T E C H B I Z ' 2 3

DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

HIGHLIGHTS

- **Industry-Relevant Curriculum designed by TCS and approved by AICTE.**

- **Mandatory Industrial training supported by TCS.**

- **Internship & Live project opportunities at TCS for eminent students.**

- **Active mentoring by Experts from TCS**

- **High standard of teaching, learning and evaluation processes monitored by TCS.**

- **Innovative dual Course that includes Technical and Management Studies which is the need of the hour.**

ABOUT CSBS

B Tech Computer Science and Business Systems (CSBS) is a spanking-new innovative forward looking 4 years undergraduate course designed by India's leading IT Service and Consulting Company – TCS to cater to the rising need of engineering talent with skills in technology. This dual course feeds the knowledge of students with not only the core topics of computer science but also develops an equal understanding of humanities, human values and business discipline. The main intent of the course is to impart knowledge of cutting-edge technologies and management skills with hands-on exposure. The programme will provide industry-ready engineers who are capable of using the latest computer technology in developing a business world and can drive innovation and add value to the organization and the nation in the era of Business 4.0. The students are exposed to knowledge in the recent trends such as Computational Statistics, Cognitive Science & Analytics, Machine Learning, Software Development Models, Design Thinking, Financial Management, Services Science & Service Operational Management, Marketing Research, and Marketing Management.

EDITORIAL TEAM

ARULNITHI R G	JAYASHREE T J
GAYATHIRI VARSHA A S	KEERTHANA S

FROM THE DESK OF HOD

I, on behalf of the department of CSBS, take immense pride and pleasure in releasing our second edition of the Newsletter **"TECHBIZ'23"**.

"Information Technology & Business are becoming inextricably interwoven "

-Bill Gates

At the core of today's modern economy, two things are important. One is Technology & the other is Business. That's why Sri Sairam Engineering college launched an innovative industry-relevant program which aims to create engineers with a Business perspective by introducing B.Tech in Computer Science & Business Systems. This Newsletter provides the perfect insights about the vision & objectives of the department of CSBS and takes us on a journey which brings out all the highlights of the department including important events that took place. The publication also includes all our achievers in order to honour them and encourage others to emulate the success of their peer. We release this Newsletter every 6 months in the hope that it encourages the students to make use of this platform and widen their horizons. I would like to thank our management for helping us transform the vision of "TECHBIZ'23" into reality. Last but not least, I appreciate the editorial team for their marvelous work.

Dr.M.Ananthi
HOD/CSBS

ASSOCIATION MEMBERS

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Chairperson

NARESH G
Secretary

THARUN RAJ
Joint Secretary

VAISHNAVI S
Treasurer

MAGIC MEMBERS

GAYATHIRI VARSHA A S
Mastermind

ARULNITHI RG
Advocate

LOKESWARI S
Guide

PRAVEEN BALAJI S
Influencer

AJAI K
Communicator

STUDENT ARTICLE

Vision of Excellence

~Article by Aathrayee Shankara Narayanan

ROLE OF MACHINE LEARNING IN INFORMATION SECURITY

As the use of technology increases, the risk of cybersecurity threats also increases. Cybersecurity threats have become more sophisticated and frequent, and traditional security measures have struggled to keep up. In the recent years, machine learning and artificial intelligence has emerged as a promising solution for detecting and preventing cyber threats.

Machine learning is a subset of artificial intelligence (AI) that involves building systems that can automatically learn and improve from information and experience without being manually programmed for every possible condition.

WHY MACHINE LEARNING IN INFORMATION SECURITY?

- Machine learning is a subset of artificial intelligence (AI) that involves building systems that can automatically learn and improve from information and experience without being manually programmed for every possible condition.
- Machine learning algorithms can analyze large amounts of data and identify patterns and anomalies that could indicate security risks.
- Machine learning can also be used to automate responses to cyber threats.
- Machine learning algorithms can be trained to detect types of threats and automatically take appropriate actions to eliminate them. For example, machine learning algorithms can be trained to isolate infected systems or block malicious traffic.
- Machine learning algorithms may be trained on enormous volumes of data to find patterns and correlations that can be used to anticipate and stop upcoming cyberattacks.
- Machine learning techniques may be used to spot abnormalities or variations from the norm that can be signs of a possible danger.
- Machine Learning in Information security is a common application in banking sectors wherein machine learning algorithms can analyze transaction data and identify patterns that could indicate fraudulent activity. This allows financial institutions to detect and prevent fraudulent transactions.
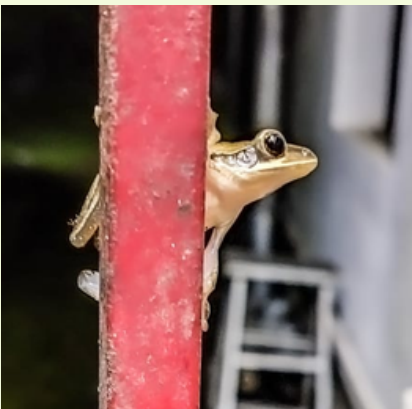
PIXELLENCE

