



Valliammai Engineering College

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VEC NEWS

[Quarterly]

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Valliammai Engineering College, a Member of SRM group of Institutions has come a long way in the realm of education. Today, the focus is not merely on enhancing the computer skills and also areas such as communicative English, Verbal and quantitative methods and interviewing techniques. And we hope that our students will not only be confident of their academic qualifications but also their life skills.

RAVI PACHAMOOTHOO
Chairman
SRM Group of Institutions

Won the First Prize for 'Vizhiyin Mozhi' short film

VEC students Won the First Prize with a Cash Award of One Lakh Rupees from the hands of veteran actress Vidya Balan in Mumbai for their short film 'Vizhiyin Mozhi', in the World's Largest Social Film Movement, 'YES! I am the Change' by 'YES Foundation', the Social Development Arm of YES BANK. The winning team is Mr.Ashwin Kumar, IV year EEE (Director), Mr.Yeshwant Srinivasan, IV year Mech. (Cinemaographer), Mr.Paul Yogesh, III year ECE (Music), Mr.Karthikeyan Mani (Alumnus) (Story), Ms.A.Devapriya, III year CSE, Mr.S.Ram Prasanth, III year ECE, Mr.Ram Krishnan, II year ECE (Actors).



Tamil Mandram

VEC students are active participants of Tamil Mandram, an initiative by SRM University. On the occasion of the birth anniversary of Dr.A.P.J.Abdul Kalam, the Poets' Meet was arranged in which Mr.V.Gunabalan, EIE Department was one of the top ten poems read in the function of book release titled 'Dr.A.P.J.Abdul Kalam-Ever in Our Hearts' by Dr.T.R.Parivendhar, Founder and Chancellor, SRM University on 15th October 2015. Mr.K.Shanmugam, AP/CSE was in the team of editors of the poems. For the effective functioning of the Tamil Mandram, Mr.K.Shanmugam, AP/CSE and Ms.T.Nandini, AP/English are nominated as Staff Coordinators.



The Department of Civil Engineering



Faculty Members at Local Industrial Visit to Nandhivaram Lake

Dr.D.Elango, Prof. & Head attended a workshop on the 'NBA Awareness on Outcome Based Education & Accreditation' organized by Anna University, Chennai on 3rd October 2015.

Ms.G.Geetha, AP & Ms.M.Saranya, AP participated in a Workshop on the 'Traffic Mitigation Management & Control' organized by the Dept of Civil Engineering at SKR Engineering College on 9th Oct. 2015.

M/s Bentley Institute conducted a One day Workshop on the 'Basic Training on STAAD Pro' at Valliammai Engineering College on 26th October 2015 and the following Staff participated. Dr.D.Elango, Professor & Head, Ms.A.Kavitha, AP, Ms.K.A.Kalaiarasi, AP, Ms.K.Suganya Devi, AP, Ms.T.Swedha, AP, Mr.C.Arumugam, AP, Ms.M.Saranya, AP, Ms.R.Anjughap Priya, AP, Mr.N.Vinoth Kumar, AP, Mr.G.R.Iyappan, AP & Mr.A.Sattainathan Sharma, AP.

Faculty Members of the Dept of Civil Engineering went on a one day Local Industrial Visit to Nandhivaram Lake near Guduvancheri on 17th December 2015.

Faculty members of the Dept of Civil Engineering went on a one day Local Industrial Visit to Veeraraghavapuram near Avadi on 23rd December 2015.



Local Industrial Visit to Veeraraghavapuram

The Department of Computer Science and Engineering



Mr.B.Muthusenthil, AP(Sel.G) at the Department of Cyber Security, Kyungil University

Mr.B.Muthusenthil, AP successfully completed one month research internship programme from 15th November 2015 to 14th December 2015 at the Department of Cyber Security, Kyungil University.

Dr. A. Samyurai, and Ms.K. Priyadharshini (PG Student) published a paper on the 'Analysis of Caching Techniques in Mobile Cloud for the Better Quality of User's in the International Journal of Innovative Research in Computer and Communication Engineering, Vol 3, Issue 11, ISSN 2320-9801, October 2015.

