TECH BYTES

News Bulletin

June 2020 - May 2021

NANDHA ENGINEERING COLLEGE

(An Autonomous Institutions Affiliated to Anna University, Chennai & Approved by AICTE, New Delhi)

Vaaikaalmedu, Perundurai Road, Erode - 638052 Tamilnadu

T E C H B Y T E S
DEPARTMENT OF COMPUTER APPLICATIONS

Contents

Department Vision

Department of Computer Applications aspires to become a technically advanced department on par with international standards through continuous improvement. To provide value, need based quality education to upgrade the talents of students.

Department Mission

Department of Computer Applications is committed to

- *provide quality education and training in software technology*
- *prepare the students for equipping them to contribute technically to the software industry.*
- *pursue in every area to provide training to develop professionalism among the students and set path to leadership.*

Principal's Message

The two major qualities of a truly educated individual are the ability to think with clarity and intellectual inquisitiveness. Today the value-based education is the only help for synthesizing the moral fabric of individual and sure the young Department of Computer Applications offers the value-based education in all aspects. I'm sure this edition is the great effort to showcase their efforts. I wish them all the very best.
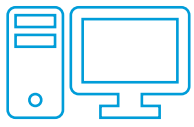
Dr. N. Rengarajan
Principal

Director's Message

It is a matter of great pride and satisfaction for Nandha Engineering College to bring out the TECHBYTES *News Bulletin for the academic year 2020-21 released from the Department of Computer Applications. The side spectrum of articles in different reactions gives me a sense of delights that our students and professors possers creative potential and innovative thinking in ample measures. A News Bulletin is like a mirror which reflects the clear picture of all sorts of activities undertaken by a department. My heartfelt congratulations to the team who took the responsibility for the arduous task most effectively.*

Dr. J. Senthil
Director

T E C H B Y T E S
DEPARTMENT OF COMPUTER APPLICATIONS

ASSOCIATION ACTIVITIES

Association of MCA Chimera carried out several activities in this Academic Year 2020-2021. The office bearers carry out these activities with determination and due diligence which shows in the Curricular and Co-Curricular listed below with pride.

ASSOCIATION INAUGURAL FUNCTION

The inaugural function of Chimera was held on 24th December 2020. The office bearers were introduced by Ms. K. E. Eswari, ASP - MCA, and the presidential address was given by our principal Dr. N. Rengarajan.

SECRETARY

SOWNDHAR M

FINAL YEAR

JOIN SECRETARY

KEERTHANA

PRE – FINAL YEAR

TREASURER

GUHAN D

Final Year

Key Operations

And other 10 Executive members were inducted into the association.

The First Computer Weighed More Than 27 Tons

Executive Members:

Karuppusamy K - Final MCA

Mohanasundaram A - Final MCA

Sabitha S - Final MCA

Vijayarohinin S - Final MCA

Sarath Kumar R - Pre-Final MCA

Raveenthiran S - Pre-Final MCA

Sanmugapriya G - First MCA

Sedhu M - First MCA

Emayavarman V - First MCA
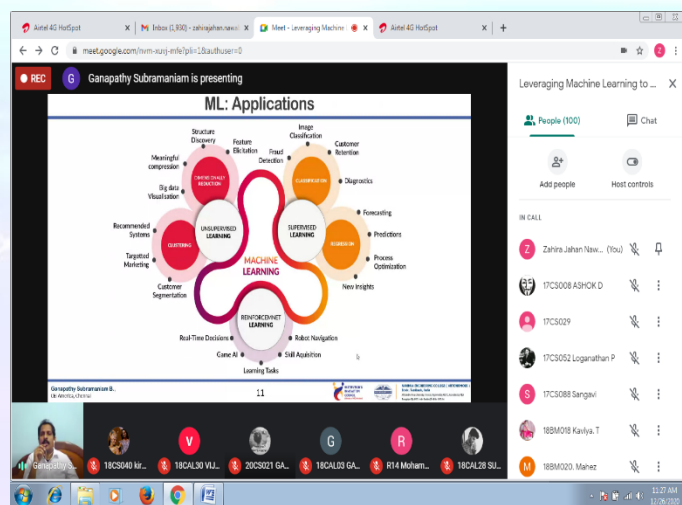
Vengatesh S - First MCA

INDUSTRIAL SEMINAR

Association of MCA Conducted Industrial Webinar "AI and Machine Learning" on 11.07.20 and the resource person was Mr. B.Ganapathy Subramaniam, Technical Project Manager, CEI America Pvt Ltd, Chennai.