Capturing the MOMENT

Aathrayee S N

Arutchelvi J

Sai Sunil Kumar R K

Keerthana S

Aravinth S M

Dhivyadharshini K

QUIZ-ZONE

WHICH AMERICAN COMPANY IS THE WORLD'S LARGEST PHARMACEUTICAL COMPANY BY REVENUES ?
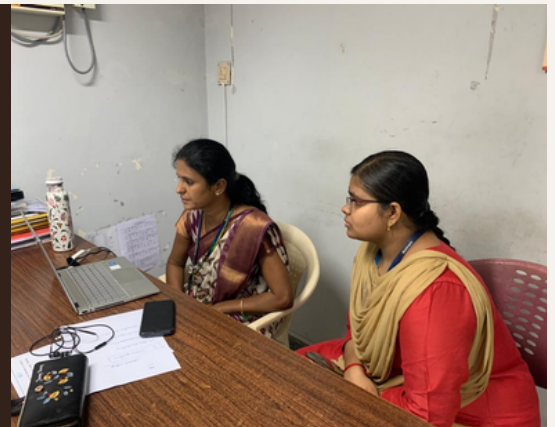
ACHIEVEMENTS

SMART INDIA HACKATHON'22

Team MASTER MAGGOT bagged the prize amount of Rs.1,00,000/- in Smart India Hackathon'22 .

UBA PROJECT FUNDING

Sree Lakshmi and team presented their project on "Cataract and Glaucoma detection system" and received fund of Rs. 50,000/- from the UBA.

SDG IDEATHON CHAMPIONS

Department of CSBS bagged the overall SDG Ideathon champions award for consecutive 2 years (2021 & 2022).

EDII-TN PROJECT FUNDING

Team EVOLUTION received Rs. 2,00,000/- funding for their Startup from Ministry of MSME, Tamilnadu.

ACHIEVEMENTS

INTERNATIONAL HACKATHON

Deepak.N bagged the prize amount of Rs.1,00,000/- in SIH 2022 and got selected to participate in the UNESCO INDIA-AFRICA International Hackathon for his tremendous success in SIH.

DEFENCE INDUSTRY CONNECT

Two teams from the department of CSBS got shortlisted for the final round in Defence Industry connect 1.0 for their DISC#6 project.

CHILD PRODIGY AWARD

Keerthana S has been awarded with the Child Prodigy award 2022 for being amongst top 100 pridigies of the world.

IEEE HAC/SIGHT PROJECT FUND

Manish M and team received project funding of 4000 USD from IEEE HAC/SIGHT for the project "Rural Solar Electrification Station".

ACHIEVEMENTS

PAPER PRESENTATION

Barath S and team presented a paper on "Applications of Geospatial Technologies in Logistics and supply chain management" held at Anna University CEG Campus and bagged the 4th place.

DESIGNTRIX'22

Sai Sunil Kumar and Vishwanath bagged up the 1st prize of cash reward Rs.5000/- in Designtrix'22 organised by R.M.K Engineering college.

EPICS IN IEEE

Team Brigadiers and Team Tertiary Vision received project funf of 1300 USD and 746 USD from EPICS in IEEE.

ENTREPRENEURSHIP CONCLAVE

Three teams from the department of CSBS had bagged up the prestigious top 15 positions out of 200 teams at National Entrepreneurship Conclave 2023.

ACHIEVEMENTS

PATENT PUBLICATION

Balaji and team published patent for their project "Effective lighting management system in Automobiles using Peltier and Seebeck modules".

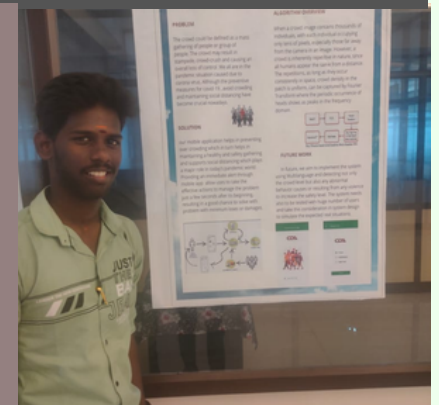Sree Lakshmi and team published patent for their project "Cataract and Glaucoma Detection system".

PAPER PUBLICATION

Dhivyasharshini K and team published paper for their project "Student Attendance tracking system" in IEEE Xplore.

