

SONA COLLEGE OF
TECHNOLOGY
Learning is a Celebration!



Department of Information Technology

B. Tech -IT B. Tech-AI&DS M.Tech-IT

INFOZYN MAGAZINE

2023-2024

INFOZYN MAGAZINE 2023-2024

INFORMATION TECHNOLOGY - VISION AND MISSION

VISION OF THE DEPARTMENT

To become a front-runner in preparing graduates to be efficient problem solvers, researchers, innovators and entrepreneurs, and making them competent professionals by enabling them to take up any kind of challenges in Information Technology industry or research organizations they serve.

MISSION OF THE DEPARTMENT

MD1	Offer high-quality undergraduate and post graduate programs in order to prepare our graduates to become leaders in their profession.
MD2	Provide best infrastructure facilities to achieve excellence in teaching-learning process and research
MD3	Enhance the students' knowledge in the latest technologies by organizing and participating in technical programs.
MD4	Provide suitable forums to exhibit the creative talents of students and faculty members.
MD5	Prepare the students and faculty to solve challenging real world problems through strong research and development.

Program Educational Objectives (PEOs)

In their careers, our graduates will

1. Implement computing solutions for real world problems and carry out basic and applied research leading to new innovations in Information Technology (IT) and related interdisciplinary areas.
2. Apply knowledge of societal impacts of information technologies in the course of their career related activities ethically and appropriately.
3. Have strong communication and interpersonal skills, broad knowledge, and an understanding of multicultural and global perspectives to work effectively and ethically in multidisciplinary teams, both as team members and leaders.
4. Engage in life-long learning, to remain current in their profession and obtain additional qualifications to enhance their career positions in IT industries.

Programme Specific Outcome (PSO)

- On completion of the B.Tech (Information Technology) degree the graduates will be able to
- Analyze and recommend the appropriate IT infrastructure required for the implementation of a project.
- Design, develop and test software systems for world-wide network of computers to provide solutions

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FACULTY ACHIEVEMENTS

36th National Convention of Computer Engineers and National Seminar on “Blockchain Technologies for Artificial Intelligence of Things (AIoT)” conducted on Oct 16th and 17th 2023.



IBM in collaboration with AICTE and Smartinternz has conducted Hack Challenge 2023 contest for the students across India. Dr.S.R.R.Senthil Kumar, Principal and Dr.V.Mohanraj, Prof./IT has received the award for one of the “Top Performing College” award during felicitation ceremony conducted in IBM, Bengaluru.



Dr.K.Thangaraj-ASP/IT, has been elected as “**Chairman for IEI Salem Local Centre, Salem**” for the Institution of Engineers (India) from the year 2023 to 2025.



Dr.J.Akilandeswari, HOD/IT, has been honored for completing her 25 years of service at our institute.



Dr.J.Akilandeswari, HOD/IT, has been honored as “**Best Academician Award**” by IEI Tamilnadu State Centre during the Centenary Celebration at Tamilnadu State Centre on 15.12.2022.



Dr.P.Ilanchezhian, Associate Professor, IT Department for being awarded the **“ISTE BEST CHAPTER SECRETARY AWARD 2022”**, during the ISTE Tamilnadu section Annual Faculty Convention for Engineering Colleges held on 25th March 2022



Organized 3 Days **FDP on "Microsoft AI Engineering"** in association with ICT Academy during 19th June, 2023 to 23rd June 2023.



Dr.J.Akilandeswari, HOD/IT, Dr. V. Mohanraj Prof- IT & Mr. M. Murali AP-IT has been honored by the **SALEM CITY POLICE** for developing an app titled “Migration Safe - Salem City” which is used to maintain record of all migrant worker and also keep track of their safety.



புதிய செயலி அறிமுகம் !

வடமாநில தொழிலாளர்களின் நலனை கருத்தில் கொண்டு அவர்களின் பாதுகாப்பினை உறுதி செய்யும் பொருட்டு Migrant Careapk ஆன்ராய்ட் செயலி அறிமுகம் செய்யும் நிகழ்ச்சி சேலத்தில் நடைபெற்றது.

சேலம் மாநகர காவல் ஆணையாளர் விஜயகுமாரி கலந்து கொண்டு செயலியை அறிமுகம் செய்து வைத்தார்.

