



Velalar College of Engineering and Technology

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

Thindal, Erode - 638 012.

NEWSLETTER

VOLUME 16

APRIL TO JUNE 2016

ISSUE 2

Editorial Board

Chief Patron:

Thiru. S.S. Kandasamy
President / Vellalar Educational Trust

Patron:

Thiru. S.D. Chandrasekar
Secretary & Correspondent

President:

Dr. M. Jayaraman
Principal

Vice Presidents:

Prof. L. Peter Stanley Bebington
Dean (Academics)
Prof. P. Jayachandar
Dean (Student Affairs)
Dr. L.M. Palanivelu
Dean (Placement) & HoD/CSE

Editor-in-Chief:

Dr. P.Navaneetham HoD / MCA

Members:

Dr. S. Mangai, HoD / BME
Dr. K.R. Valluvan, HoD / ECE
Dr. P. Sakthivel, HoD / EEE
Dr. S. Jabeen Begum, HoD / IT
Dr. E. Ravi, HoD / Civil
Dr. R. Kumaravelan, HoD / Mech.
Dr. T. Vetrivel, HoD / MBA
Dr. M. Eswaramurthi, HoD / S&H
Dr. K.R. Ananth, ASP / MCA
Mr. Thomas Mathew Devdan, ASP/English

MESSAGE FROM THE PRINCIPAL

During the last three months, VCET was a beehive of activity as the faculty and the students were involved in numerous curricular, extra-curricular and exam-related activities. The Valedictory functions of multifarious Associations attached to different Departments were rampant as the student office bearers and the coordinating faculty members strove hard to hold the events in a solemn manner and ensured to reward those who excelled in various areas.



A series of FDP was a part of the preparation for the year that lay ahead. I wish to put on record that the vibrancy that is characteristic of VCET was very much visible during this quarter and it offers great hope for the future of our college. My best wishes and thanks to the Management and Staff for placing our college on the path of progress.

AUTONOMOUS COMMITTEE



The Autonomous Status Committee's Visit to VCET lasted from 8th April 2016 to 9th April 2016. Prof. (Dr.) M. P. Poonia, Director of the National Institute of Technical Teacher's Training

& Research, Chandigarh-160 019, was the Chairman of the Visiting Expert Committee. Dr. M. Muralidhar, Principal of Sri Venkateswara University College of Engineering (A), Chittoor-517 127 & Dr. V. Sridhar, Principal PES College of Engineering (A), Mandya-571 401, were Members of the Expert Committee. Dr. P. Vijian, Professor of Mechanical Engineering, Government College of Technology, Coimbatore- 641 013, was the State Govt. Nominee. Dr. S. N. Deepa, Deputy Director, Anna University Regional Office, Coimbatore-641 047, was the Anna University Nominee and Dr. K. Samrajyalakshmi, Joint Secretary, University Grants Commission, New Delhi, was the Coordinating Officer.

DEPARTMENT OF BIOMEDICAL ENGINEERING

ASSOCIATION VALEDICTORY FUNCTION

The Association of Biomedical Engineering (BIONIKX) organized its Valedictory function for the academic year 2015-16 on 05. 04. 2016. Prof. L. Peter Stanley Bebington, Dean (Academics), and Prof. P. Jayachandar, Dean (Student Affairs), offered felicitations. Dr. S. Mangai, HoD/BME, the faculty and the students of the Department were present on the occasion.



SEMINAR



The Dept. of Biomedical Engineering organized a seminar on 'Biomedical Image Processing Using MATLAB and Implementation in Raspberry-Pi' on 29th June, 2016. Mr. K. Moorthi, Product Manager, and Mr. Sathish Kumar, Field Engineer of Enthu Technology Solutions India Pvt. Ltd., Coimbatore, were the resource persons who gave lectures and hands-on-training on the topic. Dr. M. Jayaraman, Principal, felicitated the gathering in the presence of Dr. S. Mangai, HoD/BME, the faculty members and students. Around 75 participants from the Dept of BME and many more from other colleges benefited from this seminar.

STUDENT ACTIVITIES

The team consisting of Ms. S. Chellammal, Ms. R. Jemiema and Mr. Alby Babu of BME Final Year won the First Prize in the National Level Working Model Contest 'PARIKSHA' held on 19.03.2016 at Paavai Engineering College, Namakkal.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

THE VALEDICTORY FUNCTION OF THE ASSOCIATION OF CSE – 'MAGNUMOPUS'

The Valedictory of MAGNUMOPUS, held on 06.04.2016, was chaired by Prof. L. Peter Stanley Bebington, Dean (Academics). Students from the second, the third and the final years attended the event. The winners of the various competitions held during the year 2015-16, such as the Intra-Department Meet, Project Expo and Techie Clump, were awarded fabulous prizes. The final year students handed over the duties and responsibilities held by them to the juniors.

