How to face the Anna University Engineering Counseling

19th June 2016

Computer Society of India, Coimbatore Chapter organized Free orientation programme for students/parents on "How to face the Anna University Engineering Counselling". It is the 12th consecutive year of this programme and it is held on 19th June 2016, Sunday at the Assembly Hall of PSG College of Technology, Coimbatore at 9.30am.

Over one lakh students have applied this year through the online portal for admission into engineering courses in the State, said Chief Guest Dr. Rhymend Uthariaraj, Professor, Department of IT-MIT in Anna University.

Dr.Uthariaraj said the State had more than 570 engineering colleges and all details of the colleges were available online. He also gave details on when the rank list would be prepared, the counselling would be held, and the requirement of candidates applying under each category. He urged the students to choose courses that aligned with their area of interest, give importance to core branches, and look at several details before choosing the college.

Dr. R. Rudramoorthy, Principal of PSG College of Technology, spoke about the current scenario in college admissions. The expert academicians of various departments from PSG College of Technology Prof. Vinoth, Department of Robotics, Prof. Shankar Subramaniyam, Department of Civil Engineering, Prof. Natarajan, Department of Mechanical Engineering were also addressed the gathering with useful guidance. Mr. Vishnu Potty, chairman of Computer Society of India, Coimbatore Chapter, welcomed the gathering. At the end of the session,

Dr. G. Radhamani, Secretary of Computer Society of India, Coimbatore chapter, thanked all the members. An interactive session with Q & A was also held.

Newage Learning – The Changing word of Learning Models

28th June 2016

The Computer Society of India, Coimbatore monthly meeting was commenced at Cognizant Technology Solutions, CCC, CHIL SEZ, Coimbatore on 28th June 2016 at 6 PM which was attended by the CSI Student Branches, Senior CSI members and Industry professionals. The Chief Guest was Ms. Maya Sreekumar, Assistant Vice President, Head of Academy India- Cognizant Technology Solutions, Coimbatore. The session was presided over by the CSI Coimbatore Chapter Chairman, Mr. Vishnu Potty, Former Chairman Mr. P.R. Rangasamy and other CSI Coimbatore Chapter office bearers. This monthly meeting was jointly organized by Partner (Sri Ramakrishna Engineering College, Coimbatore) and Co-Partner (Nehru College of Management) colleges.

Above 200 members were attended in the monthly seminar. The Chief Guest Ms. Maya Sreekumar gave motivational talk on Newage Learning – The Changing world of Learning Models and the future domain areas IT filed. The session was very informative and helpful for the student's community to get placement in the leading IT industries.

OPEN SOURCE ON AZURE

18th July 2016 at CSI hall,

Chief Guest Mr. Brijraj Singh, Sr Tech. Evangelist | Developer Experience | Microsoft Corporation addressed the audience and discussed the following:

Evolution of Azure - An introduction about the Cloud and various paradigms namely, Infrastructure Services, Software Services and Platform Services was given. He delivered some ideas about the web services in scaling the websites. Open Source Initiative in IAAS - He gave real life examples of IaaS service providers such as Amazon Web Services (AWS), Microsoft Azure, Google Compute Engine (GCE). He also gave a brief idea about the Big Data – Hadoop, Container - Support for Docker & Mesos and Microsoft R Server.

Open Source Initiative in PAAS - The speaker discussed the PAAS (Platform as a Service) tools and protocols like Azure websites support – HTML 5.0, .net, Node JS, PHP, Phython, WordPress, Joomla, Drupal , CMS, Azure redis cache – Redis implementation in cloud, Create a in-house Data center, Azure - IOT, HUB support AMQP, MQTT Protocols, SMB Protocols.

Open Initiative in Tools and frameworks - He also mentioned various tools and frameworks to support in Azure .net, VS Code,PHP, Python, Bot Builder SDK, Chakra Core, Typescript and Angular JS.

"It's a 'polymath'world - success secrets for an emerging world"

12th August 2016

Computer Society Of India, Coimbatore Chapter organized a seminar on "It's a 'polymath'world - success secrets for an emerging world" on 12.08.2016, 5.00 pm at CSI Hall, Coimbatore. More than 70 participants from various organizations in and around Coimbatore attended the seminar session.

Ms. Devadarshini and Mr. Jelix Johnson from SNS College of Engineering (Partner) have addressed the committee members. Mr. Vishnu Potty, Chairman, CSI Coimbatore Chapter welcomed the gathering and also briefed the session topics of the seminar and introduced the keynote speaker Mr. Subramaniam to the participants.