Ms. C. Pabitha and Ms. V. Julistephy (PG Student) published a paper on the 'Survey on Text Mining Procedures and Exploring Techniques' in the International Journal of Innovative Research in Computer and Communication Engineering Vol 3, Issue 11, ISSN: 2320-9801, October 2015.

Ms. G. Sangeetha and Ms. D. Keerthika (PG Student) published a paper on 'A Survey on Web Search Engine' in the International Journal of Innovative Research in Computer and Communication Engineering Vol 3, Issue 10, ISSN: 2320-9801, October 2015.

Mr. B. Muthusenthil and Ms. D. Nivetha (PG Student) published a paper on the 'Various Approaches on Security Issues in Cloud - A Review' in the International Journal of Innovative Research in Computer and Communication Engg. Vol.3 Issue 10, ISSN 2320-9801, Oct. 2015.

Ms. A. Lalitha and Ms. S. Charumathy (PG Student) published a paper on the 'De-Duplication on Cloud Survey' in the International Journal of Innovative Research in Computer and Communication Engineering, Vol.3 Issue 10, ISSN 2320-9801, October 2015.

Ms. A. Vidhya and Ms. K. Dhanalakshmi (PG Student) published a paper on the 'Classification of Retinal Vessel Segmentation' in the ARPN Journal of Engg. & Applied Sciences, Vol.10 Issue 10, ISSN 1819-6608, Oct. 2015

Ms. Poornima.N and Ms. Muthulakshmi.D (PG Student) published a paper on the 'Trustworthy Service in the Online Oriented Social Networks' in the International Journal of Innovative Research in Computer and Communication Engineering, Vol.3, Special Issue 8, October 2015.

In the International Conference on 'Electrical, Electronics, Instrumentation and Computer Communication' organized by the Dept. of Electronics and Instrumentation Engineering organized at Karpagam College of Engineering on 18th and 19th December 2015, the following papers were presented.

i) Ms.V.Muthamil Selvi and Ms.R.Shalomi Junofia (PG Students) presented the 'Economic Bulletin for Meeting Point in A Moving Group Via Circular Safe Region'.

ii) Mr. L. Karthikeyan and Mr. M. Prakash (PG Students) presented the 'Detection Algorithm for Density Network Attack in Wireless Coding Systems'.

iii) Ms. D. Kavitha and Ms. S. Hemavathy (PG Students) presented the 'Secured Multikeyword Privacy Prevention Through Blind Storage'.

iv) Dr. M. Senthil Kumar and Ms. M. Sumithra (PG Students) presented the 'Improved and Secured Information Sharing in Emergency Management Using Artificial Intelligence'.

v) Ms. R. Anitha and V. Suganya (PG Students) presented the 'Security of Data in Semi Trusted Third Party for Cloud Environment'.

vi) Ms. V.Prema and R.Vigneshwar (PG Students) presented the 'Reversible data hiding in Images Using Reserve Room Technique Along With Key Modulation'.

Mr. M. Nagarajan and Mr. R. Sankaranarayanan, Programmer participated in the 2 day National Level Workshop on the 'Mobile App Development' on 5th and 6th November 2015 at Jeppiaar Engineering College.

The Department of Electronics and Communication Engineering

Dr.M.Murugan, published a research paper entitled, 'Composites of Nanosized Strongtium Titanate Epoxy Resin as Microwave Absorber', in the 'Journal of Electromagnetic Waves and Applications', (Annexure-I) <http://dx.doi.org/10.1080/09205071.2015.1114907>, Pub.: Taylor & Francis.

Dr.M.Murugan coauthored, 'Multiple Transmit Antenna Selection in MIMO-OSTBC System in Nakagami-m Fading Channel', Elsevier Procedia-Computer Science, vol. 54, pp.558-565, ISSN:1877-0509, 2015. (SCOPUS Indexed).