FACULTY DEVELOPMENT PROGRAMME ON GRAPH THEORY AND ITS APPLICATIONS

The Department of CSE organized a Two Day FDP on 'Graph Theory and its Applications' from 25.05.2016 to 26.05.2016. Ms. G. Thamizhendhi, HoD/Math(PG Level), VCW, Dr. P. Shanmuga Sundaram, Professor, and Ms. D. Shanmuga Vadivu, Asst. Prof. (Sr.Gr.), Dept. of Math, VCET, handled the sessions on Graphs, Trees, Permutations, Combinations and Recurrence Relations. Dr. V. Latha Jothi & Ms. S. Kayalvili acted as the coordinators. Around 20 faculty members from colleges all over Tamilnadu participated in this FDP which would cater to the syllabus requirements of Semester VII students.



FACULTY DEVELOPMENT PROGRAMME ON RESOURCE MANAGEMENT TECHNIQUES



The Dept. of CSE organized a two day FDP on 'Resource Management Techniques' on the 2nd and the 3rd of June, 2016. Ms. K. Kanakambika & Ms. K. K. Mythili, Asst. Professors from the Dept. of Mathematics, VCW, and Ms. K. Rathi & Ms. S. Ramya, APs(SI.Gr.) from the Dept. of Maths, VCET, handled the sessions on Linear Programming, Integer Programming, Dynamic Programming, Optimisation Theory and Object Scheduling. Dr. V. Latha Jothi & Ms. S. Kayalvili acted as the Coordinators. 24 faculty members from colleges all over Tamilnadu participated in this Programme which empowered the participants to impart Resource Management concepts to Semester VII students of CSE effectively.

HANDS-ON TRAINING ON MOBILE APP DEVELOPMENT

The Association of CSE - MAGNUMOPUS - conducted a Hands-on Training on 'Mobile App Development Using Android' on 18.5.2016. The session was handled by Mr. K. Arun, Director, Ram Software Engineering Labs, Bengaluru. The faculty and the students who participated found it very useful and relevant.

R&D CONSULTANCY WORK

The Software Development Centre of CSE generated revenue to the tune of Rs.37,000/- by way of consultancy for the project titled 'Automated Order Processing and Sales Management' software for GV Incorporation, Erode.

THE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALEDICTORY FUNCTION

The Dept. of ECE conducted its Valedictory Function on 30. 03. 2016. The Dept. Secretary, Ms. P. Janani, presented the Annual Report in the presence of Prof. L. Peter Stanley Bebington, Dean(Academics), Prof. P. Jayachandar, Dean (Student Affairs), HoD - Dr. K. R. Valluvan and the Association co-ordinators - Mr. K. Senthil Prakash and Mr. S. Mahendra Kumar.



FDP

- ❖ Dr. K. R. Valluvan, HoD/ECE acted as a Resource Person for the seminar on 'Embedded System Design Using ARM Microcontroller' conducted by VCET, Erode, from 02. 06. 2016 to 04. 06. 2016. Six senior professors from the Dept. of ECE attended a seminar on 'Principles of Digital Signal Processing' conducted by KPR Institute of Engineering and Technology, Coimbatore, from 13. 06. 2016 to 19. 06. 2016.
- ❖ Prof. P. Jayachandar of the Dept. of ECE acted as a Resource Person for 'Embedded System Design Using ARM Microcontroller' conducted by VCET, Erode, from 02. 06. 2016 to 04. 06. 2016.
- ❖ Ms. P. Brindha, Mr. P. Senthilkumar, Mr. K. S. Murugesan and Mr. V. Gowrishankar of the Dept. of ECE attended a course for Resource Persons on 'Embedded System Design Using ARM Microcontroller' conducted by VCET, Erode, from 02. 06. 2016 to 04. 06. 2016.
- ❖ Mr. S. Mahendra Kumar, Ms. M. Parimala Devi and Mr. S. Nachimuthu, Sr. Professors of the Dept., attended the Seminar on 'Embedded System Design Using ARM Microcontroller' conducted at VCET from 02. 06. 2016 to 04. 06. 2016.
- ❖ Ms. K. Kavitha, Ms. R. Premalatha, Mr. S. Poorana Chandran and Mr. G. Boopathiraja, Asst. Professors, from the Dept. of ECE were participants in the TEQIP-II sponsored FDP on 'Internet of Things' conducted by TEQIP-II & PSG College of Technology, Coimbatore, from 02. 06. 2016 to 04. 06. 2016.
- ❖ Ms. T. Sathya of the Department was a Resource Person for 'EC6303- Signals and System' conducted by VCET from 01. 06. 2016 to 03. 06. 2016, and Mr. N. Karthikeyan, Asst. Prof., attended the same.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALEDICTORY FUNCTION