The Chief Guest Mr. Subramaniam, Global Head | Chief Technology & Strategy - QE&A Cognizant's Assurance Services, explained about the "Generation of polymath world" and also he demonstrated the polymath pattern in the form of wave pattern in three ways such as Internet connection and their applications, apple, Ios, apps and Internet of things, automation etc.

He explained in detail structure about the way of Generation changes by the OLA taxi app and he gave us an idea about the android development for automation. The session helped the participants to invoke the concept to their future generations.

CSI - ANNUAL GENERAL BODY MEETING - AGM

23rd November 2016

Minutes of the Meeting Report

Mr. S. Arumugam, Past Chairman of the chapter opened the meeting and welcomed all members for participation and then he handed the proceedings over to Mr. Venkat Kailasam, Chapter Treasurer for presenting the financial statements for the year 2015-16.

Mr. Venkat Kailasam, Chapter Treasurer, updated the participants on Chapter's income and expenditure details and explained the total assets and liabilities position. Members enquired details about establishment expenses and the process that is being followed with respect to service tax payments on hall rent receipts. He briefed the current process and explained the on account adjustment with HO. Members suggested that the same should be settled from now on a monthly basis and it has be uploaded in cloud accounting system promptly. Treasurer agreed to the suggestion.

After detailed review and discussion, the financial statements as presented was proposed for adoption by Mr. P.R. Rangaswami and seconded by Dr. M. Sunderasan. Subsequent to financial statements review, Dr.G. Radhamani, Secretary of the Chapter thanked all the members present.

Two Days Workshop on PHP

19th and 20th July 2016

Nehru College of Management & CSI Student Branch organized two days workshop on PHP during 19th and 20th July 2016. The workshop was started with the welcome address by Prof.T.B. Fenn, Dean, MCA Department. Dr. S. Franklin John, Principal, Nehru College of Management delivered the presidential address. The technical team leader Ms.Ramya delivered the keynote address.

The hands on training were given to the students by well trained tech engineers. The students really found the workshop as useful and gained more knowledge on many web development tools. A very good feedback was given by the students. At the end, the vote of thanks was given by CSI Student Branch representative.

Industry Institute Interaction

29th July, 2016

The Department of Computer Applications of Nehru College of Management, and Computer Society of India, Coimbatore Chapter organizes "Industry Institute Interaction" on 29th July 2016.

The program started with the prayer song followed by the welcome address by the Principal Dr.S.Franklin John. He encouraged the students to actively take part in all CSI activities to enrich their knowledge in the latest technologies and domain.

The Chief guest was introduced by Dr.E.Chandra Blessie, Associate Professor, Department of Computer Applications, Nehru College of Management and Student Branch Counselor, CSI Coimbatore Chapter. The chief guest Mr.Chenny Solaiyappan, Director, HealthCare Solution Groups, Cognizant, delivered his talk on "Significance of Data Science". In his talk, he pointed out about the data science and its recent impact. He added that the Data Science employs techniques and theories drawn from many fields such as statistics & Information science. He also mentioned about machine learning and analysis. He also addressed on Hadoop and algorithms used in Big Data. In the interaction session, the discussion was on the programming skills needed for future in 2020. The discussion continued about IoT and its impact. .

Young Talent Search in Computer Programming First Level Regional Competition

31st July 2016

Department of MCA, Hindusthan College of Arts and Science, Coimbatore and Computer Society of India (CSI), Coimbatore Chapter jointly conducted the first level regional competition for "CSI Young Talent Search Computer Programming" on 31-07-2016 at Hindusthan College of Arts and Science. Dr. A.V.Senthilkumar, Director, Dept of MCA , Hindusthan College of Arts and Science acted as a Chief Superintendent for the examination, Dr. G. Radhamani, Secretary – CSI-Cbe Chapter, Mr. A.Sivabalan, CSI-Cbe Chapter, Mr. C. Thirumoorthi, Assistant Professor, Dept of MCA , Hindusthan college of Arts and Science were Present. More than 20 school students from various parts in and around Coimbatore region participated in the competition.

"Big Data: Hype and Reality"

9th December 2016

Computer Society of India, Coimbatore Chapter and PSG College of Technology, Coimbatore organizes Guest Lecture on "Big Data : Hype and Reality" in Assembly Hall, PSG College of Technology, Coimbatore on 9th December 2016.

The function has started with opening remarks by the CSI Coimbatore Chapter Chairman Mr. Vishnu Potty, Vice President, CTS, Coimbatore. The chief guest Dr. C. Mohan IBM Fellow, IBM Research Center, USA delivered lecture on Big Data and its applications in the current era. He also said that the current research issues of big data. It was an Inspiring and Knowledge full speech to the faculty and students.

