INTERNATIONAL CONFERENCES

1. **Dr.S.Selvamuthukumaran**, Director, Department of Computer Applications (2013) presented a paper on “A Clinical Study of Normalization Algorithms in Face Recognition” in International Conference on Intelligent Systems and Control organized by Karpagam College of Engineering, Coimbatore on 4\textsuperscript{th} and 5\textsuperscript{th} January 2013.

2. **Dr.T.Ramkumar** Professor, Department of Computer Applications (2013) presented a paper on “Intelligent personalized Web based Recommendation system” in International Conference on Research and Development Prospects on Engineering and Technology organized by E.G.S.Pillay Engineering College, Tamilnadu on 29\textsuperscript{th} and 30\textsuperscript{th} March 2013.

3. **M. Varatharajulu**, Assistant Professor, Department of Mechanical (2013), presented a paper on "Design of Fluid Piston Compressor for Replacing Middle Ground Compressor", in the International Conference on "Recent Trends in Mechanical Engineering" (NCRTME 13), organized by Viralimalai on March 2013.

4. **Mr.S.Senthilrajan** Assistant Professor, Department of Mechanical (2013), presented a paper on, “Mechanical and Visio Elastic Behaviour of Hybrid Composite ”, in the International Conference on AMDM 2013 organized by Abdhur Rahman University, Chennai, on 17\textsuperscript{th} April 2013.


NATIONAL CONFERENCES


11. **Dr.R.Irene Hepzibah Professor**, Department of Science and Humanities (2013) and **Mrs.S.Uma**, Ms.M. Umamaheswari Assistant Professor, Department of Science and Humanities (2013) has participated Mathematical Modeling & Jamal Mohamed Arts and Science College, Trichy on 15th March 2013.

12. **Mr.K.Rajaraman, Mrs.A.Banumathy**, Assistant Professor, Department of Science and Humanities (2013) has participated NSOMSM-2013 & ADM College for Women (Auto.), Nagapattinam on 3rd June 2013.

**INTERNATIONAL JOURNALS**


4. **Mr.M.Alexander Muthurengan** Assistant Professor, Department of Computer Applications (2013) published a paper on “Mathematical Analysis Of Retail Product Rating Using Data Mining Techniques” in International Journal of Computational Engineering and Research IJCER (Online) Spl.Issue, Pages 06-09, ISSN- 2250-3005, May-2013.


15 Dr. R. Irene Hepzibah, Professor, Department of Science and Humanities (2013) published a paper on “Mathematical Analysis of Retail Product Rating Using Data Mining Techniques” International Journal of Computational Engineering Research (IJCER), May 2013, Manuscript id: 34390-B, ISSN :2250-3005.


17 Mrs. V. Vijaya, Assistant Professor, Department of Science and Humanities (2013) published a paper on “A study on exponential fuzzy number using alpha cuts”, International Journal of Applied Operational Research, Vol.3, No.2 March 2013, ISSN: 2251-6867.

18 Mr. R. Subash, Assistant Professor, Department of Science and Humanities (2013) published a paper on “Star partial ordering of k-normal matrices”, Asian Journal of Current Engineering & Maths, vol.2 (1) pp 65-68, ISSN:2277-4920.

19 Mr. R. Subash, Assistant Professor, Department of Science and Humanities (2013) published a paper on “Improved next to next minimum penalty method for transportation problem”, International Journal of Scientific Research, Vol2 (1), ISSN:2277-8179.


23 Dr. S. Mullainathan Associate Professor, Department of Science and Humanities (2013) published a paper on “Environmental and technical aspects in the utilisation of rock residue as a raw material for ceramic Product” IEEE – International Conference on

24. Dr.S.Mullainathan Associate Professor, Mrs. V. Vanathi Assistant Professor

NATIONAL JOURNALS


Faculty attended FDP / SEMINAR / WORKSHOP / GUEST LECTURES / CONFERENCES

1. Mrs.K.Krishnakumari, Associate Professor of CSE, attended a Two Weeks Workshop on “Database Management Systems” conducted by Indian Institute of technology, Bombay from 21.05.13 to 31.05.13.

2. Ms.L.Srisubha, Mrs.V.Padmavathi, Mrs.M.Kavitha and Ms.E.Srividhyabharathi, Assistant Professors of CSE, attended a Two weeks FDP on “Eco-Technology and Green Computing in IT” Sponsored by AICTE, Newdelhi conducted by A.V.C.College of Engineering from 15.05.13 to 29.05.13.

