



SARANATHAN
COLLEGE OF ENGINEERING

DEPT OF COMPUTER SCIENCE AND ENGINEERING
PRESENTS

COMSCE-WAVE 2015
VOL-2.0

E-MAGAZINE

PROGRAM EDUCATIONAL OBJECTIVE

- To provide students with a strong foundation in the mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze engineering problems and to prepare them for graduate studies, R&D, consultancy and higher learning.
- To develop an ability to analyze the requirements of the software, understand the technical specifications, design and provide novel engineering solutions and efficient product designs.
- To provide exposure to emerging cutting edge technologies, adequate training & opportunities to work as teams on multidisciplinary projects with effective communication skills and leadership qualities.
- To prepare the students for a successful career and work with values & social concern bridging the digital divide and meeting the requirements of Indian and multinational companies.

VISION:

- To be renowned itself as a reputed organization in Engineering education and research aimed towards betterment of society, capable of building a strong and developed nation.

MISSION:

- To inculcate in students a profound understanding of fundamentals related to discipline
- To inculcate skills, attitudes and their applications in solving real world problems with an inclination towards societal issues and research.
- To promote research in the emerging areas of computer architecture and networks

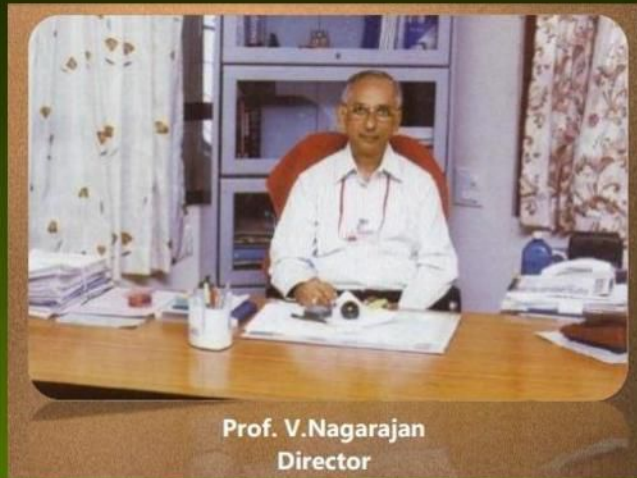
MESSAGE FROM THE DESK OF



Dr.D.VALAVAN
PRINCIPAL

I am very happy that the department of CSE is releasing an “e-magazine COMSCE-wave” which encompasses the Activities of the department, Achievements of the faculty and the students of the department and Technical & General articles of the faculty and students. To get better placements in core industries, they have to know recent developments in all the fields of Computer Science & Engineering. Now-a-days Internet is paving the ways for acquiring knowledge in the latest developments in almost all the fields of engineering, technology, arts and sciences. E-magazines in general will help the faculty and students to learn the latest developments in the fields of Computer science & Engineering such as Cloud computing, Mobile computing, Big data analytics, Web designing, Internet programming etc. It will surely help the students to improve their app skills, programming skills, innovative skills, communication skills, Team spirit and organizational skills to name a few. I owe my hearty appreciations to the HoD, faculty and students of the department for their sincere efforts to release the e-magazine to highlight the technical advancements in the branch of CSE. I wish them “The Very Best” in all their future endeavours.

MESSAGE FROM THE DESK OF



I am glad to know that the Department of Computer Science and Engineering Department of our College is bringing out the Second issue of their house magazine “COMSCE WAVE”. I am sure that it will be a good medium for the faculty and the students to disseminate useful information and update themselves. I wish the venture all success.

MESSAGE FROM THE DESK OF



I take the privilege to welcome you all to the Department of Computer Science & Engineering at Saranathan College of Engineering , Trichy. The department seeks to combine excellence in education and discipline with survive to the industry. Our vision is to be recognized as an innovative and leading Computer Science & Engineering department in the University affiliated colleges and beyond. Our goal is to provide students with a balance of intellectual and the practical experience that enable them to serve a variety of societal needs. Learning is a continuous process and does not end with the acquisition of a degree, especially because steady and rapid advances in Computing Technologies shorten the life of tools and techniques prevalent today. As a HoD, I wish to take the opportunity to assure you that our team will try our best to maximize student's participation in the department. This magazine will reflect the intellectual as well as creative ideas of the students in addition to the technical article.