The Valedictory Function of the Dept. Association was conducted on 05. 04. 2016. Dr. P. Sakthivel, HoD, welcomed the gathering and it was followed by the Annual Report presented R. Bharanidharan of final EEE. Dr. M. Jayaraman, the Principal, felicitated the gathering. The students were awarded with certificates and cash prizes for the best projects in 'Project Expo' and Inter Departmental Paper Presentation. The office bearers were awarded certificates of appreciation for their volunteering work. The Vote of Thanks was proposed by M. Keerthana of EEE Year IV.

DEPARTMENT OF INFORMATION TECHNOLOGY

VALEDICTORY FUNCTION

The Valedictory Function of the Association of IT was held on 30. 03. 2016. Dr. M. Jayaraman, the Principal, presided over the function. Prof. L. Peter Stanley Bebington, Dean (Academics), and Prof. P. Jayachandar, Dean (Student Affairs), felicitated the gathering and distributed the certificates to the winners of various events.



INAUGURAL FUNCTION



The inauguration of the Department of Information Technology's Student Association, 'INFOAUXANO', was held on 16. 07. 2016. Mr. Harishankar Srinivasan, Consultant Manager, Temenos India Pvt. Ltd, Chennai, was the Chief Guest and he motivated the audience with his talk on the topic 'R U Ready'.

FDPs:

Five senior Professors of the Department attended a 3 day short term training programme on 'Image Processing and Video Analytic' conducted by SNS College of Technology, Coimbatore from 31. 03. 2016 to 02. 04. 2016. Dr. S. Jabeen Begum, HoD, along with three other seniors Professors, attended a seven day Faculty Development and Training Programme on 'CS6503-Theory of Computation' conducted by Hindusthan Institute of Technology, Coimbatore, from 27. 05. 2016 to 02. 06. 2016.

DEPARTMENT OF MECHANICAL ENGINEERING

ASSOCIATION ACTIVITIES

GUEST LECTURE ON APPLICATIONS OF FINITE ELEMENT ANALYSIS

A lecture on 'Applications of Finite Element Analysis' was delivered by Mr. V. Siva Kumar, Associate Professor, Department of Mechanical Engineering, MAM College of Engineering & Technology, Tiruchirappalli on 29. 04. 2016. He dwelt deeply on the basics of static analysis, thermal analysis, fracture analysis & stiffness of materials.

STAFF ACTIVITIES

FDP ORGANIZED



An FDP on 'Dynamics of Machines' was conducted by the Department from the 16th to the 18th of June, 2016. Thirty- four faculty members from Engineering Colleges all over Tamil Nadu participated.

Dr. R. Kumaravelan, HoD, was a resource person for an FDP on 'Dynamics of Machines', conducted by VCET from 16. 06. 2016 to 18. 06. 2016 and thirteen members of the faculty attended the same. Mr. D. Kesavan, Asst. Prof., attended an FDP on 'Autodesk Fusion-360' conducted by Le Meridien, Coimbatore, from 04. 05. 2016. K. Ramakrishnan, Asst. Prof. (Sl. Gr.), attended an FDP on 'Composite Materials and Mechanics' conducted by Karpagam College of Engineering, Coimbatore, from 14. 05. 2016 to 20. 05. 2016.

STUDENT ACTIVITIES

IN-PLANT TRAINING

In-plant training sessions for Year III students were conducted during the period 17. 06. 2016 to 26. 06. 2016 at Agni Steels Private Limited, Erode, at Seshasayee Paper and Boards Limited, Erode; at Sri Lakshmi Honda, Gobi, at Tamilnadu Newsprint and Papers Limited (TNPL), Pugalur, at R. C. Unit, of TNSTC (CBE), Chennimalai Rd, Erode-1, at Ambal Auto, Erode-9, at Southern Railway, Diesel Loco Shed, Erode, and ITI Limited, Bangalore.

ACTIVITY DAY

An intra departmental event was held on 30. 03. 16. Our students participated in events like Paper presentation, CAD Modeling, Quiz, 'Connexions', etc.

VALEDICTORY FUNCTION

The Valedictory function was held on 31. 03. 2016. Mr. E. Amalraj, the Secretary, presented the Annual Report.