Mr.V.R.Balaji (Research Scholar/ECE) & Dr.M.Murugan coauthored the paper 'Photonic Crystal Filter to work in DWDM using Ultra Cell Resonant Cavity', and was presented in the Int. Conf. on Control, Instrumentation, Communication & Computational Technologies (ICCICCT-2015), organized by Noorul Islam University, Kumaracoil during 18th and 19th Dec. 2015.

Ms.T.S.Sheriba (Asst. Prof. & Research Scholar/ECE) and Dr.M.Murugan coauthored the paper entitled 'A Review on Frequency Reconfigurable Microstrip Antennas' in i-manager's journal on Wireless Communication Networks, Vol.41, No.21, pp.32-42, 2015.

Dr. S. Ramesh, Associate Professor published a paper on the 'Planar High Gain Dielectric Loaded Exponentially Tapered Slot Antenna for Millimeter Wave Wireless Communications' in Springer-Wireless Personal Communications, Volume 84, Issue 4 (2015), Page 3179-3192. October 2015.

Jasmine.P and Saravanakumar.C published a paper on the 'Route Optimization Technique in Clustered WSNS among Obstacles' in the International Journal of Advanced Engineering and Global Technology (IJAEGT) Volume III, Issue 11, December 2015.

Dr.J.Mohan, Associate Professor participated in the Two Day workshop on the 'Advancements in Biomedical Signal and Image processing' sponsored by the UGC-DRS-II (SAP-II) 2015-2016 and organized by the Dept of Electronics Engineering, MIT Campus, Anna University, Chrompet, and Chennai-600044 during 29.10.2015 & 30.10.2015.

SPORTS



The Principal, Vice Principal & PED along with College Ball Badminton Team

Our College Ball Badminton team won the First place in Anna University Zonal Tournament held at Sri Andal Alagar Engineering College on 12.10.2015 during 2015-16. Our team has been winning the First place consecutively for five years.

ECE Department Faculty members visited Puthiya Thalaimurai (New Generation) TV News Channel as part of the Industrial Visit on 22.12.2015. They gathered information about LIVE Communication among the people, News report preparation, Validation and Broadcasting.

Ms. Indu Nikhil, AP attended the Faculty Development Programme on 'EE6602 Embedded Systems' from 22.12.2015 & 24.12.2015 organized by the dept of Electrical and Electronics Engineering, Rajalakshmi Institute of Technology.

Mr. K.Sanjay, AP participated in a Short Term Course on the 'Advances in VLSI Signal Processing' organized by IIT Kharagpur during 23.12.2015 & 27.12.2015 at Indian Institute of Technology Kharagpur, West Bengal.

The Department of Electrical and Electronics Engineering

Conducted a Two Day Faculty Development Programme on 'EE6404- Measurements and Instrumentation' on 29th and 30th Dec. 2015.



Mr.G.Madhusudan delivering lecture on FDP

Karthik R, Andrea Cavallini and Fabrizio Negri published a paper on 'The Effect of Magnetite, Graphene oxide and Silicone oxide on Dielectric Withstand Characteristics of Mineral oil', IEEE Transactions on Dielectrics and Electrical insulation Vol. 22, Issue 5, pp. 2592-2600, Oct- 2015 (Impact Factor-1.36)

The Department of Electronics and Instrumentation Engineering

Ms.K.Chithra, Dr.Andy Srinivasan, Prof., Ms.V.Vijayalakshmi, A.P, and Ms. A. Asuntha published a paper on the 'Modelling and control of nonlinear multivariable system using optimization techniques' in

National Level Technical Symposium EMERGE'2K15



Release of Souvenir at the National Level Technical Symposium EMERGE'2K15

A National Level Technical Symposium EMERGE'2K15 was organized on 3rd October 2015. Dr.A.Imayakumar, Project Director, Scientist 'F', CVRDE, DRDO was the Chief Guest. The objective of the seminar was to share the research articles related to the emerging new technological developments with engineering experts and to choose the best among them. The presidential address was delivered by Dr.T.P.Ganesan, Director of Valliammai Engineering College and Pro Vice-chancellor of SRM University. Dr.B.Chidhambarajan, Principal and Dr. M.Murugan, Vice Principal felicitated the gathering and congratulated the office bearers for the fruitful attempts to organize the seminar for the fifth consecutive year. The Chief Guest Dr.A.Imayakumar, Project Director, Scientist 'F', CVRDE, DRDO then spoke on "The Recent Advancements in Electrical Engineering" where the focus was on the High voltage Engineering. 50 research articles were received. The best 18 papers were selected and were presented.

the International Journal of Applied Engineering Research vol. 10 (17), pp.12780-12785, Issue No. 0973-4562.

