



# JEPPIAAR ENGINEERING COLLEGE

Jeppiaar nagar, Rajiv Gandhi Salai, Chennai-119



BY THE DEPARTMENT OF INFORMATION TECHNOLOGY

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# INTERNET OF THINGS

# What is IoT?

IoT better known as 'Internet Of Things' is an idea from computer science: connecting lights and doors to a computer network to make it intelligent. An embedded system or computer network connects each thing together in a network and to the internet.



# IoT WORKSHOP

The IoT workshop was conducted in our college by Mr Vijay Anand on 28<sup>th</sup> December, attended by staffs from various colleges. He is Director - Engineering in Mobile Terminal Products Group for ARICENT Technologies Limited. He has over 23+ years of experience in the field of Wireless Communications, Embedded Systems and specialized in Middleware & System Design for Connected Vehicles (Car & Motorbike), Connected Home, Connected Aircraft, M2M / IoT & Multimedia Products.





. In this capacity, he directs research activities that drive the state-of-art in the design of next-generation wireless/Multimedia technologies, focusing primarily on NEXT GEN Design architecture for Mobile handheld devices, defines strategy and prepares the Technology Roadmap for ARICENT's Mobile Terminal Products. He has organized and chaired several technical sessions and gave tutorials on "Mobile Device Architecture: Present and Future", "Digital Living Network Alliance", "Fixed Mobile Convergence" at various International Conferences and symposia like NTMS 07, WPMC 07 & MAP. He is a sought after panelist, keynote speaker, and architect on next generation mobile terminals. He has been involved in several international Research projects related to Mobile communication systems. Vijay has 23+ years of experience and has Published, more than 10 Research Papers at major Wireless International Conferences - WTS, WWC, WWRF, IMSAA and COMSWARE and engaged academic Institutions for Research Projects and filed 2 software patents. He is the author for the best-paper award winning articles.



Mr. Vijay throughout the session was highly realistic and stimulating. It was an eye opening session towards the world of IOT, IOE & IOV. He also encouraged the faculties to use IOT in their day to day life for smarter living. The session came to an end with the vote of thanks proposed by the student.





# MOCK INTERVIEW

Experience teaches  
*you*  
what manuals can't

**M**ost companies conduct early interviews so as to find capable and potential candidates. It is a trend now followed by almost all major companies.

Students gear up for them, so that they can perform their best and get recruited. But many times they are not fully able to understand what preparations are needed and hence the CSI members of our college have conducted a mock interview to show them what they will need to improve.

The mock session was conducted for CSI members. The participants were mostly from CSE and IT Departments nearing nearly 40 in numbers. The session was divided into multiple rounds to be able to emulate an actual experience and every participating member was given equal chance to experience all the rounds.

The session was successful as the experienced members of CSI were able to correct many misconceptions that the students had and provided pointers on where each can improve. At the end two members, one from CSE and IT cleared all rounds successfully.

The 40 participants were first tested in an online round where they were made to answer aptitude questions. Based on the rank order, half of them were eliminated and the rest proceeded to the interview rounds.

For the next round, the CSI members prepared a series of questions to put us through an interview round. The rounds were each focused on : Technical knowledge and Communication skills. Factors such as quick witted-





# GO GREEN PROJECT

## – JPR ROTARACT CLUB

JPR ROTARACT club laid the first stone on 29 FEBRUARY, 2016. It is a service, leadership, professional and community service organization for young men and women. Rotaract focuses on the development of young adults as leaders in their communities and workplaces. Clubs around the world also take part in international service projects, in a global effort to bring peace and international understanding to the world.



Changes are not only possible and predictable, but to deny them is to be an accomplice to one's own unnecessary vegetation. Our college rotaract club has initiated a "GO GREEN PROJECT" to impart the necessity of green environment and terrace vegetation. The project commenced on 5 JANUARY, 2016.



Terrace garden is new trend for having surrounded by nature. Terrace garden not only gives rich look to the house but it is also helpful in providing good health. Our students are split into various teams and each team is assigned a specific Rotrarion. Terrace vegetation is imparted in all rotrarions houses. 12 students are assigned to this project from IT department. This project summoned up that Vegetation is the basic instrument the creator uses to set all of nature in motion.

The students are set to visit the rotrarions house weekly once to monitor the growth of saplings till it gets harvested. After one crop has grown and harvested, another plant can be planted in its place. This works better in places with a long growing season, but even with a shorter season, lettuce planted in spring is often done in time to plant another batch.

Nature is man's best friend. It is only in the lap of nature one can forget all the worldly worries. Nature has the power to provide that comfort and peace which one requires. This project continues for about 16 weeks.