DEPARTMENT OF CIVIL ENGINEERING

VALEDICTORY FUNCTION

The valedictory function of the Department Association - 'RACE' was held on 21st March 2016. Dr. M. Jayaraman, the Principal, delivered the felicitation address. Dr. P. D. Arumairaj, Chairman, IGS - Coimbatore Chapter & Head, Division of Geotechnical Engineering, GCT Campus, Coimbatore, delivered the valedictory address. At the end of the session, prizes were distributed to the student achievers.



CONSULTANCY / TESTING ACTIVITIES

S.No	Details of Testing/Consultancy	Income Generated (Rs)	Laboratory	Faculty Incharge (VCET)
1.	Testing of soil samples	20,000/-	Soil Mechanics Lab	Dr.E.Ravi, Prof. & Head, and Mr.C.Karthik, Asst. Prof.,
2.	Consultancy in Structural design and drawings	10,000/-	Structural Design	Dr.E.Ravi, Prof. & Head, and Mr.C.Karthik, Asst. Prof.,
3.	Testing of concrete cubes,Cement Coarse Aggregates & bricks	17,000/-	Concrete Lab	Dr.E.Ravi, Prof. & Head, and Ms.A.Anitha, Asst. Prof.,
4.	Testing of water samples	4,000/-	Environmental Engineering Lab	Dr.E.Ravi, Prof. & Head, and Mr.D.Sakthivel, Asst. Prof.,

Total Income Generated = 51,000/-

DEPARTMENT OF MANAGEMENT STUDIES

WORKSHOP

A workshop on 'Body Language and Etiquette for Job Interview' was organized on 23. 03. 2016. The Chief Guest, Ms. Sreeja Ramachandran, Corporate Trainer, ICBI Academy, Hyderabad, conducted the workshop. She dwelt on interview techniques, facial expressions, hand shake, gesture and posture to students. She also conducted mock interviews for the students in the corporate style.



SEMINAR



The Department organized a seminar on 29. 03. 2016. Ms A. K. Jayanthi, Senior HR Executive, Tata Consultancy Services, Bengaluru, an alumni of VCET, delivered a special lecture on 'Industry's Expectations from MBA Students' for the final year MBA students.

INTRA DEPARTMENT MEET

The Department conducted a One Day Intra Department Meet on 13. 04. 2016 to bring out the hidden talents of the students of the Dept. Both the 1st and the 2nd year MBA students actively participated in events like ADZAP, Business Plan Contest & Paper presentation. Prizes and certificates were distributed to the winners, runners and participants. The overall individual trophy was bagged by Mr. P. S. Karthick of MBA II. The function was graced by our beloved Principal Dr. M. Jayaraman and the Deans.



VALEDICTORY



Dr. M. Jayaraman, Principal, VCET graced the occasion of the Valedictory of VELMA the Association of Management Studies on 21. 04. 2016. Mr. P. S. Karthick, Secretary of VELMA read out the list of student activities. Prizes and Certificates were distributed to the students who participated in various events during the course of the year.

DEPARTMENT OF COMPUTER APPLICATIONS

FDP

Ms. T. K. Kartheeswari attended an FDP on Grid and Cloud Computing at KLN College of Information Technology, Madurai from 11. 05. 16 to 13. 05. 16. she also attended an IETE sponsored FDP at Vellalar College for Women on 'Embedded System Design Using ARM MC' from 02. 06. 16 from 04. 06. 16.

DEPARTMENT OF PHYSICS

DEPARTMENT ACTIVITIES

The Department of Physics conducted a Paper Presentation Competition for Year I BE/BTech students on 08. 03. 2016. 18 teams of students presented their papers and the top scorers were awarded prizes and certificates.

NATIONAL LEVEL SEMINAR

Ms. S. Lavanya Dhevi, AP (Sr. Gr.) & Ms. S. Sathya, AP, attended a National Level Seminar on 'Advances in Physics of Condensed Matter' held on 6th January, 2016, at PKR Arts College for Women, Gobi.

FDP

Ms. S. Devi, AP (Sr. Gr.) (Physics) & Ms. S. Ranjitha AP (Sr. Gr.)/Physics, attended an FDP on 'Effective Communication for New Generation Learners' held on the 12th & the 13th of January, 2016, at VCET, Erode.



PUBLICATIONS BY FACULTY

DEPARTMENT OF BIOMEDICAL ENGINEERING

N. Jeyashanthi, P. Ravikumar & K. S. Kausalya Devi, 'Synthesis and Characterization of Titanium Dioxide and Zinc Dioxide Nano Particles', Asian Journal of Research in Social Sciences and Humanities, Vol. 6, No. 7, pp 886-891, 2016.

N. Jeyashanthi, 'Anti Diabetic Effect of the Aqueous Extract of Cassia Auriculata Flower Powder in Streptozotocin Induced Diabetic Rats', International Journal of Pharma and Biosciences, Vol. 7, No. 3, pp 571-578, 2016.