The Dept. of Electronics and Instrumentation Engineering in association with ISA VMEC Student Charter conducted Staff Development Programme for the Programmers and the Lab Assistants on 9th December 2015, on the 'Concepts of Measurements Temperature, Force, Pressure, Flow and Level'.



Ms. K.S.Jaibhavani delivering lecture on the SDP



Staff Members at a visit to Excel Automation Solutions

Ten Faculty members of the Dept. of EIE visited Excel Automation Solutions, Chrompet on 14th December 2015.

The Department of Information Technology

Ms.S.Sandhya, AP participated in a two day Faculty Development Program on the 'Mobile Application Using Android' conducted on 30th & 31st December 2015, by the Dept of Information Technology, SRR Engineering College, Chennai.

Ms.A.R.Revathi, AP participated in an eight day Faculty Development Program on the 'CS 6611 Mobile Application Development Laboratory' conducted on 21st to 28th December 2015, by the Dept of CSE, Anand Institute of Higher Technology, Chennai.

Ms.K.Mohanambal, AP and Ms.R.Shanthi, AP participated in a two day Faculty Development Program on the 'Artificial Intelligence' conducted on 16th & 17th December 2015, by the Dept of CSE, Rajalakshmi Institute of Technology, Chennai.

Ms.R.Shanthi, AP delivered a Guest Lecture on the 'Shell Programming' on 14th December 2015.



A Training Programme on 'UNIX & Shell Programming for Programmers'

A one day Training Programme on 'UNIX & Shell Programming for Programmers' was organized on 14.12.2015

Dr.N.Krishnaraj, AP published a paper on the 'Construction of Minimized Deterministic Finite Automata for Finding the Equal Number of Input Characters' in the International Journal on Applications in Information and Communication Engineering ISSN 2394-6237, Volume No: 1, Issue 11 in November 2015.

Ms.A.R.Revathi, AP published an article on the 'Grid Computing' in the CSI Communication, ISSN 0970-647X, Volume no : 39, Issue no:8 in November 2015.

Ms.A.R.Revathi, AP participated in a two day hands on Training Program on the 'Big Data Analytics' conducted on 30th October & 1st November 2015, by the Dept of Information Technology, MIT Campus, Anna University, Chennai.

Dr.N.Krishnaraj, AP published a paper on the 'Single Substring Based Classification for Nondeterministic Finite Automata' in the International Journal on Applications in Information and Communication Engineering ISSN 2394-6237, Volume No: 1, Issue 10 in October 2015.

Library

Dr.B.Balamurugan, Librarian attended a one day Seminar on Elsevier Connect seminar, organized by the Elsevier (Science Directory) on 04th November 2015 at Chennai.

NPTEL

Our staff and students registered for NPTEL Online Certification Examination for September - October 2015 session by IITs.

- Totally 103 students received the NPTEL Online Certificates for the different courses.
- Our College received the Award for being an active and enthusiastic NPTEL Local Chapter in 2015.
- Dr. M. Anbuezhayan received the Appreciation Award for SPOC in the NPTEL Local Chapter in 2015.
- Totally 11 Faculty members received the Mentor Award in the NPTEL Local Chapter in 2015 ■

OFFICE



'Saraswathi Pooja' was celebrated in the College on 20.10.2015

The Department of Mechanical Engineering

On 24.11.15 a Committee for conferring Research Centre status to the Dept. of Mechanical Engineering visited the Research Centre.

Best NPTEL department Coordinator Award was conferred to Mr. J.P.Ramesh of the dept. by the IITM.

