SRI SAIRAM ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY

PROUDLY PRESENTS

XTROFEST'19

E P I T O M E   O F   O U R   M I S S I O N

The Department of Information Technology emerged in the year 1999 in Sairam Institutions with the intake of exiguous students. It has now evolved quintessentially with an admirable admission of about 120 aspiring students each year, joining hands with a dedicated team of erudite faculty.

Teaching alone does not make any institution one among the best. Our department finds pleasure in organising many events throughout the year, some of which are Symposiums, Conferences and events in association with the IEEE Society. The department makes the students industry-ready with the best training in the RedHat Linux, Oracle Academy and CISCO Academy Certifications.

The department of Information Technology is proud in hosting XTROFEST, a national level technical fest to be held on August 21 and August 22 of 2K19. It comprises of a 24 hour technical hackathon, product demonstration, code day and pitch fest event.

E D I T O R I A L   B O A R D

CHIEF EDITOR: Dr T.Sheela

ASSOCIATE EDITOR: **EDITORS & DESIGNERS:**

Mrs.T.Subha

SRI RANJANI P	IV YEAR
RANJANA V	IV YEAR
GAYATHRI S	IV YEAR
SHANMUGHA PRIYA G	IV YEAR

"Technology like art is a soaring exercise of the human imagination"
                                                -Daniel Bell

Department highlights

The department has received Academic Excellence Award for the year 2018.

The department has bagged the Best Industry linked institution award in the prestigious AICTE-CII Survey of industry-linked technical institutions.

Department of Information Technology Signed MoU with IT-ITeS Sector Skills Council, Nasscom.

Department of Information Technology has organized an International Seminar on Design and Innovation.

Department of Information Technology has Organized 5 Days Faculty Development Programme on "Cloud Security And Block Chain Technology" in association with ISTE .

Department of Information Technology organized 13 days training program on "Skill Training in Technology and Soft Skills " in association with ICT Academy and CSS Corp.

SPARK PLUGS OF IT

RANK HOLDERS

SATHYA MALA N
RANK : 9
YEAR :2018

VIJAY SHRI G
RANK : 10
YEAR :2018

INTERNSMELA 2019

Department of Information Technology has initiated "**Internsmela**" for providing Internships to third year students to help them gain professional experience from industry.

EXOTICA 2K19

Ramya.S and Parvathy Krishna.G has received First Prize with Cash of Rs.3000 for their Project "Smart Cane for Visually Impaired based on IoT" in exotica 2k19 conducted by Jeppiaar Institute of Technology.

BUOYANCI IoT INNOVATION CHALLENGE

Mankala Swetha.N, Pavithra Lakshmi S.P & Ms.Vanmathi.V has won Third Prize in National Level Project Innovation Challenge 2018 for their project "Wearable Device for Blinds - Guide to Pick Surrounding Objects".

IEEE EDUCATION GRANT AWARD

Eniyan Aravind.S , Sreeram.G and Srinivasa Raghavan M (2015-2019)has received a grant approval of **$500** from IEEE Standards Education Grant Award provided by IEEE Standards University for their project with an appreciation of **Rs.35000/-** .

SAITECH GRAIL

IT Department has organized SAI TECHGRAIL'19 and Mini Project Exhibition for third year students on 12.03.19.

FROM THE HOD'S DESK

Dear Readers,

I take prodigious pleasure in issuing the new edition of our news-letter XTROFEST.

The Department of Information Technology has always been a harbinger in bringing new brainstorms to light. Intrinsically, we have featured all the activities and accomplishments in this domain.

The key objective of XTROFEST is to establish a hotspot of recent and upcoming trends in technology. We take this initiative to introduce students to the intellectual innovations and emerging technologies and expose

them to the underlying domain of knowledge. This publication also honors achievers and includes elements to instill motivation and confidence in students.

I encourage my students to avail this prime opportunity to build self-esteem, agility, and acquire insight to attain success. I would like to acknowledge my gratitude towards the management for aiding us to transform this vision into reality.

Regards,
*Dr.T.Sheela, Prof & Head
Dean [N/W]*

Quality Policy:
We at Sri Sai Ram engineering college are committed to built a better nation through quality education with team spirit. Our students are enable to in all values of life and become good citizens. We continually improve the system, infrastructure and service to satisfy the students ,parents ,industry and society.

XTROFEST

We are ecstatic to present the most envisaged event of the year "XTROFEST" which signifies the extraction of the ideas through a fest. This event paves way for exceptional ideas to boom out with a great bang.

This symposium embodies prevalent events at offbeat dimensional innovations & inventions grapple together **"Int Elligence;"** . Product demonstration event to promote one's idea "**CONTRIVANCE**". Its an arena to exhort your eminent ideas "**PITCH FEST**". A special event where one's coding knowledge will be evaluated "**CODE DAY**".