MESSAGE FROM THE EDITOR

It gives us great pleasure to bring you the fourth issue of COMSCEWAVE, the department magazine of CSE. This magazine is a platform to exhibit the innovative ideas of teachers and students. COMSCEWAVE presents the achievements of students and contributions of teachers. We would like to place on record our gratitude and heartfelt thanks to all those who have contributed to make this effort a success. Last but not the least we are thankful to all the authors who have sent their articles. We truly hope that the pages that follow will make an interesting read.

EDITOR IN-CHARGE
K.Mohanapriya AP/CSE

STUDENT EDITOR
T.ArunPrasad IV CSE

FACULTY CONTRIBUTION:

- Paper publication
- FDP/Workshops attended/
Organised
- Guest lecturers delivered

STUDENTS ACHIEVEMENTS:

- Intra and Inter college events (paper presentation, workshop, coding contest, debugging).
- Certified courses
- Campus drive(Placement details)

TECHNICAL ACTIVITIES

- Department events
- Guest lecturers / seminars
- Workshop conducted

FACULTY
CONTRIBUTION

Faculty Achievements

Mr.S.Venkatasubramani

Workshop Organized

- ❖ "Co-ordinated three days Workshop on Network Simulator (NS/2)" organized by Dept. of CSE, Saranathan College of Engineering, Trichy on 8-10 Dec 2014
- ❖ Resource person for Microsoft Networking Fundamentals training programme." organized by Indira Gandhi college for women, Trichy on 11-Feb-15 to 21-Feb-15

Paper Publication

- ❖ S.Venkatasubramanian, Jenni Nickolas, et al., "An efficient classifier based intrusion detection system using Machine learning algorithms" in the proceedings of "National Conference on SOFTWARE AND COMPUTING TECHNOLOGIES" Organized by CSI-Trichy on Sep 2015.
- ❖ S.Venkatasubramanian, K.Niranjana, S.Nithyesh, P.Nitin and S.Prashanth, "WiFiTether-A software based approach to Wi-Fi tethering", International Journal of Applied Engineering Research, Vol. 10, Issue. 20, 2015, ISSN 0973-4562, Annexure-II (S#5565- Anna University)

FDP Attended

- ❖ Three days FDP program on Mobile Application Development conducted by Dept of CSE and eQuadriga Software(p) Ltd on 27-oct-2015 at Saranathan College of Engineering
- ❖ Train The Trainer program on FP4.0 (FA5.0)" organized by Infosys-campus connect) at Kamaraj College of Engineering, Virudunagar on 05-07 Nov 2015

Membership

- ❖ Faculty member of Computer Society of India & member division VII (<http://esi-trichy.in/2014to2015.html>) (membership: 1049627)
- ❖ Member of International Association of Computer Science and Information Technology (IACSIT) (membership: 80338398)

Guest lectures delivered

- ❖ Microsoft(MTA) Certification Course" at SriMathi Indira Gandhi College for Women, Trichy from 02-02-2015 to 19-2-2015.
- ❖ "A guest lecture on Technologies of the Future" at Srimad Andavan College of Arts and Science, Tiruchirapalli on 11th June 2015.

Ms V.Punitha

- ❖ V.Punitha C. Mala, "Dynamic Scheduling Algorithms for the Dispatcher Unit in a Web Cluster", International conference on Communication and Computing, ICC July 2015, Bangalore, McGraw Hill Edn, India ISBN-15: 978-93-392-2302-1

Guest lectures delivered

- ❖ "A lecture on "Java - Applets" in Five Days Workshop on JAVA Programming" organized by Dept. of CSE at Saranathan College of Engineering on 10-June-2015

Mr. T .Sathiskumar

Paper Publication

- ❖ Mr. T Sathis Kumar, "Middleware Interoperability using SOA for Enterprise Business Application", International Journal of Computer Science Trends and Technology, pp. 140-144, Vol. 3, Issue. 6, Dec 2015
- ❖ Mr. T Sathis Kumar, "A Study on Effective Business Logic Approach for Big Data Mining", International Journal of Innovative Research in Computer and Communication, ISSN 3039-3044 , Vol. 3, Issue.6, Apr 2015

FDP Attended

- ❖ Faculty Development Program - "Android Programming" organized by Dept. of CSE and conducted by eQuadriga Software(p) Ltd. at Saranathan College of Engineering, Trichy on 27-29 Oct 2015

Guest lectures delivered

- ❖ Data Types and Variables for Workshop on Java Programming and Web Technology" organized by Dept. of CSE at Saranathan College of Engineering on 11-May 2015.