A one day On Hand Training was given to the Teaching Staff by the MTAB industry on the CNC machines on 30.12.15

The Department of Physics



Dr. Bhalchandra A. Kakade, SRM University delivering a lecture on Fuel Cells

A Guest lecture was delivered by Dr. Bhalchandra A. Kakade, AP, Research Institute, SRM University, Chennai on the 'Fuel Cells' on 14th October 2015.

A Seminar was delivered by Dr. D.Indhumathi, Professor in Physics, The Institute of Mathematical Science, Chennai on the 'Neutrino Particles and Applications' on 15th October 2015.

Dr.H.Krishnan participated in the NBA Awareness Workshop on 3rd October, 2015.



Dr.D.Indhumathi, The Institute of Mathematical Science delivering lecture on Neutrino Particles and Applications

Dr.K.Thiruppathi presented a paper on the 'Influence of Magnetic Nano Particles on Bi-Dispersed Magneto Rheological Fluids' and Dr.M.Anbuezhayan presented a paper on the 'Solvothermal Synthesis of ZnO Nanostructures and their Visible Light Photo Catalytic Activity' in the National Conference on Science and Technology for Indigenous development in India (NCST-IDI2015) organized by the Indian Science Congress, Chennai Chapter in association with SRM University, Chennai held on 26-28, November, 2015.

Dr.M.Anbuezhayan presented a paper on the 'Synthesis and Characterization of amine passivated ZnO Nanostructures' in the Third International Workshop on the Advanced Functional Nanomaterials (TIWAN-2015) organized by the Centre for Nanoscience and Technology, Anna University, Chennai, during 16-18, December 2015.

The Department of Chemistry

Dr. L. Devaraj Stephen presented a paper on the 'Approach of Cocrystallisation to improve the solubility and photostability of anti-tubercular pyro drug pyrazinamide' in the National Conference on Science and Technology for the Indigenous Development in India organized by S.R.M. University, during Nov. 26-28, 2015 and received the Best Oral Presentation Award.

Dr. L.D. Stephen attended INVP familiarization workshop on the 'Nanofabrication Technologies' during Dec 16-18 at IIT Bombay, Mumbai.

Dr. L. Devaraj Stephen and Mr. V. Arivalagan co-authored a book viz., Engineering Chemistry-II.

Mr. N. Jayaprakash published a book with ISBN number titled 'Selected Topics on Chemistry' by Laxmi Publications, in October 2015.

Mr. N. Jayaprakash published a paper in an International Journal, Synthesis and Reactivity in Inorganic, Metal-Organic and Nano-Metal Chemistry, 45, 1533-1538, 2015 on the 'Microwave Assisted Rapid Facile Synthesis, Characterization and their Antibacterial Activity of PVP Capped Silver Nanospheres'

Dr. M. Soundararajan published a paper in the International Journal on the 'Removal toxic metal by Chitosan mixed Vermiculite' on 27th November 2015.

Dr. J. Krishnamurthi presented a paper on 'Urea or Thiourea Tagged poly (octadecyl acrylate) gels as fluoride, acetate responsive polymer gels through selective complexation' in the National Conference on Science and Technology for Indigenous Development in India, organized by S.R.M. University, Kattankulathur, during Nov 26-28, 2015.



Dr. P. Kamaraj, SRM University delivers lecture on Nanochemistry

Dr. S. G. Gunasekaran published a paper in the International Journal of Nanoscience on 'Organo Modified Multi-Walled Carbon Nanotube Reinforced Pyridine Core Polybenzoxazine (MWCNT/PBZ) Nanocomposites' on 9th November 2015.

Mr. N. Jayaprakash and Dr. S. G. Gunasekaran jointly organized a Guest Lecture on 'Nanochemistry' on 16th October 2015. Dr. P. Kamaraj, Professor, S.R.M University delivered the lecture.