The chief guest Dr. C. Mohan explained the basic concept of big data and the 4 Vs of big data like Volume, Velocity, Variety and veracity.

* Volume means Scale of data * Velocity means analysis of streaming data * Variety means different forms of Data * Veracity means uncertainty of Data.

Big Data Applications:

The Big Data is used in various fields like Financial and economic macro-modeling, Consumer modeling, computational recommendation systems, Web searching, Similarity search systems, Fraud detection and failure prediction, Data sources include regulatory filings.

Market size and vendor strategies:

The "Big Data Market: 2016 – 2030 – Opportunities, Challenges, Strategies, Industry Verticals & Forecasts" report presents an in-depth assessment of the Big Data ecosystem including key market drivers, challenges, investment potential, vertical market opportunities and use cases, future roadmap, value chain, case studies on Big Data analytics, vendor market share and strategies. The report also presents market size forecasts for Big Data hardware, software and professional services from 2016 through to 2030. The forecasts are further segmented for 8 horizontal submarkets, 14 vertical markets, 6 regions and 35 countries.

IDC-Big data technology and services market

Hortonworks is a business computer software company based in Santa Clara, California. The company focuses on the development and support of Apache Hadoop, a framework that allows for the distributed processing of large data sets across clusters of computers.

Hadoop technologies and architecture

The chief guest Dr. C. Mohan elaborated on hadoop technologies. It is an open-source framework that allows to store and process big data in a distributed environment across clusters of computers using simple programming models. It is designed to scale up from single servers to thousands of machines, each offering local computation and storage.

Hadoop is an Apache open source framework written in java that allows distributed processing of large datasets across clusters of computers using simple programming models. A Hadoop frame-worked application works in an environment that provides distributed storage and computation across clusters of computers. Hadoop is designed to scale up from single server to thousands of machines, each offering local computation and storage.

The chief guest Dr. C. Mohan shared his knowledge on the topics emerging big data stack, Big data research projects, Data Scientist and Apache spark. Dr. G. Radhamani, Secretary, CSI Coimbatore Chapter delivered vote of thanks. More than 350 faculty, students and CSI Coimbatore chapter officials participated in the seminar.

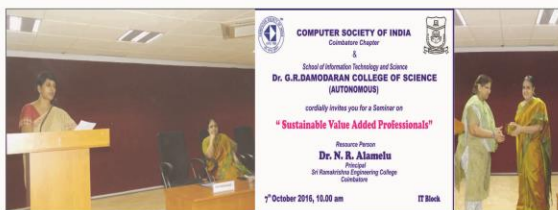### Seminar on "Research Proposal Writing "

25th July 2016

Computer Society of India – Coimbatore Chapter and Dr. G.R. Damodaran College of Science (Autonomous) organized a Seminar on Research Proposal Writing on 25th July 2016 at Dr. G.R. Damodaran College Campus.

Chief Guest Prof. P. Nagabhushan from University of Mysore highlighted the following points : The problem identification should start with the interest of the scholar along with the current trends. The scope of the project should be forecasted based on the duration. The duration of the project can be set to the maximum of two / three years. The researcher should have basic understanding of the project, technology and some publications relevant to the proposed work. The funding amount depends on the project. Weightage is given to the Inter Institution tie-up proposals. The collaborative institution should be par with the host institution. The research proposals can be submitted to any one of the funding agencies like ISRO, DRDO, DST etc.. The financial assistance should not be for the basic infrastructure rather for the manpower and the extended infrastructure. The main outcome of the project should be a creative solution.

"Sustainable Value Added Professionals"

7th October 2016

It is our privilege to inform you that School of IT and Science, Dr G R Damodaran College of Science jointly in association with Computer Society of India, Coimbatore Chapter organized a Guest Lecture by Dr.N.R.ALAMELU, Principal, Sri Ramakrishna Engineering College, Coimbatore. Dr.G.Radhamani Director, School of IT and science welcomed the gathering and introduced the chief guest.

Dr.Alamelu's speech was inspiring and eye opening. Her speech motivated everyone to excel both in academic and professional life. She mentioned four sustainable qualities to become a perfect professional. They are (1) Commitment (2) Owning Responsibility (3) Being Passionate (4) Accountability. Dr. Alamelu is a well-experienced person as Dean and Principal. Her speech enlightened the students on the topics
* Being a Team Member * Assessment on an individual's strengths and weaknesses * Time Management * Stress Management * Handling emotions * Work life Balance

Dr. Geetha Padhmanaban, Secretary, DR.G.R.Damodaran College of Science shared a few words of felicitation and honored the Chief Guest DR.N.R.Alamelu with a memento.