Dr. J. Senthilkumar Prof /IT - SPoC award received at IIT Madras during July 2022 to Jan 2023.



During Feb 10th and 11th 2023 , **TECH ZEAL 2023 (ONLINE MODE)** – A 32 Hours **National Level Hackathon** contest was organized in collaboration with the industry **IBM , Smartbridge India Private Limited, Hyderabad, Telangana and Rx Data**

SONA COLLEGE OF TECHNOLOGY
Learning is a Celebration!
(An Autonomous Institution)

Department of
Information Technology
B.TECH - IT, B.TECH - AI&DS, M. TECH - IT

in Collaboration With **SMARTBRIDGE**

TECH ZEAL 2023
32 Hours Online Hackathon
10th & 11th | February 2023 **ONLINE**

THEME

- Smart Environmental Monitoring
- Natural Language Processing
- Smart Health Care

Visit: www.sonatech.ac.in/techzeal2023
To Know Problem Statements and Process Flow

TOTAL PRIZE WORTH
Rs. 50,000

TO REGISTER
SCAN ME

Register Now
<https://forms.gle/gZc1KKAImCP1kdW9>

IMPORTANT DATES

Event	Date
Registration Starts	- 22.11.2022
Idea Nomination End Date	- 31.01.2023
Idea Presentation	- 03 & 04.02.2023
Grand Finale	- 10 & 11.02.2023

Contact
Mr.N.Selvanathan - 9952311856 | Mr.K.Karthick - 9952658793
techzeal2023@sonatech.ac.in

SONA COLLEGE OF TECHNOLOGY

Date: 11.02.2023

PAY **TECH BITES**

रुपये RUPEES **TEN THOUSAND ONLY/-** या धारक को OR BEARER अदा करें **₹Rs. 10,000**

024601000023866

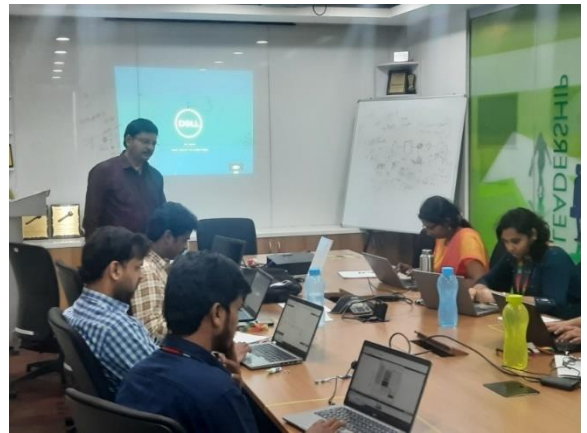
Indian Overseas Bank
SURAMANGALAM BRANCH(246)
4, Subramania Nagar II, Junction Main Road, Salem - 636 005, SRM
2010/MSP/ISB 36 IFS Code : IOBA0000246

TECH ZEAL 2023

PROBLEM STATEMENT 03
AUTOMATE E-COMMERCE CUSTOMER SERVICE CHAT SUMMARIZER

Tech Zeal 2023 - Feb 11th - Valedictory Programme-20230211_183311-Meeting Recording

Mr. P. Manikandan - IT CISCO CCNA Training was given to the employees of Hubble India ltd, Chennai for 5 days (02.01.2023 - 05.01.2023) and generated with ₹ 50,000



STUDENTS ACHIEVEMENTS

Ms. Preethika L, Ms. Thulluru Poojitha, and Mr. Shobhan Kumar R Final Yr ADS won Runner up in RefCold India 6th Edition with a Cash Prize of Rs.50,000/- presented by Hon'ble Minister for Milk and Dairy Development, Government of Tamil Nadu - Mr. Mano Thangaraj and other Dignitaries from ISRAE Organization on 14th of October 2023



Mr. Kaamal VN, Ms Harshita MS, MsAbbijannane of final Year IT and Mr Vishal V of Third Year of IT has participated and secured “Runners Up” along with prize money of Rs. 20,000/- Intel OneAPI challenge hosted by Intel in partnership with Hack2skill on July 2nd 2023 along with their mentor Mr. NaveenKumar A AP/IT



Mr Rosan Aniruth, MrRagavaa ,MrJeyavel,Mr Ram Prakash have won a hackathon in the event-“Insightx -23” conducted by Bannari Amman Institute of Technology on 07/10/2023.