He shared his know how on this topic which helped update the technical knowledge of our students. At the end of this workshop, students gained knowledge on latest technologies.
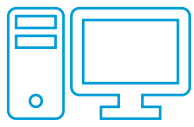
INDUSTRIAL SEMINAR

Association of MCA and Institution's Innovation Council (IIC) Conducted a Machine Learning Webinar "Leveraging Machine learning to drive Innovation Process" on 26.12.2020 by Mr.B.Ganapathy Subramaniam, Technical Project Manager, CEI America Pvt Ltd, Chennai.

During the student interaction at the end of Workshop, Mr. B.Ganapathy Subramaniam gave tips to prepare for placement, importance of basic knowledge in programming languages, scope of projects and skills for survival in IT companies.

ORIENTATION SESSION

Association of MCA and Institution's Innovation Council (IIC) was Conducted an Orientation Session on Innovation and IPR on 30.01.2021.

SKILL UPGRADATION - FACULTY MEMBERS

- K.E.Eswari & N.Zahira Jahan were attended International Webinar on "Overview of Document Image Analysis' on 12th June 2020 at Gobi Arts and Science College, Gobi.

- K.E.Eswari and N.Zahira Jahan were attended One Day FDP Webinar on "Role of IQAC in Ensuring Quality in Higher Educational Institutions"(Online Mode) on 20th June 2020 at Sri DurĀa Malleswara Siddhartha Mahila Kalasala, Vijayawada.

- K.E.Eswari, was attended Webinar on Data "Visualization towards Data Science" (Online Mode) on 24th June 2020 at Francis Xavier Engineering College, Tirunelveli.

- K.E.Eswari, was attended Webinar on "Data Science on Professional Growth Webinar on Data Science on Professional Growth" (online Mode) on 26th June 2020 at JAIN school of commerce.

- K.E.Eswari, was attended Technical Webinar series on Trends using Internet of Things(IoT) (Online Mode) on 10th June 2020 at Mount Zion College of Engineering and Technology.

- K.E.Eswari & N.Zahira Jahan were attended International Webinar on "Tableu for Data Visualization" on 17th June 2020 at Nandha Engineering College, Erode-52.

- K.E.Eswari & N.Zahira Jahan were attended IQAC Seven days Webinar series on Quality enhancing Strategies to confront the Challenges of Revised Accreditation & Assessment Framework of NAAC on 22nd July 2020 to 28th July 2020 at Erode Arts and Science College, Erode

- K.E.Eswari, was attended Webinar on "Data Science and its Applications" on 17th August 2020 at Paavai Engineering College.

- K.E.Eswari & N.Zahira Jahan were attended FEP on Database Management through INFYTQ Platform on 3rd August 2020 to 8th August 2020 at Infosys Limited (Online Mode).

- K.E.Eswari & N.Zahira Jahan were attended FDP On Concepts and Applications of Data Science (Phase I) from 16th November 2020 to 28th November 2020 at Sri Sakthi Institute of Engineering and Technology, Coimbatore (Online Mode).

- K.E.Eswari was participated an event on "Leveraging Machine learning to drive Innovation Process" on 26.12.2020 at Nandha Engineering College, Erode-52.

- S.Sambasivam has participated an event on "Leveraging Machine learning to drive Innovation Process" on 26.12.2020 at Nandha Engineering College, Erode-52.

- N.Zahira Jahan was attended Virtual Webinar on Wireless Sensor Networks on 14th June 2020 at Nandha College of Technology.

- N.Zahira Jahan was attended webinar on NAAC Accreditation Management System Demo on 18th June 2020 at Inpods (Online Mode).

