artificial Intelligence' in the 'International Conference on Advances in Mechanical Engineering Design (ICAMED 2021)' conducted by SRM Institute of Science and Technology, Chennai on 03.05.21 and 04.05.21.

NPTEL Certificates

Dr.M.Parimala Devi and Mr.G.Boopathi Raja successfully completed 12 week NPTEL course on 'NBA Accreditation and Teaching - Learning in Engineering (NATE)' with 'Elite+Silver Tag' from January 2021 to April 2021.

Dr.S.Mahendra Kumar, Dr.K.SenthilPrakash, Mr.M.Vijayan, Ms.K.Kavitha, Mr.S.Pooranachandran, Ms.T. Sathya, Ms.P. Nandhini, Mr.K.K.Pradeep, Ms.P.Ragavi, Ms.V.Sakthipriya, Ms.M.Shivaranjani, Ms.S.Aiswarya and Ms.M.Ruba successfully completed 12 week NPTEL course on 'NBA Accreditation and Teaching - Learning in Engineering (NATE)' with 'Elite Tag' from January 2021 to April 2021.

Online Courses

Mr.N.Karthikeyan, successfully completed online course 'Arduino' conducted by Spoken Tutorial Project, IIT Bombay on 26.05.2021

Department of Information Technology

Ms. P. Prema presented a paper on 'Determination of Information Dissemination in Social Media using Dynamic Blockchain Algorithms' in an International conference 'Advanced Science and Engineering Research (ASER-2021)', conducted by Al-Ameen Engineering College on 16.04.2021

Ms. T. Nithya presented a paper on 'Location Based Garbage Management System for Smart City' in International e-conference on Advanced Innovation in Techniques on 02.05.2021

Department of Mechanical Engineering

NPTEL Certificate:

Dr. A. Thirumoorthy, Dr. R. Prakash, Mr. M. Gopi, Mr. T.C.R. Dinesh, Mr. S. Arunkumar, Mr. E. Ajaikumar, Mr. L. Arulshankar, Mr. A. T. Navinprasad, completed a twelve week course on 'NBA Accreditation and Teaching - Learning in Engineering (NATE)' during Jan-Apr 2021.

Mr. K. Ramakrishnan, completed a twelve-week course on 'Design Practices' during Jan-Apr 2021.

Department of MBA

Dr.T.Mohanapriya acted as a resource person and delivered a lecture on the topic, 'Teachers as Learners' Organized by Department of Computer Science and Engineering, Malla Reddy Engineering College, Telugana on 12.04.2021.

Dr.T.Mohanapriya acted as a resource person and delivered a lecture on the topic, 'Effects of Financial Innovations on Stock Market Returns' Organized by Department of Commerce, Rathinam College of Arts and Science, Coimbatore on 21.05.2021.

Dr.T.Mohanapriya acted as a resource person and delivered a lecture on the topic, 'Career Opportunities in Capital Markets' Organized by Department of Commerce (CA) & Commerce (Professional Accounting), K.S.Rangasamy College of Arts and Science, Tiruchengode on 17.06.2021.

Department of Mathematics

Dr.K.Rathi provided a talk on "Role of Mathematics in Data Science" in a webinar organized by P.A.College of Engineering and Technology, Pollachi on May 07.05. 2021.

Department of Physics

Dr. N. Thangaraj delivered a Lecture titled "Nano Technology in Satellite Communication" organized by T.E.M.S ERA-WINGS OF AERO on 23.04.2021.

Dr. S.Ranjitha delivered a Lecture titled "Design, Fabrication and Testing of novel cellul ar forms of SMAs" organized by T.E.M.S ERA-WINGS OF AERO on 14.04.2021

Dr. N. Thangaraj delivered a Lecture titled "Crystal Physics" organized by Indra Ganesan College of Engineering, Trichy on 19.06.2021

JOURNAL PUBLICATIONS BY THE FACULTY MEMBERS

Department of Civil Engineering

Dr. E. Ravi and Mr.S.Suresh'An Experimentl study on Geopiles installed in expansive clay', Proceedings Of Indian Geotechnical Conference 2019, InternationalSpringer 2021 ISSN 2366-2557, April 2021.