3. Ms.M.Parvathi, R.Ramya & D.Sendilvadivu, Assistant Professors of CSE, attended a FDP on “Data Warehousing and Mining” Sponsored by Center for Faculty Development, Anna University, Chennai conducted by A.V.C College of Engineering from 03.06.13 to 09.06.13.

4. Mr.K.Tamilselvan & Mr.K.Balu, Assistant Professors of CSE, attended a FDP on “CS2032 – Data Warehousing and Data Mining” Sponsored by Center for Faculty Development, Anna University, Chennai conducted by University College of Engineering, Pattukottai from 24.06.13 to 30.06.13.

5. Mr.K.Tamilselvan & Mr.K.Balu, Assistant Professors of CSE has attended a FDP on “CS2302 – Computer Networks” Sponsored by Center for Faculty Development, Anna
University, Chennai conducted by University College of Engineering, BIT Campus, Trichy from 30.05.13 to 05.06.13.

6. **Ms.R.Ramya**, Assistant Professor of CSE attended a One day National level Workshop on “Effective Research in Computer Technology” Conducted by Bharathiyar College of Engineering and Technology, Karaikal on 16.02.2013.

7. **Ms.R.Ramya**, Assistant Professor of CSE attended a One day Workshop on “Recent Trends in Software Engineering” Conducted by Periyar Maniammai University, Vallam, Tanjore on 16.02.2013.

8. **Mr.N.Rajganesh**, Assistant Professor(Sl.Gr) of IT, attended a Springer Sponsored one day Workshop “How to write and get your research published”, organized by Anna University, Chennai, on 29th January 2013.

9. **Mrs.B.Muthulakshmi & Mr.N.Rajganesh**, Assistant Professor(Sl.Gr), **Mrs.K.Aruna and Ms.R.Vaishnavai**, Assistant Professors of IT, have participated in a National Level Workshop on “Effective Research in Computer Technology” conducted by Bharathiyar College of Engineering & Technology, Karaikal on 16th February 2013.

10. **Prof.G.Pradeep**, Head, IT & **Mr.N.Rajganesh**, Assistant Professor(Sl.Gr), of IT, attended UGC Sponsored Short term course on “Research Methodology, Techniques of writing research articles and thesis preparation”, organized by Anna University, Chennai, on 2nd March 2013.


12. **Dr.S.Selvamuthukumaran**, Director, Department of Computer Applications attended IEEE sponsored Intelligent Systems and Control (ISCO), 2013 7th International Conference from 04th Jan 2013 to 5th Jan 2013.

13. **Dr.T.Ramkumar** Professor,Department of Computer Applications attended FDT “Cloud Infrastructure and Services” Organized by ICT Academy –Tamil Nadu- Chennai at Velammal College of Engineering and Technology, Madurai from 25th Feb to 1st March 2013.
1. Department of Computer Applications Organized a one day alumni invited talk on “Job Opening for .NET Technologies” on 17.01.2013 by Ms.G.Rekha MCA Software Developer NewWplatform Technologies(P) Ltd Chennai as a resource person and delivered the lecture.

2. Department of Computer Applications Organized a one day alumni guest lecture on “Job Openings for Scripts” on 09.03.2013 by Mr. R. Surya Narayanan MCA, Script Writer, Intel Paradise, Bangalore acted as a resource person and delivered the lecture.

3. Department of Computer Applications Organized a one day workshop on “Software Modeling using Argo UML” on 10.04.2013 by Dr. T.Ramkumar Professor acted as a resource person and delivered the lecture 94 students were participated.

4. Department of EEE organized a guest lecture on “Control Systems & its Applications” on 21.01.2013. Dr.N.Jaya Associate Professor, Dept. of EEE, Annamalai University acted as a resource person and delivered the lecture.

5. Department of EEE organized a one day Workshop on “Digital Controller for Special Machines & Drives Applications” on 13.03.2013 sponsored by Department of EEE and M/S Power Lab Instruments Chennai. Dr. N.RadhaKrishnan, Associate Professor,
Department of EEE and **Dr. G. Sakthivel**, Associate Professor, Department of E&I, acted as resource persons and delivered the lecture.

6. “Applications of SAP in Finance & Engineering” was organized for B.Tech IT students on 11.03.2013. **Mr. K. Balamurugan, M.B.A.**, Asst, officer, Ultratech cement Ltd., Ariyalur has acted as a resource person.

7. **Mr. B. Vinoth (2010 B.Tech IT)**, presently working as Software Engineer in TATA Consultancy Services Ltd., Chennai conducted “**Master Mind’13- Technical Competition**” on every Saturdays to the students of pre-final year and second year students of Information Technology. The winners and participants of the series were honored by our Principal in the valedictory function held on **17.04.2013**.
AICTE Sponsored Faculty Development Programme.