Mr. Harikrishna of Final Yr IT, Mr. Ragul R, Mr. Adhithiyan R, Mr. Vishal V, Ms. Brinda S, Ms. Aasima thanzeem of third Yr IT along with Mr. Naaganathan, Mr. Nishanth Ram, Ms. Nandhini had participated and secured the runner up position in PSGiTech Hackfest 2023 hosted on 24th of August 2023



Speakers Forum event - 2023 Prize winners of IT dept - B.Tech IT and B.Tech ADS



Akil Sadik - B.Tech ADS third year- Best of Best Contest Prize Winner 2022-2023



Ms. Aathmiga S has participated in the 30 Hours Non-Stop Coding Contest, “Impathon 3.0- Image Processing Hackathon”2023 conducted by Department of ECE, Sona College of Technology, held on 7th& 8th November 2023.



Mr.Harikrishna, Ms.Brindha, Ms.AasimaThanzeem, Mr.Ragul,.Mr.Adhithiyan have participated in the Empower 2023 conducted by IITM Research Park.



Sport: Interzonal Fencing Women

Name : Thulluru Poojitha (IT Dept IV Year ADS)

Place : Paavai Engineering College Event : Sabre

Prize : (Gold) & 5000 INR Date: 12-12-2023 & 13-12 2023



Sport: Handball zone

Name : Sarathi G S

Place : Paavai Engineering College. Prize : Winners

Date: 31/10 /2023



Sport: Football zone

Name : Sarathi G S

Place : Government Engineering College, Salem.

Prize : Winners

Date : 3/11/2023 & 4/11/ 2023



Sport : Football Interzone

Name: Sarathi G S

Place :Adhiyaman Engineering College, Hosur Prize : III Prize

Date : 3/12/2023 & 4/12/2023



NPTEL FACULTY ACHIEVEMENT

NPTEL TOPPER 1% to 5% by NPTEL, IIT Madras during July 2023 to December 2023.

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
J AKILANDESWARI
for successfully completing the course

Introduction to Machine Learning

with a consolidated score of **85** %

Online Assignments	22.92/25	Proctored Exam	62.24/75
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Total number of candidates certified in this course: **3449**

Jul-Sep 2023
(8 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS87S45540312 To verify the certificate No. of credits recommended: 2 or 3

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SINDHU L
for successfully completing the course

Python for Data Science

with a consolidated score of **77** %

Online Assignments	25/25	Proctored Exam	51.67/75
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Total number of candidates certified in this course: **7596**

Jul-Aug 2023
(4 week course)

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL23CS99S35541532 To verify the certificate No. of credits recommended: 1 or 2

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
JEBA EMILYN J
for successfully completing the course

Teaching and Learning in General Programs: TALG

with a consolidated score of **83** %

Online Assignments	24.17/25	Proctored Exam	58.5/75
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Total number of candidates certified in this course: **429**

Jul-Aug 2023
(4 week course)

Prof. G. L. Sivakumar Babu
Chairman, Center for Continuing Education
IISc Bangalore

Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore

Indian Institute of Science Bangalore

swayam

Roll No: NPTEL23GE45S45540987 To verify the certificate No. of credits recommended: 1 or 2

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SASIKALA M
for successfully completing the course

Cloud Computing

with a consolidated score of **82** %

Online Assignments	25/25	Proctored Exam	56.51/75
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Total number of candidates certified in this course: **16686**

Jul-Oct 2023
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS98S54600353 To verify the certificate No. of credits recommended: 3 or 4

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
JEBA EMILYN J
for successfully completing the course

Data Structure and Algorithms Using Java

with a consolidated score of **88** %

Online Assignments	24.38/25	Proctored Exam	64/75
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Total number of candidates certified in this course: **3896**

Jul-Oct 2023
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS85S846002272 To verify the certificate No. of credits recommended: 3 or 4

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
LYDIA D ISAAC
for successfully completing the course

Introduction to Industry 4.0 and Industrial Internet of Things

with a consolidated score of **82** %

Online Assignments	24.56/25	Proctored Exam	57/75
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Total number of candidates certified in this course: **9534**

Jul-Oct 2023
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS82S546002263 To verify the certificate No. of credits recommended: 3 or 4

