



M.I.E.T ENGINEERING COLLEGE
Trichy Pudukkottai Road, Trichy-7

**COMPUTER SCIENCE
& ENGINEERING**

2018-2019



VOLUME -2

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ABOUT US:

Computer Science and Engineering department offers both Under Graduate programme – B.E in Computer Science & Engineering and Post Graduate programs – M.E in Computer Science and Engineering. The UG department was established in this institution during the year 1998, with the intake of 40 and increased to 90 in the year 2004. PG was started in 2006 with the intake of 18. The Computer Science & Engineering department is committed to continuously improve the quality of education by enhancing the knowledge of student and staff members.

The department is strengthened with dedicated, qualified and experienced faculty members with specialization in various fields of interest. It is well equipped with laboratories having the latest configurations and software tools with Internet facilities. The Department has a comprehensive curriculum of Anna University on topics related to all aspects of Computer Software with an emphasis on practical learning. The course structure is up-to-date and includes courses on nascent topics to equip our students with the latest developments. The department presents a unique opportunity to study the exciting field with guidance of quality teachers.

The department has signed MOU with Ozone Cyber Security , LiveWire, Orbit Controls and Services, Netland Computer Networks, Cosmogems, Sigma Pi Power Sources Limited, KG Lakshmi Parts and Co Orbit Edutech Private Limited to enhance the education with Institute to industries needs.



VISION

To attain excellence in Computer Science and Engineering field so as to address societal problems through active research, maintaining ethical standards.

MISSION

- To empower with technical skills to solve the real time problems through interdisciplinary approach.
- Expose to international ethical practices.
- Provide personality development for an effective leader and individual member of a team.

DEPARTMENT ACTIVITIES

CSI STUDENT CHAPTER INAUGURAL

The Department of Computer Science and Engineering, M.I.E.T Engineering College has organized an inaugural function for “**Computer Society of India Student Chapter**” on 28.12.18 at 10.30 A.M.

Er.A.Mohamed Yunus, Chairman, M.I.E.T Educational Institutions delivered the presidential address. **Dr. X.Susan Christina, Principal M.I.E.T Engineering College** delivered the special address, **Dr.T.Karthikeyan, Director, Planning & Development** felicitated the gathering.

Dr.V.Chandrasekar, HOD/CSE delivered the welcome address and **Mrs.S.Shanmugapriya, Faculty co-ordinator, CSI** delivered about the benefits of CSI and informed the forth coming activities.

Chief Guest, Dr.Gopinath Ganapathy, Registrar, Bharathidasan University, Trichy Guest of Honor, Dr.Ravimaran Shanmugam, Immediate Past Chairman, CSI Local Chapter, Trichy Special Guest, Dr.B.Sekar, Past secretary of CSI Local chapter and Vice President of Internet Users Club have inaugurated the

Computer Society of India Student Chapter function.



In this session, **Dr.Gopinath Ganapathy** motivated the students to choose any of the interested fields such as Automation, Application development, etc. to develop themselves to succeed in the chosen domain and to become an Entrepreneur. He motivates the point that china will be the technical competitor for us. So he asked the young students in India to enrich their technical knowledge and competent with china technology.

Dr. Ravimaran Shanmugam encouraged students to participate a minimum of 3 conferences and technical events per semester. So that student can gain a vast knowledge on different domains in their field of engineering. He also insisted the faculties to motivate the students in entrepreneur activities.



Dr.B.Sekar insisted the students to be updated according to the current trends because learning curriculum is alone not enough for self development. Students should know the needs and expectations of industries and learn new technologies.

WORKSHOP

One day workshop on Ethical Hacking in association with CSI and Ozone Cyber Security, Ernakulum Kerala was held in the Seminar Hall on March 1, 2019.

During the workshop, Mr.Vivek, CEO, Ozone Cyber Security, starts the session with the techniques of password hacking, system hacking, data hacking and data recovery in various operating systems such as Kali Linux, Windows 7.



At the end of the session students were learnt about the security issues and how to protect the data from hackers.