R. Prabhu & R. Harikumar, 'A Performance Analysis of GA-ELM Classifier in Classification of Abnormality Detection in Electrical Impedance Tomography (EIT) Lung Images', Journal of Scientific & Industrial Research, Vol. 75, pp. 404-411, 2016.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Dr. K. R. Valluvan, 'High Frequency Modelling of Smart Sensor for Precise Power Quality Assessment Using Fuzzy Logic', Journal of Circuits, Systems and Computers, June 2016, Vol. 25, Issue 6, pp1650056-1 to 1650056-16.

Dr. K. Venkatachalam & Mr. V. Gowrishankar, 'Design of Pipelined Architecture at 120nm CMOS Technology using Microwind Software', International Journal of Modern Trends in Engineering and Science, April 2016, Vol. 3, Issue 7, pp.85-8.

Ms. M. Parimaladevi, 'A Survey on the Performance Analysis of 6T SRAM Cell using Novel Devices', South Asian Journal of Engineering and Technology, April 2016, Vol. 2, Issue 18, pp.71-77.

Mr. R. Gopalan, 'MCM Based FIR Filter Architecture for High Performance', South Asian Journal of Engineering and Technology, April 2016, Vol. 2, Issue 21, pp.83-88.

Ms. T. Sathya, Ms. R. Premalatha, Mr. G. Boopathi Raja & Mr. N. Karthikeyan, 'Performance Comparison of Conventional and Fuzzy Logic Controller on Dc Moto', International Journal of Advanced Research in Computer and Communication Engineering, May 2016, Vol. 5, Issue 5, pp.190-196.

Ms. T. Sathya, 'Arduino Based Walking Stick For Visually Impaired', International Journal of Advanced Research Trends in Engg. and Technology, April 2016, Vol. 3, Issue 3, pp.188-191.

Mr.S.Nachimuthu, S.Pooranachandran & B.Sharomena Aarthi, 'Design and Implementation of a Vehicle to Vehicle Communication System Using Wi-Fi Technology', International Research Journal of Engineering and Technology, May 2016.

Ms. K. Indumathi & Ms. M. Nisha Angeline, 'Design and VLSI Implementation of N X N Binary Multiplier using Successive Approximation of (N-1) X (N-1) Binary Multipliers', International Journal of Science and Research (IJSR), March 2016, Vol. 5, Issue 3, pp. 988-992, ISSN 2319-7064.

Ms.T.S.Monisha & Mr.K.Senthilprakash, 'An Optimized Design of High Speed Energy Efficient Carry Skip Adder with Variable Latency Extension', International Journal of Science & Research, March 2016, Vol. 5, Issue 3, pp. 329-333, ISSN 2319-7064.

Ms. P. Divyabharathi & Ms. S. Pavithra, 'Sensor Based Automatic Control System for Surgery Room', International Journal of Science and Research, March 2016, Vol. 5, Issue 3, pp. 1292-1294, ISSN 2319-7064.

Ms. V. M. Sruthikeerthana & Ms. S. Pavithra, 'Design of the Add Multiply Operator using Modified Booth Recorder', International Journal of Science and Research, March 2016, Vol. 5, Issue 3, pp. 1070-1072, ISSN 2319-7064.

Ms. L. Keerthana & Ms. M. Nisha Angeline, 'VLSI Design and FPGA Implementation of N Binary Multiplier Using N-1 Binary Multipliers', International Journal of Science and Research (IJSR), March 2016, Vol. 5, Issue 3, pp. 983-987, ISSN 2319-7064.

Ms. G. Sivabakya, Ms. K. Kavitha & Mr. G. Boopathi Raja, 'Prevention of Hotspot Effects in a Solar Photovoltaic Cell using Fuzzy Logic MPPT', International journal of Engineering Research and Technology (IJERT), March 2016, Vol. 5, Issue.3, pp.232-235, e-ISSN: 2278-0181.

Ms. V. Indumaraghathavalli & Mr. S. Rajan, 'Digital Signal Processing Applications using Multiplier Technique in Fixed Point Arithmetic', International Journal of Science and Research (IJSR), March 2016, Vol. 5, Issue.3, pp.993 - 996, ISSN.2319-7064.

Ms.M.Anusuya & Mr.K.S.Murugesan, 'Design of Desensitized FIR Halfband Filter for Multirate Systems', International Journal of Modern Trends in Engineering and Science, March 2016, Vol 3, Issue 4, pp.32-34, ISSN: 2348-3121.