- **Prof.G.Pradeep**, Head of Information Technology received the FDP grant from AICTE. The grant worth is **Rs.6 Lakhs**.

  The FDP was organized on the theme “Eco Technology and Green Computing in IT” during 15th – 29th May 2013. Mr. Madhavan Srinivasan, CEO, G-Quotient Systems (P) Ltd, Chennai was the chief guest and inaugurated the FDP. **Dr.C.Loganathan**, Principal, A.V.C College of Engineering had given the presidential address and released the Course materials to the participants. **Mr. Sabarinathan Muthu**, Executive Officer – Business / Tech, 4S Solutions, Coimbatore and **Mr.M.Eswaran**, Sr.Technical consultant, 4S Software SolutionS, **Coimbatore**, **Dr.K.Somasundaram**, **Director-CSE** Jaya Engineering College,Chennai, **Dr.R.Sriram**, Professor – CSE, B.S.Abdur Rahman University, Chennai ,**Mr.Senthilkumar Muthusamy**, Corporate Trainer, **Dr.A.Kangaianmal**, Government Arts college (Autonomous), Salem **Mr.P.Manikantan**, IBM, Chennai. DR.B.Ramadoss, NIT, Trichy have given the invited talk during the sessions.

  On 29.05.2013, Er. J.Manikandan, Chairman & Secretary i/c, A.V.C Institutions, has given the valedictory address and distributed the certificates to the participants.
Anna University Sponsored Seven Days FDTP

- Dr. S. Selvamuthukumaran, Director and Dr. T. Ramkumar, professor, Department of computer applications received the FDTP grant from Centre for Faculty Development Anna University, Chennai. The grant worth is Rs. 80,000.
- Seven days FDTP on “Data warehousing and Data mining “from 03rd June to 09th June 2013 Organized by Department of Computer Applications, A.V.C. College of Engineering.

- Dr. R. Bhaskaran, Assoc. Prof, AU – Chennai, Dr. Latha Parthiban, Asst. Professor – PU, Pondicherry, Dr. R. Srinivasan, Professor (Retd), Dr. S. Hariharan, Associate Professor & Head, TRP Engineering College, Mr. Parthasarathy, Asst. Professor – TRPEC, N. Udaykumar, Business Analyst – CTS, Chennai, Dr. S. Selvamuthukumaran, Professor & Director, CA, AVCCE, Dr. T. Ramkumar, Professor – AVCCE are acted as resource person for the FDTP.
CONSULTANCY WORK:

1. Mr. J. Eugene I Pradeepkumar did a consulting work for Majestic Mahindra regarding Exploration of tractor buyers and users in Mayiladuthurai Taluk during the month of Jan 2013.

2. Mr. J. Swaminathan did a consulting work for Majestic Mahindra in the 03 days Mega Service Camp for Majestic Motors with 20 Students at Mayiladuthurai during the month of Jan 2013.

MARKETING CLUB ACTIVITY

Simulation Games:
A Two Days National Level Seminar on the concept of Basic Education -BRAINY 2013 was organized by the Department of Science and Humanities, AVCCE, during 15-16 March 2013. The entire programme was coordinated by Dr.R.Irene Hepzibah & Dr.T.Hemalatha of our Department.

Department Of Software Engineering & It [Pg] Organized a Guest Lecture on 27th July 2012, Mr.D.Ravindran, Assoc.Prof, St.Joseph College, Trichy, acted as Resource Person and delivered the lecture on “Virtual Reality and Distributed Computing”.

Department Of Software Engineering Organized a Guest Lecture on 24th August 2012, Mr.B.Senthirajamanohar HOD, Dept of CA, Sudharsan Engg College, Pudukottai, acted as Resource Person and delivered the lecture on “Enjoyable Programming”
Department Of Software Engineering Organized a Guest Lecture on 22\textsuperscript{th} February 2013, Mrs.R.Vijayalakshmi, Assistant Professor, HOD, Dept of Computer Applications, Krishnasamy College of engineering & Technology, Cuddalore, acted as Resource Person and delivered the lecture on “\textbf{Android and its Applications}”

Department Of Software Engineering Organized a Alumni Guest Lecture on 2\textsuperscript{nd} July 2013, Mr.R.Vinoth, Assistant Professor, Department of Computer Science and Engineering, Starline Engineering College, Ayyampet has acted as a Resource person and delivered the lecture on “\textbf{Placements and its awareness}”

Department Of Software Engineering Organized a Department R&D on 11\textsuperscript{th} March 2013, Mrs.N.Kanimozhi, Assistant Professor, M.Sc Programme Delivered the lecture on “\textbf{SOA Architecture & Web Services}” Under the banner of R&D.
Faculty Members Acted As Resource Person

1. **Mrs.K.Krishnakumari**, Associate Professor of CSE, delivered a guest lecture on “Theory of Computations” at Angalamman College of Engineering, Trichy on 13.08.13.