SYMPOSIUM

The Department of Computer Science and Engineering, has conducted a **National Level Technical Symposium** – in association with CSI & TISCA '19 on **23-02-2019 (Saturday)**

Er. A. Mohamed Yunus, Chairman, M.I.E.T Educational Institution presided over the function. **Dr. X. Susan Christina**, Principal, M.I.E.T. Engineering College, Trichy felicitated the Gathering and **Dr.T.Karthikeyan**, Director, Planning and Development addressed the students, **R. Karishma**, Student, III year CSE presented the annual report. The Souvenir was released during this grand occasion.

Mr. V. Ramachandran, **General Manger, Kothari Sugars and Chemicals Limited, Trichy** delivered the Inaugural address. Many events were organized throughout the day in which the students from various Engineering colleges participated actively. Models related with current era were created by the students of our College displayed in this symposium.

In paper presentation event, 35 papers were received from various engineering colleges. After scrutinizing the papers by the event coordinators and HOD,

12 papers were selected for final presentation.

Guest speaker Dr.K. Rajbabu., Deputy Manger, BHEL, Trichy and Dr.K.Geetha, Professor / CSE are the judges for the paper presentation session.



The winners were honoured with prizes and certificates. Dr.K. Rajbabu., Deputy Manger, BHEL, Trichy and Dr.V.Chandrasekar HOD/CSE distributed the prizes and Ms.Priyanka of III CSE proposed the vote of thanks.



On the same day the project expo was also conducted for the students to

encourage their technical and presentation skills.

FACULTY DEVELOPMENT PROGRAM

MIET Engineering College conducted two days Faculty Development Programme on 13th & 14th May 2019 in **Concert with ICT Academy on Introduction to Big Data Analytics** for the faculties of Information & Communication Engineering (CSE, ECE & EEE). **Alhaj.Er. A. Mohamed Yunus**, Chairman, M.I.E.T Educational Institution presided over the function. **Dr.X.Susan Christina**, Principal welcomed the gathering and Dr.T.Karthikeyan, Director, Planning and Development gave the felicitation address. Dr.K.Geetha Prof/CSE briefed about the ICT academy and introduced the trainer Ms.D.Kamatchi Devi of ICT academy.

During the programme the practical foundation level training was provided which enabled the immediate and effective participation of big data technology and other analytics project. It included four

major modules that provided the complete knowledge about bigdata concepts, tools that are used to process big data, source of data generation & the applications of big data, the analytic methods used to find the new insights of existing data.



STUDENT ENHANCEMENT PROGRAMME:

Research and development lab has been setup for High-end innovation centre for Internet of Things.



POLICE TRAINING PROGRAM

The training programme for police trainees has been conducted by **A.Barveen, G.Megala, P.Ramesh, R.Deepa,**

P.Christopher, and Ashok kumar for 6 days.



SPOKEN TUTORIAL

The Spoken Tutorial Online course has been offered to CSE department students for this academic year **2018-2019 Even Semester.** There were around 88 students attended the online exam. From those attended candidates, 45 students received the E-Certificates for clearing the online exam.



ACTIVITIES BY OUR FACULTIES

Dr.V.Chandrasekar, Professor, went for Ph.D viva voce as an external examiner at Karpagam Academy of Higher Education, Coimbatore on 9th and 10th January 2019.

Workshops/Seminars/FDP attended by the Faculties

Dr.K.Geetha attended a two days Faculty Development Programme on “**Modern trends in image processing**” organized by IEEE Madras section at K.Ramakrishnan college of Technology, Trichy, on 21 & 22.02.19.

Dr.V.Chandrasekar, G.Megala, P.Manikandan, A.Joshua issac ,R.Deepa attended a three days Faculty Development Program on “**Student Induction Program through universal human values**” organized by AICTE at Ammini college of Engineering , Palakkad, on 14 to 16.06.19.