The Department of English

Eclectic Lingua, English Literary Association organized a series of competitions for the I Year students in the name of Linguathon on 05.10.15. The HoD, Dept of English inaugurated the session. Competitions on Turn a



Prof. N. Lakshmana Perumal delivering lecture in the Seminar organised by Eclectic Lingua. Creative writing and Group discussion were conducted. Ms. J. J. Monica Paul, Head- Dept of Placement and Career Guidance and Mrs. Abhihek David, AP of the same Dept were the Judges for the events. All the winners were appreciated and given certificates and prizes during the Valediction. There was a great response and involvement from the students.

Eclectic Lingua organized a Seminar for the I year students on 'Blog- A Writing Forum to give form to Expressions' for the I year students on 09.10.15. Dr. V. Revathy, HoD, Dept of English, B.S. Abdur Rahman University was the Resource Person. The students were inspired in writing blogs. and rightly motivated for more blog writing.

The second and third session of the Oratorical competitions were held on 6th & 12th Nov. 2015.

The Department of Management Studies

An Industrial visit to the Integral Coach Factory, Ambattur was arranged on 30.10.2015 for the First Year MBA Students. Students were taken through a guided tour around the production area and were explained about the production process.



Faculty Members in an Industrial visit to Parle Agro

Faculty Members of the Dept. of Management Studies went on an Industrial Visit to Parle Agro, Thandalam on 30.12.2015.

The Department of Placement and Career Guidance

On 21st December 2015, 17 students were selected for the Sutherland Global Services Limited.

On 29th October 2015, Mrs. B. Aarthi AP and Mrs.N.Padmavathy, AP conducted Faculty Development Programme on the 'Aptitude Shortcuts and Speed Maths & Soft Skills GD, Resume Building and Interview Skills'.

Mrs. S. R. Preethi AP presented a paper on the Reconfigurable SOC for Impulse Noise Removal in Colour Video in WSN', in the IEEE sponsored online International Conference on Green Engineering and Technologies organized by Karpagam College of Engineering, Coimbatore on 27th November 2015.

NSS



The Principal & Vice Principal along with NSS Volunteers receiving NSS Award from the Vice Chancellor, Anna University for the year 2013-14 & 2014-15

As per the Government of Tamilnadu directive, the 'Youth Awakening Day' in memory of birth day of Bharat Rathna, Dr.A.P.J. Abdul Kalam on 15th October 2015, was celebrated. On this occasion an essay competition on 'Science for Better Health' was conducted and distributed prizes to the winners.

The 'Constitution Day' was celebrated on 26th Nov. 2015 to give awareness about the constitution among the citizens and everyone took the pledge.

EDITORIAL

The Chief Editor : **Dr. B. Chidhambara Rajan**, Principal, VEC
 Editors : **Dr. M. Murugan**, Vice Principal, VEC
Prof. N. Lakshmana Perumal, Head, Dept. of English
Ms. S. Shyamala, Asst. Prof. (O.G), Dept. of English
 Layout & Design : **Mr. T. Elavarasu**, Placement Executive



Mr. S. Parthasarathy, NSS Programme Officer on the Orientation Programme

Mr.S.Parthasarathy, NSS Programme Officer conducted the presentation programme of the NSS on 08.10.2015. He explained the importance of NSS.

Valliammai Engineering College received awards for the following from the Vice-Chancellor of Anna University on 14.10.2015.

1. Best NSS unit,
2. Best NSS Programme Officer and
3. Best NSS Volunteers

As per the Communication of the State Liaison Officer and Direction of Anna University NSS Co-ordinator, NSS Volunteers took part in the flood relief activities at Jawaharlal Nehru Indoor Stadium from morning 9am till 7pm. They were involved in (1) Unloading Relief Materials from the Lorries, (2) Segregating & Packing the materials, (3) Loading the materials to the Trucks, (4) Unloading the material from the Train (Carriage Van) and (5) Distribution of Materials to the flood affected People in various places. All the above works were appreciated personally by the Government Officials, SLO, Anna University Co-Ordinator.

Further, NSS Volunteers took part in the Data entry operation of the flood affected victims' particulars for the distribution of Government of Tamilnadu flood relief fund of Kancheepuram District.



Valliammai Student receiving the Best NSS Volunteer Award