Ms. C .Merlyne Sandra Christina

FDP / Workshop Attended

- ❖ One day Workshop on Web Application development with JAVA Struts conducted by M.Kumarasamy College of Engineering on 18-sep-2015
- ❖ Three days FDP program on Mobile Application Development conducted by Dept of CSE and eQuadriga Software(p) Ltd on 27-oct-2015 at Saranathan College of Engineering

Ms.C.Hemalatha

FDP / Workshop Attended

- ❖ "Three days FDP program on "Mobile Application Development"" organized by Dept. of CSE at Saranathan College of Engineering, Trichy on 27 - 29 Oct 2015

Ms.J.Sathiaparkavi

FDP / Workshop Attended

- ❖ A two week ISTE STTP on "Introduction to Design of Algorithms" conducted by IIT Kharagpur under National Mission on Education through ICT(MHRD) on 25-30 May 2015
- ❖ Three days FDP program on Mobile Application Development conducted by Dept of CSE and eQuadriga Software(p) Ltd on 27-oct-2015 at Saranathan College of Engineering

Mr.A.T.Barani vijayakumar

FDP / Workshop Attended

- ❖ "Three days FDP program on "Mobile Application Development"" organized by Dept. of CSE at Saranathan College of Engineering, Trichy on 27 - 29 Oct 2015
- ❖ "Two days FDP on "Introduction to Mobile Application Development"" organized by ICTACT at Dhanalakshmi Srinivasan Engineering College, Perumbalur on 16 - 17 Dec 2015

Ms.S.Geetha

FDP / Workshop Attended

- ❖ "Three days FDP program on "Mobile Application Development"" organized by Dept. of CSE at Saranathan College of Engineering, Trichy on 27 - 29 Oct 2015

Publication

- ❖ Ms.S.Geetha,"Click-Based Graphical Password Scheme Using Cued Clicks", IJLTEMAS,pg no 31-33 Volume 5 ,Issue 5, Apr 2015

Ms.V.Ranjani

" FDP / Workshop Attended

Three days FDP program on "Mobile Application Development"" organized by Dept. of CSE at Saranathan College of Engineering, Trichy on 27 - 29 Oct 2015

Ms.V.Ranjani ,"Click-Based Graphical Password Scheme Using Cued Clicks", IJLTEMAS,pg no 31-33 Volume 5 ,Issue 5, Apr 2015

Mr.R.Mohankumar , Ms.M.Vaidhehi,

FDP / Workshop Attended

- ❖ "Three-day FDP on Android Programming" organized by Dept. of CSE at Saranathan College of Engineering, Trichy on 27-29 Oct 2015, Conducted by eQuadriga Software

Mr.P.Dineshkumar

FDP / Workshop Attended

- ❖ "A One week Workshop on "Introduction to design of algorithms"" organized by IIT Kharagpur at Sastra University, Tanjore on 25th - 30th May 2015
- ❖ Faculty Development Programme on Soft Skills and Communication Skills for Effective Teaching" organized by Department of English, SCE on 05-06 Jan 2016.

Mr.M.Thangamani M.Rameshkannan,

Ms.S.Venkatesh

FDP / Workshop Attended

- ❖ "Three-day FDP on Android Programming" organized by Dept. of CSE at Saranathan College of Engineering, Trichy on 27-29 Oct 2015, Conducted by eQuadriga Software

Ms.S.Gowthami

- ❖ Three-day FDP on Android Programming" organized by Dept. of CSE at Saranathan College of Engineering, Trichy on 27-29 Oct 2015, Conducted by eQuadriga Software
- ❖ Ms.S.Gowthami,"Click-Based Graphical Password Scheme Using Cued Clicks", IJLTETAS,pg no 31-33 Volume 5 ,Issue 5, Apr 2015

Ms.S.Venkatesh

FDP / Workshop Attended

- ❖ "Three-day FDP on Android Programming" organized by Dept. of CSE at Saranathan College of Engineering, Trichy on 27-29 Oct 2015, Conducted by eQuadriga Software

Mr.P.B.Arun Prasad

FDP / Workshop Attended

- ❖ "Three-day FDP on Android Programming" organized by Dept. of CSE at Saranathan College of Engineering, Trichy on 27-29 Oct 2015, Conducted by eQuadriga Software
- ❖ "Two-day FDP on Mobile Application" organized by Dept. of CSE at Dhanalakshmi Srinivasan Engineering College, Perumbalur on 16-17 Dec 2015

