



# JEPPIAAR ENGINEERING COLLEGE

Jeppiaar nagar, Rajiv Gandhi Salai, Chennai-119



BY THE DEPARTMENT OF INFORMATION TECHNOLOGY

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## *Editorial Message*

**T**he core of our technology, the computer has realized its technological adeptness and adaptability, playing major roles in every arena of human life, giving our society an entirely new edifice. From the rapidly growing digital industry, the widely connected social networks, the ubiquitous presence of android applications and the endlessly growing spectrum of possibilities that have woven themselves into our everyday act has become the front face of the rising and ever evolving proponent of the current era.

Standing at the pinnacle of succession onto the era of virtual and augmented reality the possibilities have once more multiplied. And Jeppiaar College of Engineering goals itself to raise potential candidates who would tap onto the limitless possibilities and strive to achieve greater heights in benefit of humanity.

Our IT department introduces the first issue of its monthly newsletter with the aim of bringing to light the up to date information about the activities of the student and staff participating in the challenges of the highly competitive world of computers and illuminate facts and knowledge about the state-of-the-art advancements in technology in this compilation of articles by our students.

We hope this initiative brought by the members of the newsletter team stimulates thinking and provokes discussion among its reader and welcomes them to be part of the rising tide into the advancement on to the next stage of the digital world.

Thank you,

Dr.Anbarasu,

Editorial Head, The Byte.





# Revoitz-2k16

More often than not talent goes unnourished under a methodical academic system. Education and competition are the two universal ingredients for growth of any individual in any field, a platform to test the limits and possibilities of our own ability is a quintessential element and a necessity every educator should emphasise importance on and what Jeppiaar Engineering College strives to give a practical form.

Revoitz an annual symposium organized by our department is the culmination of this ideology, held on the 30th of March with a myriad of fun and educative events covering both technical and non-technical bases, the yearly episode received a response much higher than the estimated numbers and much to the appreciation of our expectations.

The technical events - Papyrus Pyosi ,C Connect , Theme Maker, Foto GP testing wit, aptitude and flair as they were pitted against their rivals in a series of rounds with evolving difficulty. While the heated battle continued on one side the other was drowned in cheers and roars as the non-technical events, Smash Hit, IPL Aukcie, Frisky texting and Gamie Mania giving the event its cultural atmosphere brought the conclusion with an impact no less than what it started with.

While invites were sent to over 57 colleges and participants from famed institutes and over 400 more actively participating entrees adding more colour to the picture. The symposium ended on a successful note as the event winners were concluded after fierce clashes by the end of the day and as the student departed from the campus with exhausted yet placated minds with the hopes that the following year packs an even more surprising arsenal of events.



# CSI'S INTRODUCTION TO 2<sup>ND</sup> YEARS



**Computer Society of India** is the first and largest body of computer professionals in India. It was started on 6 March 1965 by a few computer professionals as a non-profit professional meet to exchange views and information allowing learning and sharing ideas. The wide spectrum of members is committed to the advancement of theory and practice of Computer Engineering and Technology Systems, Science and Engineering, Information Processing and related Arts and Sciences and of which our college became a part of during October 2006.

Programming comprises the pillar of computer advancement as algorithms evolve to accommodate and fully utilize a device's efficiency and those individuals who make these prospects into practices armed with knowledge and passion are the coders of this generation.

One of the emerging and highly challenging professions that demand high practicality and skill employment, yet is underappreciated and overshadowed by other branches of science and engineering but such talents that grow even without any recognition and encouragement are only a dime a dozen. Hence initiating the need for a national body to nurture these young minds spurred the creation of one such acclaimed organization, the Computer Society of India.

An introduction on CSI was given to the II<sup>nd</sup> year IT and CSE Students on 14.07.2016. The session began with an introduction by a senior student member belonging to CSI about the importance and benefit of the organization. In JEPPIAAR ENGINEERING COLLEGE, Computer Society of India is represented by our college faculty MR.FENIL from IT department and MR.JESURAJ from CSE department.



Various presentations on CSI were presented to the students to gain knowledge and understanding on CSI. MR. JESURAJ addressed the students on the importance of this society. Then the co-ordinators from IT and CSE department were introduced to the students. The session concluded with a few words from the staff heads coordinating the activities of the organization as he filled in on the final steps and his own experience in the organization.



# GUEST LECTURES >>

It has been proved in more than just a few occasions how the word of the wise has undeniably helped us view our problems in a new light, easing our anxieties about how we are to make our choices for the future.