"LIFE SKILLS"

23rd August 2016

This is the photograph of the programme conducted on "LIFE SKILLS" by Mr. Prashanth R. Nair, National Student Co-ordinator, Computer Society of India & Vice Chairperson, Department of Computer Science and Engineering, Amrita University, Coimbatore addressed the gathering on 23rd August 2016. The Dean, Faculty of Engineering, Dr. Sundararajan welcomed the Chief Guest Mr. Prashath R Nair, National Student Co-ordinator & Vice Chairperson , Department of Computer Science and Engineering, Amrita University, Coimbatore at his venue. The students' association member Mr. Abdulla welcomed the Chief Guest. The Chief Guest spoke on the topic "The essence of Life Skills". He started with the topic of Soft Skills; covered on the issues of Soft skills and carried it with the same on soft skills which was transformed to LIFE SKILLS. He stressed on the importance of such skills as the core of not for the professional development, but for the genuity for leading the prompt and peaceful life in social life and the industry needs. The session was very brainstorming with so many questions raised about the topic to the speaker. It became interactive and extended beyond the scheduled time. Finally, the Head of the Department, Department of Computer Science and Engineering, Faculty of Engineering; Dr. Mohanapriya presented the memento to the Chief Guest. Mr. Sohail gave the vote of thanks. This was followed by a short gist on the past and fore coming activities of the Association of Computer Science and Engineering & SBC – Computer Society of India , Karpagam University, Mr. Vigneshwar Manokar.

Kalaignarkarunanidhi Institute of Technology & Computer Society of India International Conference on
IEEE international Conference on Science, Technology, Engineering and Management (ICSTEM 2017)

Date : March 3-4, 2017

We have conducted the IEEE international Conference on Science, Technology, Engineering and Management (ICSTEM 2017) on March 3-4, March 2017 successfully at KIT-Kalaignarkarunanidhi Institute of Technology.. Dr. Pinnamaneni Bhanu Prasad, Technical Advisor of KELEEN Technology, France; and Dr. Tan Fee Yean, School of Business Management, College of Business, University Utara, Malaysia are the keynote speakers. Rekha Mathews, Head-India Campus Relationships, Ust Global, Cochin is the Resource Person. We received more than 900 papers from all streams from all over the country. We had 500 participants.

"Internet of Things"

23rd September 2016

Computer Society of India, Coimbatore Chapter organized Guest Lecture on "Internet of Things" in Adithya Institute of Technology, Coimbatore. The program started with the prayer song followed by the welcome address by the Head of the Department Mrs. Chitra, Professor. She introduced the chief guest.

The chief guest Dr.E.Chandra Blessie started briefing about the benefits of student members for half an hour including the details about student portal, journal publications, CSI events, and CSI Annual Conventions. She delivered her talk on IoT and its components. She briefed about the techniques and technologies used. She pointed out some real time projects currently on IoT and finally concluded with challenges and future of IoT.

Dr.Chitra Devi, CEO of Adithya Institute of Technology presided over the function and delivered the presidential address. The program ended with the vote of thanks by Mr.Sahayavivian, Assistant Professor.

NATIONAL CONFERENCE ON ADVANCES IN COMPUTATIONAL SCIENCES

Date : 18 February 2017

The 1st National Conference on Advances in Computational Sciences was organized by the Department of Computer Science and Engineering, Faculty of Engineering, Karpagam University in pact with professional bodies, Corporate partners and Corporate Academic partners. It was largely attended by Graduate students, Post Graduate students, Research Scholars and faculty from various Institutions and Organisations.

The Chief Guest of the one day National Conference was Mr. S. Vishnu Potty, Vice President, Cognizant Technology Solutions and also the Chairman – Computer Society of India, Coimbatore Chapter and the Guest of Honor was Dr. G. Radhamani, Professor & Director, Department of Computer Science, G.R.D College of Arts and Science, Coimbatore.

The Conference started with the Invocation followed by the Welcome address by Dr.Mohanapriya M, Head of the Department of Computer Science, and Faculty of Engineering followed by the "Lighting of the Kuthuvilakku". The Dean, Faculty of Engineering, Dr. Lakshmanan D, gave the Inaugural Address followed by the Presidential Address by Mr. S. Vishnu Potty, Vice President, CTS. His oration was down to earth and a glimpse of the Word wide happenings of day to day's life of a common man. The participants were buoyed and vitalized by the extraordinary speech, interacting with the students on today's technology, future growth, goal settings, passion, attitude and things to be leveraged for a sustained growth in life. The crowd was glued to his talk and interactions were very energetic and lively.