Ms. N. Kaveri & Mr. P. Senthilkumar, 'An Efficient Architecture of Carry Select Adder Using Logic Formulatio', International Journal of Science and Research, Feb. 2016, Vol. 5, Issue 2, pp.1444-1447, ISSN : 2319-7064.

Ms. P. Brindha, Dr. A. Senthilkumar & S. Nandhini, 'An Enhanced Low Power Architecture for DNA String Matching', South Asian Journal of Engineering and Technology, 2016, Vol. 3, Issue 21, pp. 147-154, ISSN 2454-9614.

Ms. R. Priyanka & Mr. S. Mahendrakumar, 'Arithmetic Model for Array Based Approximate Computing with Multiplier and Squarer Design', International Journal of Modern Trends in Engineering and Science, March 2016, Vol. 3, Issue 4, pp. 19-22, ISSN 2348-3121.

DEPARTMENT OF COMPUTER SCIENCE

Dr.V.Latha Jothi, 'Registration of Latent Fingerprints Based on Orientation Field', International Journal of Advanced Research in Biology Engg. Science and Technology Impact Factor: 5.142, Vol. 2, Special Issue 10, pp 414 – 419, March 2016, ISSN : 2395-695X.

Ms.C.Selvi, 'Efficient Steganography in Encoded Video Streams using Motion Vector Difference', South Asian Journal of Engineering and Technology, Vol. 2 Issue.17, pp 64-66, March 2016, ISSN :2454-9614.

Ms.E.Pradhiba, 'Survey on Tools and Techniques in Big Data Analytics', International Journal of Innovative Research in Engineering Science and Technology, pp.136-141, March 2016 Special Issue, ISSN :2320-981X.

Ms.C.Kotteeswari, 'Survey on Tools and Techniques in Big Data Analytics', International Journal of Innovative Research

in Engineering Science and Technology, pp.136-141, March 2016 Special Issue, ISSN :2320- 981X.

Ms.M.Sindhu, 'Survey on Tools and Techniques in Big Data Analytics', International Journal of Innovative Research in Engineering Science and Technology, pp 136-141, March 2016 Special Issue, ISSN :2320- 981X.

DEPARTMENT OF INFORMATION TECHNOLOGY

V. Kavitha & Dr. B. G. Geetha, 'High Utility Itemset Mining with Influential Cross Selling Items from Transactional Database', International Journal of Advanced Engineering Technology, Vol. 7, Issue. 2, pp. 820-826, April–June, 2016.

R.Menaka, Dr.R.S.D.WahidaBanu & B.Ashadevi, 'Survey on Signed XML Encryption for Multi-Tier Web Services Security', Indian Journal of Science and Technology, Vol.9, Issue.16, pp. 1-10, April–2016.

P.Rajendran, Dr. A. Tamilarasi & R.Mynavathi, 'An Enhanced Classification Approach for Collaborative Email Abstraction based Spam Filtering', International Journal of Innovative and Emerging Research in Engineering(IJIERE), Vol. 3, Issue. 6, pp 70-74, 2016.

R. Mynavathi, Dr. S.Malliga & P. Rajendran, 'Privacy Preserving Secure Classification using Multiplicative Data Perturbation at Multilevel Trust', International Journal of Innovations in Engineering and Technology(IJIET), Vol. 7, Issue. 1, pp 561-565, June -2016.

G. Rajeshkumar & K. R. Valluvan, 'An Energy aware Trust Based Intrusion Detection System with Adaptive Acknowledgement for Wireless Sensor Network', Wireless Personal Communication (WPC), pp 1-15, 4th May 2016.

K.Vijaya, 'Layered Approach for Load Balanced Data Aggregation in Wireless Sensor Networks', International Journal of Inventions in Research, Engineering Science and Technology, Vol. 4, Issue 1, pp. 503-514, March- 2016.

DEPARTMENT OF MANAGEMENT STUDIES

Dr.T.Vetrivel, 'An Empirical Study on Employee Retention with Reference to Private Insurance Companies in Chennai City', International Journal of Recent Research and Applied Studies, Vol. 3, Issue. 4, pp. 44-51, April'2016.

Dr.T.Vetrivel, 'A Comparative Study on Performance of Selected Mutual Funds with Reference to Indian Context', Asian Journal of Research in Social Science and Humanities, Vol.6, Issue.5, pp.96-107, May'2016.

DEPARTMENT OF COMPUTER APPLICATIONS

Mr.K.Tharani, presented a paper titled 'Design and implementation of Automated Detection of Brain Quantitative using INU Corrected Fuzzy C-Means Clustering on web Environment' in International Conference on emerging trends in Science, Engineering and Technology, Nandha College of Technology in March 2016.