# PONGAL

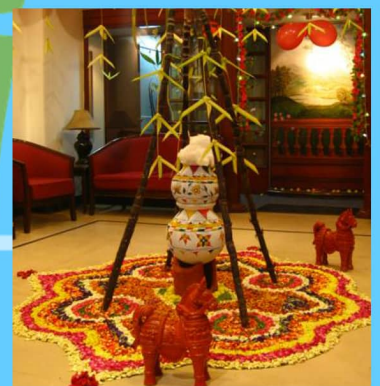
Pongal is a harvest festival, thanking the sun god for agricultural abundance. Thai Pongal is a four-day festival which according to Tamil Calendar is normally celebrated from January 14<sup>th</sup>. This corresponds to the last day of Tamil month Maargazhi. The origin of pongal festival may date to more than 5000 years ago.



Epigraphic evidence suggests the celebration of the puthiyeedu during the medieval Chola empire days. In India every state celebrate in different names, Tamil people refer to Pongal as "Tamizhar Thirunaal", the festival of Tamils. The day marks the start of the sun's six-month-long journey northwards (uttaraayanam). This also corresponds to the indic solstice when the sun purportedly enters the 10th house of the Indian zodiac makara or Capricorn.

Part of the celebration is the boiling of the first rice of the season consecrated to the sun. The day preceding Pongal is called Bhogi. On this day people discard old belongings and celebrate new possessions. The disposal of wornout items is similar to the traditions of holika in north India. The people assemble at dawn in Tamil Nadu to light a bonfire in order to burn the discards. Houses are cleaned, painted and decorated to give a festive look. The horns of oxen and buffaloes are painted in villages.

In Tamil Nadu farmers keep medicinal herb in northeast corner of each fields, to prevent crops from diseases and pests. The main event, also known as thai pongal, takes place on the second of the four days. This day coincides with the makara sankranthi, a winter harvest festival celebrated throughout India. During the festival, milk is cooked in a vessel. When it starts to bubble and overflows out of vessel, freshly harvested rice grains are added to the pot. At the same time other participants blow a conch.





They also recite "thai pirandhal vazhi pirakkum" (the commencement of new opportunities). The pongal is then served to everyone in the house along with savories and sweets. Tamilians decorate their homes with banana and mango leaves and embellish the floor with decorative patterns drawn using rice flour. Family elders present gifts to the young. The sun stands for "pratyasksha brahman" - the manifest god who symbolizes the one, non dual, self-effulgent, glorious divinity blessing one and all tirelessly.

The sun is the one who transcends time and also the one who rotates the proverbial wheel of time. Maatu pongal is celebrated the day after pongal. Tamil regard cattle as sources of wealth for providing dairy products, fertilizer, and labor of plowing and transportation.

On maatu pongal, cattle are recognized and afforded affectionately. Features of the day include gaming events such as the jallikattu and taming bull. Kanu pidi is a tradition for women and young girls. During this, women feed birds and pray for their brothers well being. As part of the celebration, women and girls place a feast of colored rice, cooked vegetables, banana and sweet pongal.

On this day celebrants bathe and decorate their cattle with garlands. Cows are decorated with turmeric water and oil. One ritual is to light a torch of coconut leaves and carry it around cattle three times and then run to the border of the village to drop it.

This is believed to remove the evil influences caused by the jealousy of the other people over the cattle. Kannum Pongal, the fourth day of the festival, marks the end of pongal festivities for the year. The word "kaanum" in this context means "to visit". Many families hold reunions on this day. Brothers pay special tribute to their married sisters by giving gifts as affirmation of their filial love. Landlords present gifts of food, clothes and money to their tenants. Villagers visit relatives and friends while the city people flock to beaches and theme parks with their families. Thus this harvest festival is celebrated worldwide by Tamilians.







Republic Day is celebrated in India on 26th day of January every year.

India became an Independent Nation on 15th August, 1947. On 26th January, 1950 India was formerly declared Republic. In Republic, the supreme power is held not by a monarch, but by the elected representatives of the people, along with an elected President. So this day is celebrated as the Republic Day. It is a National holiday.

## 26 JANUARY INDIA REPUBLIC DAY

Teachers and members of the college had all been a part of this event. The students took part as they displayed various entertaining performances, themed with the significance of the day.



Jeppiar celebrates this special day, attended by its important guests grandly.



The college has also started its plantation drive on this auspicious day. with great views and expectations of the future, the college continues to flourish as it steadily moves closer to meet its ideals.



Students of schools and colleges are very keen to celebrate this event and starts preparation around a month before. Students performing well in the academic or other fields of are honored with awards.



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