Conference / Publications

Mrs.S.Shanmugapriya has published a paper on “**The personal authentication service and security enhancement for optimal string password**”, in Concurrency Computation Practice & Experience. Dec 2018.doi.org/10.1002/cpe.5009.

- **Mrs.S.Shanmugapriya** has presented a paper “**Brain Tumor Detection and Disease Prediction Using CNN Algorithm**” in the International Conference on Artificial intelligence and Machine Learning at Sathyabama university on 3rd to 5th April 2019.

Mr.R.Venkatesan has published a paper on “**Feature extraction from hyper**

spectral image using decision boundary feature extraction technique”, in AISC series of springer Dec 2018. (<http://www.springer.com/series/11156>)

ACTIVITIES BY OUR STUDENTS:

S.Sarthaj of II CSE submitted the project proposal titled as “**Wearable Communication Technology for Special Operations Soldier**” in DRDO Era in-communication under the guidance of **Dr.V.Chandrasekar,HOD/CSE**.

Conference / Publications

- **J.Syed Ijaz, G.Hariharan and M. Ramakrishnan** has presented a paper “**Identity based cyber security Intrusion Detection Authentication Scheme for Software Defined IoT Networks**” in International Conference at Dhaanish Ahamed College of Engineering, on 16th March 2019.

- **P.Rajkumar, M.Syed Abdul Razak and M.Muruganatham** has presented a paper “**A human behavior analysis for ambient assisted living recognition**” in International Conference at Dhaanish Ahamed College of Engineering, on 16th March 2019.

- **N.Alageswari, R.Narmatha and P.Renupriya** has presented a paper “**Predicting popularity of online videos using meta level data**” in International Conference at Dhaanish Ahamed College of Engineering, on 16th March 2019.

- **V.Sivasankari and Z.Yasmin** have presented a paper “**Smart Exclusive Security System for Chick**” in National Conference at Jamal Mohamed College, Trichy on 12th March 2019.

- **S.Shameema Shanas, Sanofar Raj Mohamed and K.Tamilselvi** has presented a paper “**Mobile based Automated E-Ration card System using OTP Security**” in National Conference at Jamal Mohamed College, Trichy on 12th March 2019.

- **G.Durka Devi and G.Bhuvanewari** has presented a paper “**Freakish Driver Oversee System using Vision based approach**” in National Conference at Kings College of Engineering, Tanjavour on 15th March 2019.

- **S.Lavanya, R.Preethi and R.Punitha** has presented a paper “**Smart soil parameters estimation system using Electronic node based Wireless Sensor Networks**” in National Conference at Kings College of Engineering, Tanjavour on 15th March 2019.

- **S.Muthulakshmi and K.Nivetha** has presented a paper “**Screen brightness based password authentication system to improve security in Nanking Application**” in National Conference at Kings College of Engineering, Tanjavour on 15th March 2019.

- **S.Ameer Sohail, V.Dhamodharan and S.Syed Abdul Kathir** has presented a paper “**Identifying malwares and hidden**

attacker in incoming sources” in National Conference at Kings College of Engineering, Tanjavour on 15th March 2019.

- **M.Hisam Zahid and S.Kaviyarasu** has presented a paper “**Smart Street Lamp Management**” in National Conference at Kings College of Engineering, Tanjavour on 15th March 2019.

- **J.S.Nataraj, R.Manivel and M.Iniyavan** has presented a paper “**Energy meter monitoring and payment system**” in National Conference at Kings College of Engineering, Tanjavour on 15th March 2019.

- **N.Mohamed Vasim, K.Mubarak and D.Chinraj** has presented a paper “**Wireless Brain Device Interface and regain System**” in National Conference at Kings College of Engineering, Tanjavour on 15th March 2019.

- **S.Priyadharshini and M.Tamil Selvi** has presented a paper “**Detection of affected cluster using interactions k-means for brain tumour**” in National Conference at Nandha College of technology, on 16th March 2019.

- **P.Punitha, A.Nasira Parveen and A.Nisha** has presented a paper “**Distributed Wireless Power Transmission for Electric Vehicle using IoT**” in National Conference at Alagappa Chattiar Government College of Engg. & Tech, on 27th March 2019.