- N.Zahira Jahan was attended webinar "Online Super Session on Future of Education" on 18th June 2020 at Skycampus, ICTACT Academy.

- N.Zahira Jahan was attended webinar "Tools and Techniques in Web Pentesting & Bug Bounty" on 22nd June 2020 at Nandha Arts & Science College, Erode.

- N.Zahira Jahan was attended International webinar "Deep Neural Network based Data Reconstruction for Landslide Prediction" on 24th June 2020 at IEEE & Computer Society of India Karunya Chapter, Karunya Institute of Technology and Sciences.

- N.Zahira Jahan was attended International webinar "Resilience: The Secret to Success in the workplace" on 27th June 2020 at Alpha Arts & Science College.

- N.Zahira Jahan was attended National webinar "Creativity with Passion leads to Leadership" on 29th June 2020 at G. Venkataswamy Naidu College, Kovilpatti.

- N.Zahira Jahan was attended National webinar "Vice Chancellor's Conclave - Post COVID Education Scenario - Will libraries weather storm or wilt away?" on 3rd July 2020.

- N.Zahira Jahan was attended National webinar "Python for Data Science" on

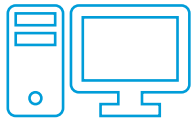23rd June 2020 at Misrimal Navajee Munoth Jain En gineering College.

- N.Zahira Jahan was attended International Webinar - Internet of Things (IoT) & its Applications on 18th December 2020 at Nandha Arts and Science College.

- N.Zahira Jahan was attended International Webinar - Machine Learning Algorithms for Healthcare on 9th February 2021 at Nandha Arts and Science College.

- N.Zahira Jahan was attended International Webinar Intelligent Robotic Process Automation on 21st May 2021 at Mohamed Sathak A.J. College of Engineering, Chennai.
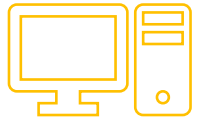
PAPER PUBLISHED / PRESENTED

- Mr.R.Navin Kumar & Mr.G.Abishek, "Block Chain Food Supply Chain Management", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2, March 2021, ISSN: 2394 - 2231, Vol.–08(02) 2021 [1-4].

- Mr.C.Mani & Mr.S.Arul, "Research of a Possibility of using Blockchain Technology without Tokens to Protect Banking Transactions", International

Journal Of Computer Techniques - IJCT, Volume 8 Issue 2, March 2021, ISSN: 2394 - 2231, Vol.–08(02) 2021 [1-6].

- Mr.C.Mani & Ms.P.Gayathri, "Eye Pupil movement based Cursor Mechanism", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2, March 2021, ISSN: 2394 - 2231, Vol.–08(02) 2021 [1-5].

- Ms.K.E.Eswari & Mr.V.Gobinath, "Statistical Nearest Neighbors for Image Denoising", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2, March 2021, ISSN: 2394 - 2231, Vol.–08(02) 2021 [1-4].

- Ms.N. Zahira Jahan & Mr.M.Gokul, "Implementation of Customer Purchase Prediction using Machine Learning Techniques", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2, March 2021, ISSN: 2394 - 2231, Vol.–08(02) 2021 [1-6].

- Mr.C.Mani & Mr.V.Gopalakrishnan, "Music Recommendation based on music characteristics and user intrinsic components", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2, March 2021, ISSN: 2394 - 2231, Vol.–08(02) 2021 [1-11].

- Mr.S.Sambasivam & Mr.D.Guhan, "Differential privacy preserving of training model in wireless big data with

edge computing" , International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2, March 2021, ISSN: 2394 – 2231,Vol.–08(02) 2021 [1-8].

- Ms.K.E.Eswari & Ms.K.Indhu, "Discriminative Athendication based Oppertunistic Routing in wireless sensor network with trust worthy path mechanism", International Journal of Engineering and Techniques - IJET, Volume 8 Issue 2, March 2021,ISSN:2394-2231, Vol.–08(02) 2021 [1-8].

- Mr.S. Jagadeesan & Ms.R. Indhumathi, "Image Security enhancement with Vigenere Knight's Tour and advanced Encryption standard technique", International Journal of Engineering and Techniques - IJET, Volume 8 Issue 2, March 2021, ISSN: 2394 - 2231, Vol.–08(02) 2021 [1-11].