The Department of Information Technology had arranged a guest lecture on 28th July, featuring well-accomplished alumni from our very own college Mr Sriram Baskaran. He is actively working as a HR executive in Cognizant Technology Solutions providing his services in the field of recruiting and coaching the new recruits to assimilate with the organizations and is responsible for various back-end processes and project management. His contributions to the companies and the computer society include talent management and using his expertise in guiding the trainees for meeting various criteria put by leading companies. He has also initiated many collaborative fronts in association with global companies in projects such as Campus HR, Talent Supply Chain, BU Ops & GWFM and understanding the talent requirement for the business and mapping the trainees as per the requirement, also playing roles in Infrastructure planning.



The third year students were easily drawn in by his amicable personality and the interactive session proceeded with him edifying the students about the internal workings of a company, clearing most of our concerns. His speech was highly pragmatic and inspiring as he carefully elucidated the steps we'd need to follow to build an alluring portfolio.

Mr Sriram was honoured with a memento and the occasion came to a close as the vote of thanks was delivered by our faculty representative, Dr Anbarasu, associate professor along with Mrs Sumathy.



# THE SECOND YEARS

Michael Dinesh Simon is an accomplished alumnus of Jeppiaar Engineering College. He received his undergraduate degree in Information Technology and postgraduate degree in Computer Science engineering. He has been in the IT industry for the past three years. He started his IT career with Wipro Technologies in 2013 and worked with the clients Target Corporation, MasterCard. He has recently moved to Verizon Data services India on April 14. He has been serving as a freelance placement trainer and conducted sessions in SRM Valliammai Engg College, Shri Andal Alagar Engg College. He possess strong expertise in platforms like Non Stop Kernel HP, Unix and Programming languages like COBOL, C, C++, Java. Apart from industrial works, He has also had an immense interest in public speaking and has been a vibrant member of Toastmasters international speaker's forum. He also has an elevated interest in research in the areas of image processing and video retrieval.



The second year IT students were gathered in the seminar hall. The informative speech delivered kept the audience immersed as Mr. Michael shed light on various topics. He was very interactive as he encouraged responses from the audience. It was an eye opening session towards the world of Mobile Application Development. He also suggested us to be ready with any online certification course. The session quickly ended with a few words of gratitude from the student representatives.







## **"NATIONAL PROGRAM AND TECHNICAL ENHANCED LEARNING"**

A PROJECT FUNDED BY MHRD GOVERNMENT OF INDIA. FROM IT DEPARTMENT 80 STUDENTS AND 2 FACULTIES HAVE ENROLLED IN THE FOLLOWING E-COURSES:

- PROGRAMMING IN C++
- SOFTWARE TESTING
- OBJECT ORIENTED ANALYSIS AND DESIGN
- ARTIFICIAL INTELLIGENCE AND PROBLEM SOLVING
- DATA STRUCTURES AND ALGORITHM WITH PYTHON

COURSE DURATION: 18<sup>TH</sup> JULY 2016-12<sup>TH</sup> AUGUST 2016

EXAM DURATION: 18<sup>TH</sup> SEPTEMBER 2016-25<sup>TH</sup> SEPTEMBER 2016

ORGANIZED BY,  
NPTEL LOCAL CHAPTER.

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# **MATLAB**

**MATLAB** standing for Matrix Laboratory – An online system providing machine aid for the mechanical symbolic process encountered in analysis. MATLAB comprises tools used to process both images and videos.



In our department 38 students have enrolled in this class, which is being instructed by MCA department faculty staff Dr.N.Tamilselvi and Dr.S.Lakshmi. The classes are scheduled to last for 2 months.





Preparing Students for Their First Job (and Their Fifth Job), Revature partners with top colleges and universities to provide students with end-to-end, no-risk pathways to high-value careers in coding and software development. Revature recognizes that its elite academic partners do the hard work of equipping students with the essential cognitive skills to become successful professionals. Revature's vision is to provide students with "last-mile" training at no cost: training students on high-demand enterprise-level technologies (free of charge - unlike coding "boot camps"), hiring students and then placing them with leading companies and organizations.

Revature has collaborated with our college and with a screening test has selected around 100 students. Classes for those selected will be arranged in the seminar hall every Thursday during the afternoon session. The classes will be mentored by four officials from the institute and with a total of 14 sessions it will be concluded. At the end of it the students will be merited with a certificate from Revature which will prove to be immensely helpful in bolstering their resume.