Dr.K.R.Ananth has published a paper titled 'Design and implementation of Gaussian, impulse, and mixed Noise removal filtering techniques for MR brain imaging under clustering environment', Global Journal of Pure and Applied Mathematics. ISSN : 0973-1768, March 2016.

Mr.P.Rajendran has published a paper titled 'An Enhanced Classification Approach for Collaborative Email Abstraction based Spam Filtering' in International Journal of innovative and Emerging Research in Engineering. Vol.3, Issue.6, 2016,

ISSN:2394-5494, pp-70 to 74.

Ms.S.Devisuganya has published a paper titled 'Breast Cancer Detection: Framework to Classify Mammograms' in Middle-East Journal of Scientific Research (Techniques and Algorithms in Emerging Technologies). Vol. 24, pp. 573-581, 2016.

DEPARTMENT OF PHYSICS

R. Lavanya Dhevi, AP (Sr. Gr.) (Physics), has presented paper in International Conference on Recent Trends In Material Science and Applications, under the title, 'Preparation And Characterization of Cyanine Dye Coated on the Surface Of Cellulose Triacetate film through DC Glow Discharge Plasma', held on 29th February 2016, at Jamal Mohammed College, Trichy.

S. Ranjitha AP (Sr. Gr.) (Physics), has presented paper in International Conference on Recent Trends In Material Science and Applications, under the title, 'Synthesis and Characterization of ZrO₂ and TiO₂-ZrO₂ Mixed Electrode for Efficient Dye sensitized Solar Cell Photovoltaic Properties', held on 29th February 2016, at Jamal Mohammed College, Trichy.

CONFERENCE/LECTURES/SEMINARS/KEYNOTE ADDRESS DELIVERED BY FACULTY MEMBERS IN OTHER & HOST INSTITUTIONS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ms. N. Jayanthi, 'Sensor Task Reassignment in WSN using Bio-Inspired Algorithm', in International Conference on Electrical, Electronics & Computer Engineering, ISBN: 978-93-81830-95-6, 22nd & 23rd March 2016.

Dr. V. Latha Jothi, 'Registration of Latent Fingerprints using Orientation Field', International Conference on Global Innovations in Computing Technology, Jay Shriram Group of Institutions, 4th & 5th March 2016.

Ms. S. Kayalvili, 'Wireless Mesh Network based Corporate Network Design' International Conference on Electrical, Electronics & Computer Science Engineering, Vivekanandha College of Engineering for Women, Namakkal, 22th & 23th March 2016.

Ms. R. Kavitha, 'Adaptive GMM for Multiple Objects Tracking with Occlusion Handling', International Conference on Global Innovations in Computing Technology, Jay Shriram Group of Institutions, 4th & 5th March 2016.

Mr. S. Sadesh, 'Frequent Pattern Generation in Association Rule Mining using Weighted Support', 2nd National Conference on Technological Advancements in Engineering, Sree Narayana Guru College of Engineering and Technology, 17th & 18th March 2016.

Ms. M. Sakthi Meena, 'Blocking Mobile Application Device using Context Based Access Control System', Second National Conference on Technological Advancements in Engineering, Sree Narayana Guru College of Engineering and Technology, Kerala, 17th & 18th March 2016.

Ms. C. Aarthi, 'QRCode Based Secured Messaging System Using Key Distribution Scheme', Second National Conference on Technological Advancements in Engineering, Sree Narayana Guru College of Engineering and Technology, Kerala, 17th & 18th March 2016.

Ms. M. Sindhu, 'Effective Trust Computation Model for

Wireless Sensor Networks', Second National Conference on Technological Advancements in Engineering, Sree Narayana Guru College of Engineering and Technology, Kerala, 17th & 18th March 2016.

Ms. K. Mohana Priya, 'Energy Efficient Multi Hop Clustering Based Data Collection with Mobile Sink in Wireless Sensor Network', Second National Conference on Technological Advancements in Engineering, Sree Narayana Guru College of Engineering and Technology, Kerala, 17th & 18th March 2016.

Ms.S.Savitha Karpagam, 'Dual Security by Sharing Images using Visual Cryptography and Steganography', Second National Conference on Technological Advancements in Engineering, Sree Narayana Guru College of Engineering and Technology, Kerala, 17th & 18th March 2016.

DEPARTMENT OF INFORMATION TECHNOLOGY

Mr. G. Rajesh Kumar, AP (Sl. Gr.) / IT presented a paper titled 'Robust Approach to Generate Location Based Service Recommendations in Social Media' in the International conference on Advances in Bio Technology, Civil & Mechanical Science conducted at Selvam College of Technology on 17. 03. 2016.