- **M.Karthika and T.Vaijeyanthi** has presented a paper “**Android based**

Messaging system for Visually Impaired people using Voice Assistive System” in National Conference at Alagappa Chattiar Government College of Engg. & Tech, on 27th March 2019.

- **M.Karthika, R.Iswarya and R.Asma UI Mymoona** has presented a paper **“Using Augmented Reality to Elicit Pretend play for Children with Autism”** in National Conference at Alagappa Chattiar Government College of Engg. & Tech, on 27th March 2019.

- **V.Ananthalakshmi and D.Anjalidevi** has presented a paper **“Identity based network security commercial block chain services”** in National Conference at Alagappa Chattiar Government College of Engg. & Tech, on 27th March 2019.

- **P.Anuja, M.Durgadevi and E.Karthika** has presented a paper **“Content based access Control system for Mobile Devices”** in National Conference at Alagappa Chattiar Government College of Engg. & Tech, on 27th March 2019.

- **M.Megala and S.Meenambal** has presented a paper **“Digitalizing Smart and Secure tracking system using Android”** in National Conference at Alagappa Chattiar Government College of Engg. & Tech, on 27th March 2019.

- **T.Yazhini, S.Sabitha and A.Fathima Begam** has presented a paper

“Cloud management API’s using AI Planning” in National Conference at Alagappa Chattiar Government College of Engg. & Tech, on 27th March 2019.

- **V.Abinaya, T.Nandhini and R.Kowsalya** has presented a paper **“Multi factor graphical password authentication system using click points”** in National Conference at Alagappa Chattiar Government College of Engg. & Tech, on 27th March 2019.

- **P.Vinothini, A.Sowndarya and I.Eswari** has presented a paper **“Search rank fraud and malware detection using in Google play”** in National Conference at Alagappa Chattiar Government College of Engg. & Tech, on 27th March 2019.

- **S.Sangeetha and A.Sulthana** has presented a paper **“Feature Extraction and Classification to predict lung cancer”** in National Conference at Alagappa Chattiar Government College of Engg. & Tech, on 27th March 2019.

Paper Presentation

- **M.Tamil Selvi** of IV CSE has won third prize in paper presentation Event in Technical Symposium conducted at M.A.R College of Engineering & Technology on 08th Mar 2019.

Technical events Prize winners

C.M.Yaminipriya and A.Priyanka of III CSE students has won first and second prize on Connections Event in Technical

Symposium conducted at Chendhuran College of Engineering and Technology on 15th Feb 2019.

N.Lavanya of III CSE student has won second prize on Technical Event (FUN) in Technical Symposium conducted at University College of Engineering on 06th 07th Mar 2019.

S.Amrutam Sunil of III CSE student has won first prize on WEBNIX in Technical Symposium conducted at University College of Engineering on 06th 07th Mar 2019.

S.Amrutam Sunil of III CSE student has won second prize on Code Hound in Technical Symposium conducted at University College of Engineering on 06th 07th Mar 2019.

F.Thoulathul Fahmeetha of II CSE student has won second prize on Debugging event in Technical Symposium conducted at M.A.R College of Engineering & Technology on 08th Mar 2019.

R.Aravindhan of III CSE student has won first prize on Hardware Debugging in Technical Symposium conducted at M.A.R College of Engineering & Technology on 08th Mar 2019.

S.Mohamed Ansar of III CSE student has won second prize on Hardware Debugging in Technical Symposium conducted at M.A.R College of Engineering & Technology on 08th Mar 2019.

S.Amrutam Sunil of III CSE student has won second prize on Blind C in Technical Symposium conducted at M.A.R College of Engineering & Technology on 08th Mar 2019.

Technical events Participants

C.M.Yaminipriya and A.Priyanka of III CSE students has participated on Technical Event in Technical Symposium conducted at Chendhuran College of Engineering and Technology on 15th Feb 2019.