- Ms.N. Zahira Jahan & Ms.V. Karthika, "Improving the Response Time of M-Learning and cloud computing environment using superior element Multitude Optimization", International Journal of Engineering and Techniques - IJET , Volume 8 Issue 2, Mar 2021,ISSN:2394-2231, Vol.–08(02) 2021 [1-8].

- Mr.C.Mani & Mr.K.Karuppusamy, "Large scale urban vehicular network

framework with user level mo bile node based optimal content delivery", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2, March 2021,ISSN:2394-2231,Vol–08(02) 2021 [1-12].

- Ms.N.Zahira Jahan & Mr.P.Karuppu samy, "Plant leaf shape clustering and ROT Detection", International journal of engineering and techniques - IJET, Volume 8 Issue 2, March 2021,ISSN:2394- 2231,Vol.–08(02) 2021 [1-6].

- Mr.C.Mani & Mr.V.Madhan Kumar, "Adverse Medicine Reaction Analysis using support vector machine model", International Journal Of Computer Techniques - IJCT , Volume 8 Issue 2, March 2021, ISSN: 2394 - 2231, Vol.–08(02) 2021 [1-9].

- Mr.S.Sambasivam & Mr.M.Mahendran, "Ontology based Disease Prediction using D-Matrix", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN:2394- 2231, Vol.–8(02) 2021[1-5].

- Mr.S.Jagadeesan&Mr.S.N. Mathivanan, "Drowsiness Detection System", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2-
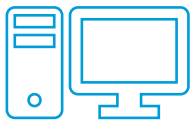
MIT Has Computers That Can Detect Fake Smiles

March 2021, ISSN: 2394 - 2231, Vol.–8(02) 2021 [1-5].

- Mr.C.Mani & Mr.K.Karuppusamy, "Large scale urban vehicular network framework with user level mobile node based optimal content delivery", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021,ISSN:2394-2231, Vol.–8(02) 2021 [1-12].

- Mr.R.Navin Kumar&Ms.B. Neelampari, "Investigating the schedulability of periodic real-time tasks in virtualized cloud environment", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN: 2394 - 2231, Vol.–8(02) 2021 [1-8].

- Ms.N. Zahira Jahan & Mr.M.Prakash, "IOT Based smart attendance system with body temperature measurement", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN: 2394 - 2231, Vol.–8(02) 2021 [1-7].

- Ms.N. Zahira Jahan & Ms.K. Priyanka, "Effective Prediction of patient admission in hospital using data mining classification analytical tool", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN: 2394 - 2231, Vol.–8(02) 2021 [1-6].

- Mr.R.Navin Kumar & Mr.P.Sarath Kumar, "Bayesian Polytrees with learned deep features for multi-class cell segmentation", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN: 2394 - 2231, Vol.–8(02) 2021 [1-5].

- Mr.S.Sambasivam & Mr.J.Senthil Kumar, "Data copy Sweeper", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN: 2394 - 2231, Vol.–8(02) 2021 [1-5].

- Mr.S. Jagadeesan & Ms.P.Shanmuga priya, "Data Analysis of consumer complaints in Banking Industry using K means clustering and sentiment analysis", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN: 2394 - 2231, Vol.–8(02) 2021 [1-5].

- Ms.K.E.Eswari & Mr.P.Sivanandham, "Enhancement of market data partitioning scalability and high diamentionality management using Deep Learning", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN: 2394 - 2231, Vol.–8(02) 2021 [1-5].

- Mr.S.Sambasivam & Mr.M.Sowndhar, "Digital voting system using block chain technology" , International Journal Of

Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN:2394 - 2231, Vol.–8(02) 2021 [1-6].

- Mr.S.Sambasivam & Mr.A.Seenivasan, "A Survey on network embedding cognitive radio environment", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN:2394 - 2231, Vol.–8(02) 2021 [1-5].