After the session was over, we had the a Plenary session talk by Dr. Kannimuthu, Associate Professor, Department of Computer Science and Engineering, Karpagam College of Engineering, followed by the paper presentation. Around 75 papers were received, 45 papers were selected and subjected to stringent double blind review process as the need to stress for quality Research and work were emphasized for they were for submission to topnotch journals. There were two sessions and the participants were students from all over South India. The session concluded with the National Anthem and it was a memorable one to remember.

CSI Coimbatore Chapter & IEEE Educational Society
Short Term Training Program on **Pattern Recognition and Applications (PR&A-2017)**

27th February to 2ndMarch2017

The inauguration of the Short Term Training Program on Pattern Recognition and Applications (PR&A-2017) was scheduled on 27th February morning at 9.30 am at Kumaraguru College of Technology, Coimbatore. Mr. S. Vishnu Potty, VP, CTS and Chairman, CSI Coimbatore Chapter was the Chief Guest and Dr. Basabi Chakraborty and Dr.Goutam Chakraborty from Iwate Prefectural University, Japan were the Guests of Honour. Dr.G.Radhamani also represented CSI Coimbatore Chapter as Secretary.

After invocation, the Head of Electronics and Communication Department Dr. Malarvizhi, welcomed the guests and Dr.Ramalatha Marimuthu, Professor, ECE explained about the programme. Mr. S.Vishnu Potty, the Chief Guest spoke about the importance of attending skill development programmes such as these from an industry perspective. He also appreciated the dedication and the commitment of the Guests of Honor who had flown long from Japan to be a part of this programme.

When Dr. G.Radhamani introduced the Guests of Honor, she mentioned the research profiles of them indicating that collaborations possible in the near future and also in long term. True to her word, the attendees were overawed by the direct application oriented case studies the professors explained in their talk.

The STTP was conducted for four days and there were about 45 attendees from different institutions in and around Coimbatore. Dr. Sudha Sadhasivam from PSG College of Technology, Coimbatore and Dr. Ganesh Kumar from Anna University, Coimbatore were other trainers for the programme. The overall focus of the program was to aid in finding research problems and solving research problems in Pattern Recognition Applications

CSI 2016 ANNUAL CONVENTION

PRE CONVENTION TUTORIAL

PSG College of Technology, Coimbatore   22nd Jan 2017

Hotel Le Meridien, Coimbatore   23, 24 & 25th January 2017

Guest Lecture on "Big Data: Hype and Reality"

SESSION 1

INTRODUCTION TO DATA SCIENCE (Speaker: Mr.Karthik Ramasubramanian)
Data Science – Three Pillars of Data Science (Hacking Skills, Math & Statistical Knowledge and Substantive experience) – Data Structure & Machine Learning – Big Data – Visualization – Cloud – Internet of Things – Statistics – Enlighten the facts and various fields where the Data Science is applied.

CASE STUDY ON BMI CALCULATION (Speaker: Mr.Abishek Singh)
Challenges in insurance – Process of getting life insurance – Prediction of BMI.

STATISTICS

Data descriptive: Structured, Semi Structured, Quasi structured, Unstructured data.

Machine Learning (ML): ML is an algorithm that can learn this relationship without relying on any rule-bases programming. ML will emphasis on how the final predictions will look like if similar data is supplied in future.

SESSION 2 - (Speaker: Mr.Abishek Singh)
Machine Learning Algorithm – K-means, Decision Tree & Neutral Network.
Visualization – GGPlots in R – Boxplot, Histogram, Scatterplot, Sankey Plot, Cohort Charts, Bubble Chart. GGviz – Motion Charts.
Ensembles: Bias vs Variance trade off - Bagging & Booting.

SESSION 3 - (Speaker: Mr.Karthik Ramasubramanian):
Big Data – Ecosystem –
Graph Databases - Graph databases support a very flexible and fine-grained data Model. RDBMS provides results, Graph Databases provides answers.

SESSION 4 - (Speaker: Mr.Abishek Singh)
Image Processing – Face Detection – Facial key Points detection.
Use case: Predict Emotion, Recognition – verification.
Industry – Academia Collaboration: Fake news detection, Persona identification, Computer vision & Emotion Detection.
Future of Data Science: Deep Learning – Internet of Things – Online Machine Learning (Mobile Devices & Real –Time Performance.
Talent Graph: Technology Stack - Neo4j, Titan, Python, Cloud APIs & MEAN technology stack
Machine Learning Probabilistic Graph Models, Regression Analysis, Natural Language Processing(NLP).

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