Department of Computer Science and Engineering

Dr.V.Latha Jothi [2021], 'Epidemic Model Simulation for Corona Pandemic in Tamil Nadu', Annals of the Romanian Society for Cell Biology, Vol. 25, Issue 5, ISSN:1583-6258, IF: 0.90, 0.101 SJR, pp. 3737 - 3747, May 2021

Department of Electronics and Communication Engineering

Dr.S.Rajan, 'Improving the Performance of TCP Flows in Wireless Networks by using TCP Aware Backpressure and AODV Algorithms', Turkish Journal of Computer and Mathematics Education, ISSN: 1309-4653, Vol 12, Issue 10, pp 1952-1957, April 2021.

Dr.S.Rajan, 'Early-Stage Detection Cancer in Breast Using Artificial Intelligence', Revista Geintec-Gestao Inovacao E Tecnologias, ISSN: 2237-0722, Vol 11, Issue 2, pp 2016-2028, April 2021.

Dr.S.Rajan, 'Optimized Warehouse Management of Perishable Goods', Alinteri Journal of Agricultural Sciences, ISSN: 2587-2249, Vol 36, Issue 1, pp 199-203, May 2021.

Dr.V.Aarthi, 'Smart Alert and Intimation System for VIP (Visually Impaired Person)', IEEE Xplore, pp 1284-1289, May 2021.

Mr.P.SenthilKumar, 'Structured Analysis Sparsity Learning and Deep Learning for Image Restoration', Annals of the Romanian Society for Cell Biology, ISSN: 1583-6258, Vol 25, Issue 4, pp 9758-9766, April 2021.

Mr.N.Karthikeyan, 'A Survey on plant disease identification techniques', Annals of the Romanian Society for Cell Biology, ISSN: 1583-6258, Vol 25, Issue 4, pp 12330-12336, April 2021.

Ms.M.Shivaranjani, 'Improving Fairness and Convergence Efficiency of TCP Traffic in Multi-hop Wireless Networks', Springer- Wireless Personal Communications, June 2021.

Ms.C.Santhini, 'Epidemic Model Simulation for Corona Pandemic in Tamil Nadu', Annals of the Romanian Society for Cell Biology, ISSN: 1583-6258, Vol 25, Issue 5, pp 3637-3747, April 2021.

Department of Electrical and Electronics Engineering

Dr.P.Sakthivel, Sleepy keeper style based Low Power VLSI Architecture of a Viterbi Decoder applying for the Wireless LAN Operation sustainability, Analog Integrated Circuits and Signal Processing (Springer), Published on 13.5.2021, DOI: <https://doi.org/10.1007/s10470-021-01875-2>.

Mr.D.Rajkumar, C.Gokul 'Test Scheduling and Test Time Reduction for SOC use Enhanced Firefly Algorithm', in Revue d'Intelligence Artificielle Vol 35, Issue 3, pp 265-271, June 2021.

Mr.K.Vanchinathan, KR.Valluvan, C.Gokul, 'Design methodology and experimental verification of intelligent speed controllers for sensor less permanent magnet Brushless DC motor', International Transactions on Electrical Energy Systems", ISSN no : 2050- 7038, Vol 31, Issue 9, pp 1-20, 17.06.2021.

Department of Mechanical Engineering

Mr.G.Raja, 'Augmenting the performance of photovoltaic cell through surface coating of molybdenum disulphide, Chalcogenide Letters, Vol.18, Issue 4, pp.161-170, April 2021.

Dr. A. Thirumoorthy, 'Investigation on mechanical behavior of coconut coir fiber reinforced composites, Journal of Mineral, Metal and Material Engineering, Vol.7, pp.23-28, June 2021.