2. **Dr.R.Chinnayan**, Associate Professor of IT, has delivered a guest lecture on “Recent Trend in IT” at Vivekanandha Arts & Science College, Sirkali on 21st February 2013.

3. **Mr.N.Rajganesh**, Assistant Professor (Sl. Gr) of IT has delivered a guest lecture on “XML & Web Services”, at OXFORD Engineering College, Tiruchirappalli on 23rd February 2013.

4. **Dr.T.Ramkumar**, Professor, Department of Computer Applications has delivered a lecture on “Classification Algorithms” in Anna University Sponsored Seven days FDTP “Data warehousing and Data Mining” on 06.06.2013. Organized by Department of Computer Applications, A.V.C.College of Engineering.

R & D Activities

**TNSCST PROJECT**

1. T.Durga, A.Dharani, B.Jayanthi & S.Sowmiya of IV CSE had received a **TNSCST Project fund of Rs.10000** and completed the project on 31.05.13 under the guidance of **Mrs.K.Krishnakumari** of CSE.

2. **TamilNadu State Council for Science and Technology** sanctioned **Rs.10000** for the Student project “Smart Card EB System” done by S.Dhanvarshini of Final year IT, guided by **Prof.G.Pradeep** of Information Technology.

3. **TamilNadu State Council for Science and Technology** sanctioned **Rs.7500** for the Student project “E-grievance and Redressal system” done by R.Arunkumar and P.Harikrishnan of Final year IT, guided by **Dr.R.Chinnaiyan** of Information Technology.

Students Symposium: Paper Presentation

1. G.Iswarya of IV CSE had participated in the event named Multimedia Presentation in a Symposium conducted by Assalam College of Engineering, Kumbakonam on 04.02.13 and won the “**III PRIZE**”.
2. M.P.Asmita of IV CSE had presented a paper entitled “Visual Cryptography” in a Symposium conducted by Assalam College of Engineering, Kumbakonam on 04.02.13 and won the “I PRIZE”.

3. B.Saranya & M.RihanaFairose of III CSE had presented a paper entitled “Artificial Intelligence” in a Symposium conducted by Assalam College of Engineering, Kumbakonam on 04.02.13 and won the “II PRIZE”.

4. B.Saranya & M.RihanaFairose of III CSE had presented a paper entitled “Artificial Intelligence” in a Symposium conducted by Annai College of Engineering, Kumbakonam on 09.02.13 and won the “III PRIZE”.

5. B.Kalaipriya & T.Bharathi of III CSE had presented a paper entitled “Cloud Computing” in a Symposium conducted by E.G.S.Pillai College of Engineering, Nagapattinam on 15.03.13 and won the “I PRIZE”.

6. V.Sridevi of Third year IT won the Third prize in the Multimedia event held at Assalam College of Engineering & Technology, Thirumangakudi on 04.02.2013.

Technical Event

Workshop Attended

1. 36 students of II CSE attended a workshop on “Recent trends in Software Engineering” conducted by Periyar Maniammai University, Vallam, Tanjore on 25.01.13.

2. 2 students of IV CSE attended a workshop on “NPTEL” conducted by Indra Ganesan College of Engineering, Trichy on 28.01.13.

3. 3 students of II CSE attended a workshop on “LINUX” conducted by Madras Institute of Technology, Chennai on 16.02.13.

4. V.Soorya, T.Kalaivanan of II year IT students won the zonal round and participated in the National round of Indo-US Robo League 2013 conducted by Technophilia Systems and Robotics and Computer Applications Institute of USA, held at IIT Bombay on 16th March 2013.


of second year IT had attended “Recent trends in Software Engineering” workshop held at Periyar Maniammai University, Tanjore on 25.01.2013.

7. R. Udayalakshmi, A. Rathnadevi, C. Priyanga & S. Priya of third year IT had attended “NoSQL” workshop held as a part of Kurushetra at CEG, Anna University, Chennai on 01.02.2013 & 02.02.2013.

8. A. Meena, P. Jeenath nisha, G. Karthiga, S. Priyanka, A. Selvakumari, J. Kanimozhi, T. Sindhumangani & S. Vinodha of third year IT had attended in one day technical workshop on “Open source software” held at Bharathiyar College of Engineering and Technology, Karaikal on 02.03.2013.