 Courses



Member 

Courses

 Most Viewed 8

 All 8

 Java 1

 .NET 3

 Web Tools 4

 All (Member) Courses



Introduction to Java

It has been estimated that over three billion devices currently run Java programs including cell phones and computers. This course covers the basics of Java, an object oriented programming (OOP) language. The course begins with an overview of statements, Strings and classes, before moving on to OOP concepts like inheritance, interfaces, abstract classes, and polymorphism. Advanced topics like reflection, generics, and threads are not covered in this course.

 Level 100 java [Details](#)



Connecting .NET Applications to SQL Server with ADO.NET

Learn how to connect any .NET Application to a SQL Server Database! This course is an introduction to how to create a database using SQL Server and how to use the ADO.NET Data



**A BOTTLE  
OF BLOOD  
SAVED MY  
LIFE. WAS  
IT Yours?**



## BLOOD DONATION CAMP AT JEPPIAAR CAMPUS

The need to address health issues is a growing area of concern and of those one of the more readily solvable ones is the shortage of blood for patients undergoing complex and life threatening surgeries. Donating blood is a matter of moments to a person but can mean a great extension of another's lifespan. It is a way that one can contribute as a person on humanitarian grounds and to a society as a whole.



Blood cannot be manufactured in factories; it can only come from generous donors. To cater to this demand, BloodConnect was launched on 1st April, 2010 as a project under NSS IIT Delhi with an unparalleled objective of solving the problem of blood shortage in India.

Since its inception, the organization has grown a lot in terms of working for this cause. Blood-Connect has developed a 360 degree solution to the problem of blood shortage. And its initial motive is still steps away from reaching completion but a steady progress is patently visible. Annually our college participates in this movement by encouraging its students to extend a helping hand towards its society and setting up a venue on campus whilst providing all necessary equipment to ensure smooth progression of the event.





"CHOOSE A JOB YOU LIKE TO DO AND  
YOU'LL NEVER HAVE TO WORK A DAY"

## CAREER DEVELOPMENT



The Department Of Information Technology had conducted a Career Development Program on 25.07.2016. The classes were demonstrated by Ms. Swarnasudha, Regional Head – Learning & Development Tata Consultancy Services, vibrant HR leader with over 15 years of work experience from associations such as Murugappa Group Of Companies and Tata Consultancy Services.



With a strong belief in the lines "CHOOSE A JOB YOU LIKE TO DO, YOU NEVER HAVE TO WORK A DAY", she has lead challenging assignments and transformed scenarios into result oriented opportunities for all stakeholders involved.



The session started at 10:30a.m, and all the Pre-Final years, around 120 students of IT department assembled in the seminar hall. She explained the basic concepts of VIRTUAL MEMORY. She conveyed the message to the students through her presentation and about the current trends and also how to get adapted to those trends. The session pursued for 2 hours.