- Mr.S. Jagadeesan & Mr.G.Sunil Sharma, "Crop yield prediction using temperature and rainfall parameters prediction", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN: 2394 - 2231, Vol.–8(02) 2021 [1-7].

- Mr.R.Navin Kumar & Mr.M.Thirumoorthi, "Blockchain Based Health Care Administration", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN: 2394 - 2231, Vol.–8(02) 2021 [1-9].

- Ms.K.E.Eswari & Ms.S.Vijaya Rohini, "Diabetes Disease Prediction using machine learning and deep learning techniques", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN: 2394 - 2231, Vol.–8(02) 2021 [1-6].

- Ms.K.E.Eswari & Mr.A. Mohana sundaram, "Face Recognition Based Attendance system using deep learning approach", International Journal Of Computer Techniques - IJCT, Volume 8 Issue 2- March 2021, ISSN: 2394 - 2231, Vol.–8(02) 2021 [1-8].
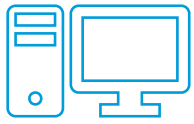
SKILL UPGRADATION - STUDENTS

- 9 Nos. of I Year Students participated in Orientation Session on "Road Map for Patent Protection" organized by the Department of MCA and Institution's Innovation Council (IIC), Nandha Engineering College, held on 29.05.2021.

- 10 Nos. of I Year Students participated in International Webinar on "Intelligent Robotic Process Automation" organized by the Centre for Robotic Process Automation and Institution's and IIC, Mohamed Sathak A.J College of Engineering, held on 21.05.2021.

- 6 Nos. of I Year Students participated an event on "Leveraging Machine Learning to Drive Innovation Process" organized by the Institution's Innovation Council (IIC) and Department of MCA, Nandha Engineering College, held on 26.12.2020.

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- Savitha G. of I Year Student participated in "Career Opportunities on Banking, Insurance and Financial Sectors-Webinar" organized by the Department of Management Studies, Nandha Engineering College, held on 18.05.2021.

- 2 Nos. of I Year Students participated in Webinar on "ML in ADAS" organized by the Department of Electronics and Communication Engineering, Hindusthan Institute of Technology, Coimbatore in association with IEEE Students held on 19.05.2021.

- 2 Nos. of I Year Students Completed National Level Online Quiz on "Power System Analysis" organized by the Department of Electrical & Electronics Engineering, Mandsaur University, Mandsaur held on 12.05.2021.

- 4 Nos. of I Year Students participated in Webinar on "Emerging Research Areas of Heterogeneous Network in Wireless Communication" organized by the Department of Electronics and Communication Engineering, Hindusthan Institute of Technology and Institution's Innovation Council (IIC) held on 21.05.2021.

- 2 Nos. of I Year Students participated in One Day National Level Webinar on "Designing of MAC Protocols for Wireless Communication" organized by the Department of Electronics and Communication Engineering, Hindusthan Institute of Technology, held on 20.06.2021.

- 2 Nos. of I Year Students participated in One Day National Level Webinar on "IOT Sensors with Cloud Logging" organized by the Department of Electronics and Communication Engineering, Hindusthan Institute of Technology, held on 29.05.2021.

- 2 Nos. of I Year Students participated in Online Quiz on "Artificial Intelligent and Machine Learning" organized by the Department of Computer Science and Applications, Mandsaur University, Mandsaur held on 07.05.2021-12.05.2021.

- Ushananthini D. of I Year Student participated in the International Webinar on "Internet of Things (IOT) & It's Applications" organized by the Department of Computer Applications, Nandha Arts and Science College held on 18.12.2020.

- Ushananthini D. of I Year Student completed Online Course on "Intro to Graphic Design with Photoshop" by Great Learning Academy, on May 2021.

- Ushananthini D. of I Year Student completed Online Course on "Video

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Bill Gates' house was designed on a Mac computer   **Loading....**

Editing Basics" by Great Learning Academy, on May 2021.

- Dharmaraj R. of I Year Student participated in Orientation on "New National Education Policy-2020" organized by the Institution's Innovation Council (IIC) and Center for innovation & Product Development (CiPD), held on 20.01.2021.