We take immense pleasure in extending our gratitude towards the judges for cordially consenting to preside over the events, to all the participants and coordinators for their benign cooperation and support.

D A T A   A N A L Y T I C S

As an enormous amount of data gets generated, the need to extract useful insights is a must for a business enterprise. Here are 4 main factors which signify the need for Data Analytics: **Gather Hidden Insights** – Hidden insights from data are gathered and then analyzed with respect to business requirements. **Generate Reports** – Reports are generated from the data and are passed on to the respective teams and individuals to deal with further actions for a high rise in business. **Perform Market Analysis** – Market Analysis can be performed to understand the strengths and the weaknesses of competitors. **Improve Business Requirement** – Analysis of Data allows improving Business to customer requirements and experience.

As the word suggests Data Analytics refers to the techniques to analyze data to enhance productivity and business gain. Data is extracted from various sources and is cleaned and categorized to analyze different behavioural patterns. The techniques and the tools used vary according to the organization or individual. So, in short, if you understand your Business Administration and have the capability to perform Exploratory Data Analysis, to gather the required information, then you are good to go with the career in Data Analytics.

Data analytics technologies and techniques are widely **used in** commercial industries to enable organizations to make more-informed business decisions and by scientists and researchers to verify or disprove scientific models, theories and hypotheses.
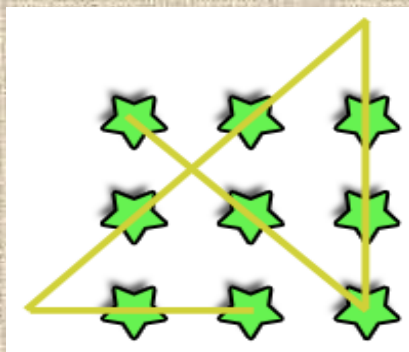
Real-time data systems can provide information about activity on a network within seconds – depending on how sophisticated or involving the analysis part is. The potential applications of real-time data analytics are far-reaching, says Ciaran Dynes, VP of products at open-source software company Talend. He says public services and private enterprise could use real-time data in many ways, from ensuring public safety to detecting fraud as it happens. Many of the analytics engines are being built on massive cluster computing systems such as Hadoop MapReduce, Apache Storm, and Apache Spark. Google, IBM and Amazon are among others who also distribute computing platforms to offer real-time analytics. However, much of the infrastructure for real-time deployment is still being developed and many of the services are relatively new.

"Data really powers everything that we do"

WAY IN STARS

In the figure, you can see nine stars. What you have to do is connect all of them by using just four line and without lifting your hand i.e. in a continuous flow. Can you find a method to achieve it?

To do this, you needed to think out of the box. If you see the answer figure, you will understand what we are talking about.

STUDENTS'S CORNER

Kavimani.S IV Year IT-C

Mehrunnisha.S IV Year IT-C

Vishuva Pandi.P   IV Year. IT-B

Keerthana.S III Year IT-A

Kanthimathinathan A IV Year IT-C

Jaya Surya.G IV Year IT-C

CHIEF GUEST

Natarajan is the Co-Founder, Director & CEO at Voice Snap Services Pvt. Ltd, India. He is a Senior Management professional with 30+ years of experience including 4 years in successful start-up, 14 years in manufacturing,12 years in IT and shared services domain. He has worked in various organizations like Cognizant technology solutions, Accenture, HCL, Wipro, Lason Inc., and Murugappa Group. His global market/client exposure includes USA, UK, Africa and Middle East.

Senthilnathan S is a Vice President, Atos Global IT Solutions, Global Deliver Centre Head – India.Started carrier in 1990 with Videocon International, Aurangabad and moved to New Delhi worked with few IT companies until 1998 from 1991, worked with HCL Infosystems from 1998 to 2001 @ Bangalore, joined NCR Corporation in 2001 @ Chennai and moved to Mumbai in 2002, working in Atos for the last 11 years from 2008. Started as Delivery Head in 2008 and many other roles like managing the Infrastructure team, Network team, Internal IT team before started working as a GDC Head since 2014.

VISION

To emerge as a "Centre of Excellence in the field of IT" offering Technological Education and Research opportunities of high standards to students, develop high degree of digital knowledge and skill set, making our students technologically superior and ethically strong, who in turn shall contribute to the advancement of society and humankind.

MISSION

M1 Provide quality education in Information Technology and also create technologically new and intellectually inspiring environment.

M2 Focus on research and development of technologies by engaging in value added courses and on evolution of digital environment.

M3 Design and Develop state -of-the art on learning, creativity, innovation and inculcate in them ethical, social and moral values.

M4 Establish continuous Industry Institute Interaction, participation and collaboration to contribute job oriented skilled IT Engineers by improving their entrepreneurial skills.