# WORKSHOP AT JEPPIAAR : GRID AND CLOUD COMPUTING



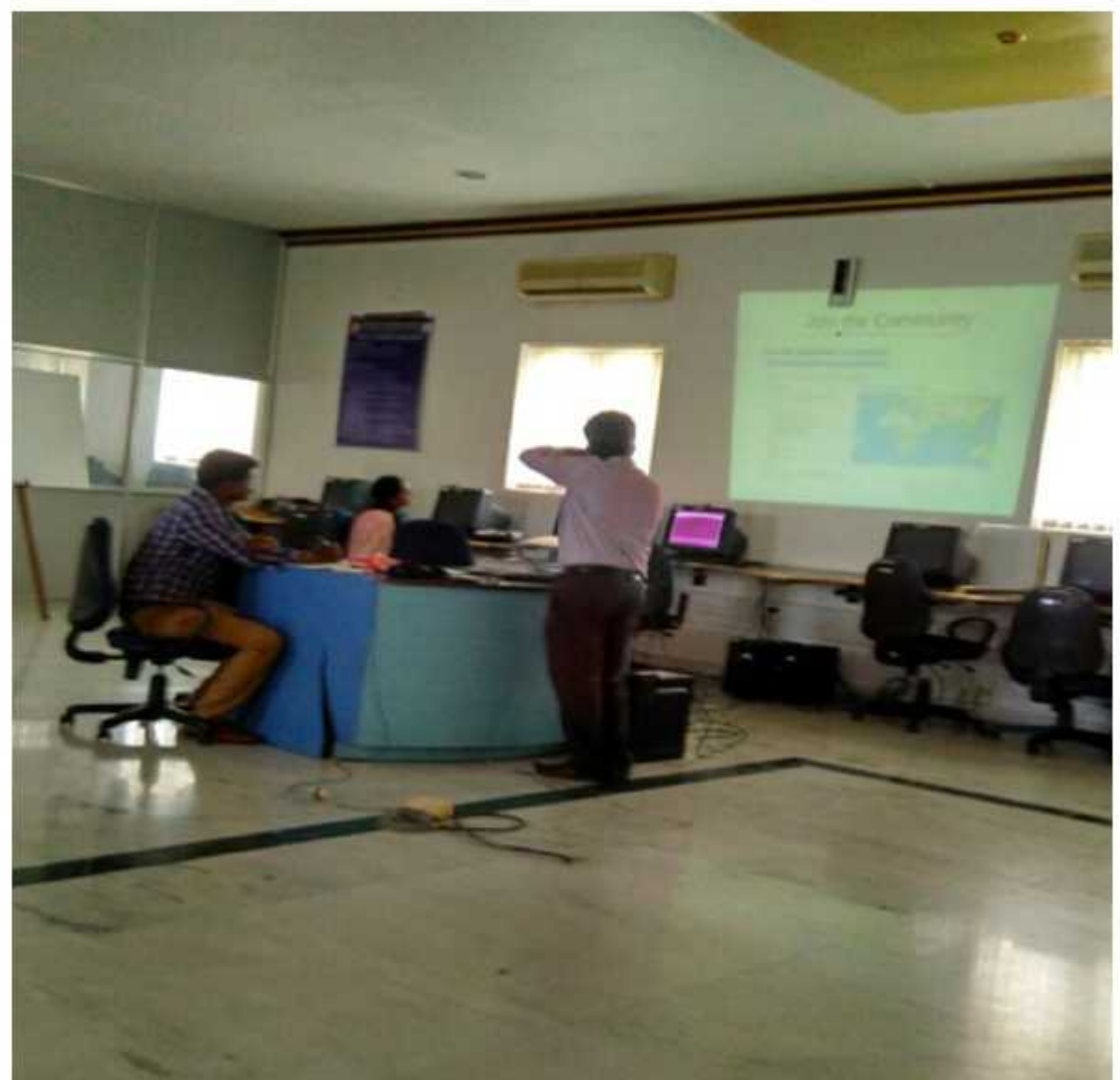
Our department conducted a workshop on the 8th & 9th of July, 2016 hosted by eminent speakers from C-DAC Company, Mr KAILASH and Mr MAHENDRAN. This FDTP was aimed at exposing the young minds to the recent trends in technologies of faculty and industries in grid and cloud environment. Overall 40 students took part in this training programme. In addition to our members we had 8 participants from other colleges as well

We organized this FDTP to promote complete growth of a student by creating revolutionary environment that nurtures critical thinking, dynamism and innovation to transform the students into globally competitive professionals.

Grid computing is the collection of computer resources from multiple locations to reach a common goal. Cloud computing, also known as on-the-line computing, is a kind of Internet-based computing that provides shared processing resources and data to computers and other devices on demand.

## The topics covered are:

- Introduction to virtualization
- Basic Linux Commands
- Introduction to openstack
- Openstack Installation
- Introduction to BIG Data, Hadoop and Map Reduce
- Hadoop Installation
- Introduction to Grid and Globus Tool kit and Hand on globus etc.,





# ACKNOWLEDGMENT

Learning how to think really means learning how to exercise some control over how and what you think. It means being conscious and aware enough to choose what you pay attention to and to choose how you construct meaning from experience. Because being able to exercise this mind-set is the epitome of maturity and growth.

Our seniors, armed and ready to face the challenges of adulthood have demonstrated their resolve and displayed the right attitude we should choose to live by.

As they have advanced onto the next stage of thier lives, striving to work for the realization of their dreams. We the newsletter team represent our classmates as we cheer on the final year students attending their placement tests and to give it their all as it will represent the culmination of their efforts throughout the four years spent on the campus.

And we also welcome the next batch of students into the department as they've only just left behind their lingering feelings of teen hood and decided to grab the ride to success in Jeppiaar Engineering College.

We thank our readers and those who've supported the publication of this issue and hope that you would patronize our newsletter "The Byte"

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