- Dharmaraj R. of I Year Student participated in 2 Days Webinar on "Image Dehazing" organized by Department of ECE, Department of EEE, Technology and Center for Embedded and IOT and IIC, Mohamed Sathak A.J College of Engineering, held on 27.05.2021 & 28.05.2021.

- Dharmaraj R. of I Year Student participated in National Level Online Quiz on "Renewable Energy" organized by Department of Electrical and Electronics Engineering, Mandsaur University, Mandsaur, held on 15.05.2021.

- Dharmaraj R. of I Year Student participated in National Level Online Quiz on "Power Plant Engineering" organized by Department of Electrical and Electronics Engineering, Mandsaur University, Mandsaur, held on 18.05.2021.

- Dharmaraj R. of I Year Student participated in "Bharathi Ninaivu Noodradu Kavithai Pooti" organized by Bharathi Ninaivu Noodradu Kaviarangham, held on 25.06.2021.

TECHBYTES
DEPARTMENT OF COMPUTER APPLICATIONS

PLACEMENT ACHIEVEMENT

During the Academic year 2020-2021, the placement of the ON drive and OFF drive in various MNC companies are given below.

- SOWNDHAR M is placed in Accenture, Bengaluru with Salary around Rs. 3.00 Lakhs per annum.

- GAYATHRI P is placed in Schmell Softwares, Coimbatore with Salary around Rs.2.00 Lakhs per annum.

- GOKUL M is placed in Schmell Softwares, Coimbatore with Salary around Rs.2.00 Lakhs per annum.

- INDHU K is placed in Schmell Softwares, Coimbatore with Salary Around Rs.2.00 Lakhs per annum.

- MOHANASUNDARAM A is placed in Schmell Softwares, Coimbatore with Salary around Rs.2.00 Lakhs per annum.

- NEELAMPARI B is placed in Tech Mahindra with Salary around Rs.3.00 Lakhs per annum.

- THIRUMOORTHI M is placed in Schmell Softwares, Coimbatore with Salary around Rs.2.00 Lakhs per annum.

- SABITHA is placed in Accenture, Bengaluru with Salary around Rs.3.00 Lakhs per annum.

- GOPALAKRISHNAN V is placed in Mobitech, Perundurai.

- KARUPPUSAMY K is placed in Uniflyn, Coimbatore.

- MAHENDRAN M started Youtube Channel.

- SUNIL SHARMA G is placed in QIQ Solutions, Coimbaore.

- VIJAYA ROHINI is placed in Park Groups of Companies, Coimbatore.

T E C H B Y T E S
DEPARTMENT OF COMPUTER APPLICATIONS

ALUMNI CORNER

Mr. Sampathkumar T T
Technology Lead
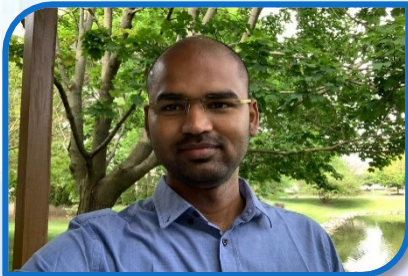**Infosys Limited, Chennai**

Ms. Sabitha Selvaraj
Application Development Associate
Accenture, Bengaluru

Mr. Marimuthu Rajangam
AGS Health Pvt Ltd
Chennai

Ms. Aishvarya Varadharajan
Associate Technical Engineer
IBM India Pvt Ltd, Bengaluru

Mr. Krishnakumar Murugasamy
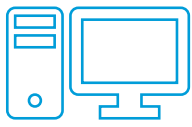**Senior Software Engineer**
Saggezza Inc., Chicago

Mr. Prabhu G
Assistant Consultant
TCS, Kochi

Mr. Gowthaman C
Flutter Developer
Nexware, Coimbatore

Ms. Srimathi Manivasagam
Sr. Software Engineering
CGI, Chennai

T E C H B Y T E S
DEPARTMENT OF COMPUTER APPLICATIONS

OUR RECRUITERS

**2021 BATCH
PLACED STUDENTS**

Editorial Team: Dr.E.K.Vellingiriraj (Professor & Head)

Mrs.K.E.Eswari (Associate Professor)