M.Mohamed Asik of III CSE student has participated on Code Hound Event in Technical Symposium conducted at University College of Engineering on 06th 07th Mar 2019.

M.Mohamed Asik of III CSE student has participated on Andronics Event in Technical Symposium conducted at University College of Engineering on 06th 07th Mar 2019.

P.Akilan of III CSE student has participated on Fenix Event in Technical Symposium conducted at University College of Engineering on 06th 07th Mar 2019.

Workshops/Seminars attended by the Students

V.Prasana, R.Kabil, Rumana Fervin, and A.Ummal Bajria of III year CSE have participated in the three days workshop on “**Block chain and Cryptocurrency**” at National Institute of Technology, Trichy on 01st to 3rd February 2019.

P.Akilan and Arif Mohamed, of III year CSE have participated in the three days workshop on “**Mobile hacking and Cyber Forensics**” at National Institute of Technology, Trichy on 01st to 3rd February 2019.

V.Prasana and R.Kabil, of III year CSE have participated in the two days workshop on “**Internet of Things**” at National Institute of Technology, Trichy on 16th to 17th February 2019.

F.Thoulathul Fahmeetha, S.Sarthaj, A.Steffi Monica, R.Nasreen, B.Ilakiya, A.Riyas Ahamed and S.Sriramkumar of II year CSE has participated in the two days workshop on “**Internet of Things**” at National Institute of Technology, Trichy on 16th to 17th February 2019.

M.Arif Mohammed of III year CSE has participated in the two days workshop on “**Android App Development**” at National Institute of Technology, Trichy on 16th to 17th February 2019.

SCRUTINIZE BEST PROJECT

TITLE OF THE PROJECT	STUDENT NAME
Smart soil parameters estimation system using electronic node based wireless sensor network	S.Lavanya R.Preethi R.Punitha
Freakish Driver	G.Durgadevi

Oversee System Using Vision Based Approach	G.Buvaneshwari
Smart Exclusive Security System for Chick	V.Sivasankari Z.Yasmin

The above projects are selected as the best projects by our scrutinizing committee members D.Sajeev, Director, Netland Computers, Chennai and S.Madhana Gopal Senior Engineer, AGL Systems, Trichy.

ANNA UNIVERSITY RESULT TOPPERS

In Final Year CSE (VII Sem) **Sanofar Raj Mohamed** got 1st place with CGPA 8.462, **S.Muthulakshmi** got 2nd place with CGPA 8.402 and **R.Preethi** got 3rd place with CGPA 8.272

In Third Year CSE (V Sem) **Zaina Zuhaina.M** got 1st place with CGPA 8.877, **Rumana Fervin.A** got 2nd place with CGPA 8.73 and **Karishma.R** got 3rd place with CGPA 8.689

In Second Year CSE (III Sem) **B.Bharathi** got 1st place with CGPA **8.055**, **B.Ilakiya and S.Samsath Begum** got 2nd place with CGPA 7.959 and **R.Nasreen** got 3rd place with CGPA of 7.849.

PLACEMENT DETAILS

Our Department is well known for its academic excellence and is often considered as the 'first step' for a number of industries and other organizations for recruiting undergraduate and post-graduate

students. We truly appreciate the faith bestowed on us from several organizations and we look forward to continuing our relationship with them.

Many students have attended on campus drive for various posts on different companies such as M/S IDBI FEDERAL, Coimbatore, M/S KOTAK MAHINDRA, Coimbatore, M/S VDART INC, Trichy, M/S MASS MIND SOFTWARE, M/S CMS, Chennai and M/S LIVE WIRE, Trichy.

In which 23 students were placed as Team Leader, 8 as Management Trainee, 4 as IT Recruiter, 4 as Trainee Software Developer, 7 as associate technical engineer and 2 as Network engineer trainee.

DEPARTMENT OF CSE

Chief editor : Dr.Chandrasekar

Editors : A.Barveen

S.Shanmuga Priya

Students members : G.Hariharan

R.Kabil