Haribabu N and team published patent for their project "Stampede control system" in IEEE Xplore.

STUDENT ARTICLE

Vision of Excellence

~Article by Keerthana S

ASPIRE TO INSPIRE

Aspirations are common to every individual in life.

Do we have any limit to aspire in this universe? The only thing we can take for granted is our dreams. Our dreams keep changing when we meet different kinds of people. Refusing to take steps to implement aspirations is the biggest failure that many of us realised later. Time once lost is never retrieved. Small steps can help us to reach the destination that we dreamt off. Analyse your inner self and make a plan to achieve your aspiration. A minimum spend of 10 minutes wholeheartedly every day can help you to stay on track and updated. At times, we lose track. The inspiration to get back is to start and imagine the winning moment in life. Seek what sets your soul on fire.

Few of us may lack in planning & few lack in execution. Set priorities and work on them for better execution. A delayed task can lead to the total destruction of the plan.

Ever imagined how all these complex machines work on time? The secret behind it is **"Teamwork"**. So whenever you fail in executing tasks, remember that you are answerable to the future. Prepare your mind as if you are the main operating officer assigned with the tasks to be completed within the deadline.

The higher officer is the future who never minds at the moment, but keeps you hurting in the upcoming days.

"A little progress each day adds up to big results"
And remember not everyone successfully executes & brings their aspirations true. Achieving amidst your problems makes you unique and that is the real victory! Plan, execute & face the future with a strong will.

CONSULTANCY PROJECTS

INDUSTRIAL COLLABORATION

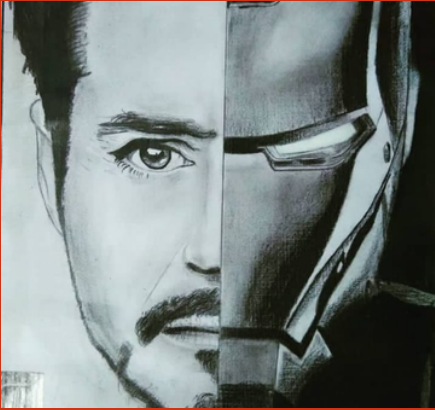**TATA CONSULTANCY SERVICES**

Build Hr

PAXEL TECHNOLOGIES

VEI Technologies

DID YOU KNOW ?

CLOUD COMPUTING IS THE #1 MOST IN-DEMAND HARD SKILL ACCORDING TO LINKEDIN
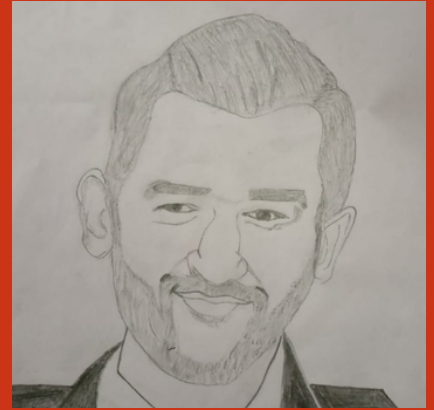
ART GALLERY
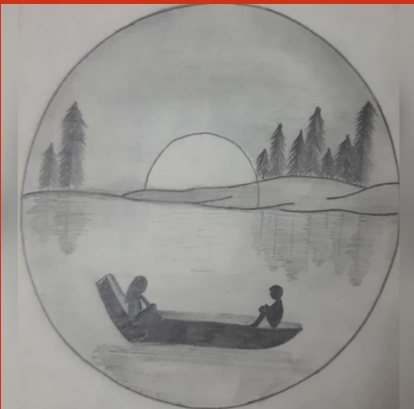
Shaping the world of CREATIVITY
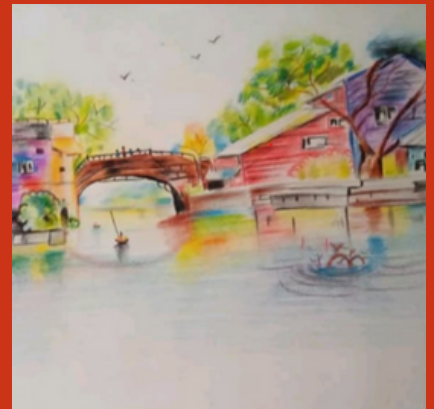

Tharun Raj R G

Suretha S

Jayashree

Priyanka R

Abinaya G

Niharika G L K

CONNEXION

 + + =

FUNZONE

Spot the difference

I'M WHERE
YESTERDAY
FOLLOWS TODAY
AND TOMORROW
IS IN THE MIDDLE

WHO AM I?

SCAN FOR ANSWERS

LIFE IS A GAME . PLAY IT.

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