9. 19 students of second year MCA had attended in one day technical workshop on “Open source software” held at Bharathiyar College of Engineering and Technology, Karaikal on 02.03.2013.

10. G. Vasanth, K. Tamilarasan of First Year of MCA had attended in one day workshop on Android Application Development and Job Opportunities held at Bharathiyar College of Engineering and Technology, Karaikal on 16.03.2013.

11. 15 students of MCA has participated in “CYNOSURE’13” held at Bharathiyar College of Engineering and Technology, Karaikal from 21.03.2013 to 23.03.2015.

12. R. Anu preethika, S. Sujatha & R. Dhivya of third year IT had participated “Photography, System Verilog, Virtualization VMWare” workshops held at IIT Madras, on 02.03.2013 & 03.03.2013.

13. A. Annapoorani, of third year IT, participated workshop in “Android Application Development” held at MIT, Chennai, on 02.03.2013.

14. R. S. Sivaranjani & V. Sripriya of second year IT students had attended the workshop on “BOSS COMMUNITY LINUX” for Engineering and technical applications by CDAC” held at MIT, Chennai on 16.02.2013.

15. 60 students of final year IT had presented their papers in National and International Conferences at various Institutions.

Cultural and Fine Arts

S. Bhuvaneswari of IV CSE had participated in the cultural event conducted by Annai group of Institutions, Kumbakonam on 12.02.13 and won the “I PRIZE”.
International Women’s Day was celebrated on 8th March 2013, in PEKAK Hall. Women’s day address was given by the Chief Guest, Dr.V.Tamilarasi. She mesmerized the students by her wonderful, lively talk about Penniyam. Dr.C.Loganathan, Principal welcomed the gathering. The Women Development Cell coordinators Dr.R.Irene Hepzibah, Professor, Department of Science and Humanities and Mrs.A.Nagarathinam, Associate professor, Department of Computer Applications of our college coordinated the entire programme.
NSS Special Camp Report: 2012-2013

A seven day annual NSS special camp was inaugurated on 4th January 2013. The programme was successfully completed on 10th January 2013. The programme held at Kalakasthinathapuram, Madapuram and Mudikandanallur villages in Nagapattinam District. The inaugural session of the 7 days camp was inaugurated by Mr.C.Senthilvel, Secretary, A.V.C. Group of Institutions. The principal Dr.C.Loganathan presided over the function.

Three days were devoted to a mega medical camp to the citizens of the villagers. Dr.V.Hariharan M.D., D.Diat., Karpagam Medical College, Coimbatore, providing treatment for diabetic therapy, Mrs.R.Muthulakshmi, HOD, Department of Microbiology, A.V.C College(Auto) and her teammates provided laboratory test samples for the villagers. In the second session on the same day Dr.K.Sathishkrishnan, Audiologist and Dr.N.Maniraj, ENT provides their treatment for the villagers in a wholehearted service. Nearly 300 male and female people were benefitted on this medical camp. Dr.M.Rajasimman B.D.S., leading dental surgeon examined the school children and the villagers with his team mates. Almost 150 members were benefitted in this dental treatment. Dr. Shailza verma M.D., provided her examination of women’s health and also she discussed about their improvement of basic health in Antenatal and prenatal times and child health care. Mrs.M.Cynthia M.E student translated her treatment in Tamil language. The local people around 200 women were benefitted in this camp.

All the 7 days the morning session was the Yoga Asana conducted by Mr.N.Ganesan yoga trainer for our NSS volunteers. Apart from this, the women self development group of the villages have computer training and offset training technology. This training programme was conducted by Mr.K.Swaminathan, Swami Printers, Mayiladuthurai. Even though the women development cell got knowledge in how to grow mushroom cultivation, Dr.S.Rajasekaran and Dr.K.Sangarganesh, Asst.prof, Department of Botany, A.V.C College (Auto), provided the technical and entrepreneur development activities of mushroom cultivation.

Totally 150 students were engaged in this programme and they assisted in the village Road cleaning, Temple cleaning, school cleaning, public water tank cleaning and other places. Attractive processions based on the banner of electricity savings, environmental safety, blood donation, leprosy awareness and safety, were made with in the village by the student volunteers. Every day in the evening session of 5 days there was a motivational talk by the specialized person in service oriented scheme.

Finally the valedictory function was successfully completed with traditional songs and vote of thanks. The valedictory programme was presided by the principal Dr.C.Loganathan and Vice Principal Dr.S.Selvamuthukumaran. The vote of thanks was made by NSS volunteers.