Department of MBA

Mr.N.Balachandran, "A Multi Methodological Classification Approach Towards Consumer Perception on Traditional and Modern Packaged Foods From Demographic Perspective", International Journal, UGC GROUP 2 and SCOPUS INDEX Q4 - "Annals of the Romanian Society for Cell Biology" ISSN: 1583-6258, Vol. 25, Issue 4, 2021, Pages. 18482-18493, April 2021

Department of Physics

Devi S, Dr. Deepa Jananakumar 'Structural, optical, and thermal studies of novel nonlinear optical materials- L-Valine doped Guanidine carbonate single crystals', Materials Today: Proceedings, Vol 42, Part 2, pp 1353-1355, April 2021

Kiruthika.P, Dr.N.Thangaraj 'Effect of time and bath temperature on Electrodeposited NiMn magnetic thin films', Materials Today: Proceedings , Vol 42, Part 2, pp 1361-1365, April 2021

Devi S, Dr. Deepa Jananakumar 'L-Valine doped oxalate single crystals for optoelectronic applications', Chinese Journal of Physics, Vol 71, pp 159-167, June 2021

BOOK PUBLICATIONS

Department of Biomedical Engineering

Ms.M.Menaga Devi submitted a book chapter for the book titled 'Brain- Computer Interface: Using Deep Learning Applications' published by Wiley Scrivener publication.

Department of Electronics and Communication Engineering

Dr.M.Nisha Angeline, 'Intelligent Tourniquet System for Emergency AID Using Wireless Network', Advances in Intelligent Systems and Computing, ISBN- 978-981-16-1695-2 and ISBN- 978-981-16-1696-9, June 2021.

Dr. S.Rajan and Dr. M.Kalamani, 'Daily Activity Monitoring for an Unattended Elder and Disabled People', Lambert Academic Publishing, ISBN-13:978-620-3-83974-6 and ISBN-10: 6203839744, April 2021.

Dr. M.Parimala Devi, Ms. T.Sathya, Dr. V.Gowrishankar and Mr. G.Boopathi Raja, 'An Efficient Control Strategy for Prevention and identification of Covid-19 Pandemic Disease', Health Informatics and Technological Solutions for Coronavirus, Taylor and Francis Books India Pvt Ltd, ISBN978-0367704179, April 2021.

RESEARCH ACTIVITIES



Award of PhD:

Mr.R.Prakash has completed Doctoral degree from Anna University, Chennai during April 2021. His area of interest includes Solar PV Thermal, Energy, Heat Transfer and Phase Change Materials.

Patent:

Dr.M.Nisha Angeline Published a Patent on 'Challenges response Authentication mechanism with dynamic questions against blind attacks for cognitive IoT networks' on 02.06.2021. [Reg.No: 24.04.2021 & 2021102178].

Mr.S.Poornachandran, Mr.S.Nachimuthu and Ms.S.Pavithra Published a Patent on 'Smart Child Rescue System from Borewell' on 18.06.2021. [Reg.No: 07.06.2021 & 202141025208].

Mrs.C.Radhika, 'Automated wearable dietary monitoring device and methods of recommending diet thereof' Patent filed on 14.04.2021, Publication date: 23.04.2021 Application no: 202141017316A.

Dr.R.Kumaravelan, published a patent on 'Development of IOT Household Health Safety System', on 02.04.2021. (Patent Application Number:202141012686)

Consultancy/ Testing Activities:

Dr.E.Ravi and Ms.A.Anitha, generated an income of Rs.20,000/- through testing of concrete cubes and bricks.

AWARDS / RECOGNITIONS

Dr.P.Ravikumar has successfully qualified and scored 29.67 marks with 115th rank in GATE Examination organized by Indian Institute of Technology, Bombay on behalf of National Coordination Board, Ministry of Education, Government of India.

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