Ms. V. Kavitha, AP (Sl. Gr.) / IT presented a paper titled 'Utility List Based Algorithm to Maintain the Discovered HUI for Transaction Modification' in the International Conference on Emerging Trends in Science, Engineering & Technology conducted at Nandha College of Technology on 04. 03. 2016.

Ms. S. Viveka, AP (Sr. Gr.) / IT presented a paper titled 'Review on Clinical Data Mining With Psychiatric Adverse Drug Reaction' in the IEEE World Conference on Futuristic Trends in Research and Innovation for Social Welfare conducted at Karpagam College of Engineering on 29. 02. 2016.

Ms. K. Vijaya, AP (Sr. Gr.) / IT presented a paper titled 'Layered Approach for Load Balanced Data Aggregation in Wireless Sensor Networks' in the International Conference on Emerging Trends in Science, Engineering & Technology conducted at Nandha College of Technology on 04. 03. 2016.

Ms.P.Usha, AP(Sr. Gr.) /IT presented a paper titled 'Comparative Study on a Novel Approach on Opportunistic Concurrency: An SINR Based Routing of Wireless sensor Networks' in the International Conference on Advances in Bio Technology, Civil & Mechanical Science conducted at Selvam College Of Technology, Namakkal on 17. 03. 2016.

Ms. S. Suganya, AP / IT presented a paper titled 'A Private FP Growth Algorithm for Mining Frequent Item Set' in the International Conference on Advances in Bio Technology, Civil & Mechanical Science conducted at Selvam College of Technology, Namakkal on 17. 03. 2016.

V. Kavitha & Dr. B.G. Geetha have presented a paper entitled 'Review on Variant Algorithms of High Utility Itemset Mining' in the CAASR Second International Conference on Innovative

Engineering and Technologies conducted at Kuala Lumpur, Malaysia on 5th and 6th June, 2016.

DEPARTMENT OF CHEMISTRY

T. H. Vignesh Kumar, N. Krishnaveni, R. Suganya, P. Maheswari, S. Malathi and M. Umayavalli, presented a paper entitled 'The Synthesis and Characterization of Bio-reduced Ag Doped ZnO Nanoparticles by Microwave Assisted Solution Composition Method and its Application to Degradation of Tirupur Dye Industrial Effluent Under Visible Light' in the International Conference on 'Recent Advances in Analytical Sciences', from the 7th to the 9th of April 2016, by the Department of Chemistry & Indian Society of Analytical Scientists, IIT (Banaras Hindu University), Varanasi.

S. V. Elangovan, V. Chandramohan, N. Sivakumar and S. N. Santhalakshmi, presented a paper entitled 'Synthesis and Characterization of Zinc Oxide Nano Crystals and Applications to Antimicrobial Activity', in the National Conference held on 17. 02. 2016, at Nandha Arts and Science College, Erode.

S. V. Elangovan, V. Chandramohan, N. Sivakumar, T. S. Senthil, presented a paper entitled 'Kinetic Studies on Photocatalytic Degradation of Wastewater Containing Acid Blue113 by Using Nano-sized ZnO Catalysts' in the International Conference on Energy, Environment and Engineering from Feb 29th to 2nd March 2016, at CIT, Coimbatore.

WORKSHOP/ SEMINAR/ FACULTY ENABLEMENT PROGRAM

DEPARTMENT OF PHYSICS

Dr. N. Thangaraj, ASP/Physics, attended a workshop on 'Teaching and Learning through Google Drive and Blogs' held on 6th January, 2016, at VCET, Erode.

DEPARTMENT OF INFORMATION TECHNOLOGY

Ms. R. Menaka, ASP & Ms. R. Maheshwari, AP (Sr. Gr.) of the Department of IT attended a two day national workshop on 'Grid and Cloud Computing Laboratory' conducted by KSR Institute of Engineering and Technology from 17. 06. 2016 to 18. 06. 2016.

BOOK PUBLICATION



Dr. L. M. Palanivelu, PhD (HoD), Ms. C. Kotteeswari M.Tech, AP(Sr.Gr.) and Ms. E.Pradhiba M.E., AP(Sr.Gr.) of Computer Science and Engineering have written a

book on 'Resource Management Techniques' published by Charulatha Publications. This book is a useful handout with required details from all references covering the syllabus of B.E Computer Science and Engineering of Anna University, Chennai and Semester VII of Regulation 2013 with a question bank.

Velalar College of Engineering and Technology

Thindal, Erode - 638 012, Tamilnadu.

Phone: 0424 2244201, 2244202, 2244203, 2244204, 2244206 Fax: 0424 2244205

Email: principal@velalarengg.ac.in, velalarengg@rediffmail.com

Web: www.velalarengg.ac.in