Students Achievements

INTERNSHIP ACTIVITIES

S.No	Student Name	Company Name
1	MATHAVAN. R	CESJI PVT LTD Acheron Technologies
2	SJVAKUMAR. R	
3	VJBJNCHANDER. V	
4	CHRISTHEODORE. J	
5	PRJTHVJ.KJ.	
6	RAJESH. C	

Placement Statistics 2015 - 47 Students

S.No	Name of the Company	Students placed
1	E-con	3
2	Infosys	11
3	Sans_pariel	3
4	CTS	6
5	Accenture	3
6	Acheron	6
7	IBM	1
8	IVTL	2
9	CES	3
10	Digital Nirvena	1
11	West Line	1
12	Aricent Engineering Excellence	1
13	Mphasis	2
14	Kapson Tech	1
15	Voltane Technologies	2
16	Kumaran systems	1

Students Activities

Student Name	Event Name	From Date	To Date	Organized by (dept name / org. name)	Conducted at (college name / location)	Prize / Participated
T.Arunprasad	Shastra2015/Big Data/Workshop	4-Jan-15	6-Jan-15	IIT Madras	IIT Madras	Participation
C.Harini	Internet of Things/Workshop	12-Feb-15	14-Feb-15	Dept. of CSE	KCT College, Coimbatore	Participation
S.JamunaLakshmi						
B.Pragadeshwaran	Paper Presentation - Live Streaming using CCTV	16-sep-2015		Dept. of CSE	MAM College of Engineering ,Trichy	Participation
K.Nivetha	Paper Presentation - Fog Computing	16-sep-2015		Dept. of CSE	MAM College of Engineering ,Trichy	Participation
A.Shiny Aharsana B.Jessima	Technical Quiz and Coding	16-sep-2015		Dept. of CSE	MAM College of Engineering ,Trichy	I
J.Madhuvanthi R.Sowmiya	Technical Quiz and Coding	16-sep-2015		Dept. of CSE	MAM College of Engineering ,Trichy	Participation
S.Indulatchumi Iswarya Venkat	Paper Presentation	06-Feb-2015		Dept of CSE	Shree Venkateswara Hi-Tech Engineering College	Participation
K.Muralidharan M.Kannan B.Karthik	paper presentation- Android and web applications based on client-server infrastructure Ensuring personal safety	09-Apr-2015	10-Apr-2015	Dept of CSE	Chendhuran College of Engineering & Tech	Participation

Overall Championship

*K.V Hari OmPrakash, K.Jawahar, L.Balaji K.Aravindhana – presented the paper titled “Simulation of Secured enhanced OLSR in WMN “in a technical symposium on 04-Apr-2015 conducted at Mookambigai College of Engineering, Trichy - **Won the first Prize and overall revolving Shield***

Students Publication

S.No	Student Members	Publication	Conducted by
1	A.MARIYA MONICA, S.HEMALATHA AND S.MUTHULAVANYA IV – CSE	Presented a paper "Accident victim identification system using Mobile and Public Database Systems" at an International conference on emerging trends in engineering and technology on 04-04-2015	NIER - National Institute For Engineering and Research, Madurai
2	RAMESH KANNAN, B.SARAVANAN, VIBIN CHANDER AND VIGNESH SM IV – CSE	Presented a paper "Mobile traffic visualization and data analysis in a highly scalable network" at International conference on emerging trends in engineering and technology on 04-04-2015	NIER - National Institute For Engineering and Research, Madurai
3	M.KANNAN, B.KARTHIK AND K.MURALIDHARAN IV – CSE	Presented a paper "Android and Web applications based on Client-server infrastructure ensuring personal safety" at International conference on technological developments in Engineering on 09-04-2015	Chendhuran College of Engineering and Technology
4	S.NITHYESH, K.NIRANJAN, P.NITIN, S.PRASANTH (GUIDED BY S.VENKATASUBRAMANIA N-ASSOCIATE PROFESSOR/CSE) IV - CSE	Published a Paper "WiFi Tethering - A Software Based Approach" in IEEE International conference on Innovations in Information, Embedded and Communication Systems(ICII ECS'15) on 19-03-2015	Karpagam College of Engineering