NPTEL DISCIPLINE STARS (JUL-DEC 2023)-Faculty

Max Weeks: 56



Dr J Senthilkumar

Faculty

Max Weeks: 52



SHANMUGARAJA P

Faculty

Max Weeks: 52



Rajkumar S

Faculty

Max Weeks: 56



KARTHICK K

Faculty

Max Weeks: 60



S David Samuel Azariya

Faculty

STUDENTS NPTEL DISCIPLINE STARS (JUL-DEC 2023)



ONLINE CERTIFICATE COURSE NPTEL

S. No.	Faculty Name	Course Title	Date(from)	Date(to)
1	Dr.J.Akilandeswari	Introduction to Machine Learning	01.07.2023	30.09.2023
2	Dr.V. Mohanraj	Cyber Security and Privacy	01.07.2023	30.10.2023
3	Dr.J.Senthilkumar	Cyber Security and Privacy	01.07.2023	30.10.2023
4	Mr. P. Sakthivel	Python for Data Science	01.07.2023	31.08.2023
5	Mr.K.Karthick	Introduction to Industry 4.0 and Industrial Internet of Things	01.07.2023	30.10.2023
6	Mr. B. Mohanraj	Programming, Data Structures and Algorithms Using Python	01.07.2023	30.09.2023
7	Ms. R. Sangeethapriya	Social network analysis	01.07.2023	10.01.2023
8	Ms. I. Janani	Social network analysis	01.07.2023	10.01.2023
9	Mr. A. Naveen Kumar	Distributed systems	01.07.2023	30.09.2023
10	Mr. P. Sakthivel	Cloud Computing	01.07.2023	30.10.2023
11	Ms. P. Kruthika	Cloud Computing	01.07.2023	30.10.2023
12	Ms. M. Sasikala	Cloud Computing	01.07.2023	30.10.2023
13	Ms. L. Sindhu	Python for data science	01.07.2023	01.08.2023
14	Mr. A. Velusamy	Introduction to IoT	01.07.2023	30.10.2023
15	Mr. A. Velusamy	Python for data science	01.07.2023	01.08.2023
16	Mr. C. Santhosh Kumar	Ethical Hacking	01.07.2023	30.10.2023

17	Dr. K. Thangaraj	C Programming And Assembly Language	01.07.2023	30.10.2023
18	Ms.D.Lydia Isaac	Introdution to Industry 4.0 and Industrial Internet of Things	01.07.2023	30.10.2023
19	Dr. K. Thangaraj	Teaching and Learning General	01.07.2023	01.08.2023
20	Ms. D. Komalavalli	Python for Data Science	01.07.2023	01.08.2023
21	Dr. R. Subhashini	Cloud Computing	01.07.2023	30.10.2023
22	Dr. P. Shanmugaraja	Training of Trainers	01.07.2023	30.10.2023
23	Dr. P. Shanmugaraja	Cloud Computing	01.07.2023	30.10.2023
24	Mr. P. Dineshkumar	Python for Data Science	01.07.2023	01.08.2023
25	Ms. L. Sindhu	Big data Computing	21.08.2023	13.10.2023
26	Dr. R. Subhashini	Big data Computing	21.08.2023	13.10.2023
27	Ms.A.C.Charumathi	Data science	15.09.2023	23.09.2023
28	Ms.A.C.Charumathi	Tools for data science	18.09.2023	23.09.2023
29	Ms.A.C.Charumathi	Python for data science,ai and development	16.10.2023	21.10.2023

ONLINE CERTIFICATE COURSE EVEN SEM 2023

S. No	Faculty Name	Courses	Course Title
1.	Dr. J. Akilandeswari	NPTEL	Fundamental Algorithms: Design and Analysis
2.	Dr.V.Mohanraj	SWAYAM	Information Security
3.	Dr.J.Senthilkumar	SWAYAM	Information Security
4.	Dr.Y.Suresh	SWAYAM	Information Security
5.	Dr. P. Shanmugaraja	NPTEL	Total Quality Management
6.	Dr. J. Jeba Emilyn	NPTEL	Design Thinking - A Primer
7.	Dr. P. Iyyanar	NPTEL	Software Testing
8.	Dr. K. Thangaraj	NPTEL	Computer Networks and Internet Protocol
			Introduction to Database Systems
9.	Dr. R. Subhashini	NPTEL	Cloud Computing and Distributed Systems
10.	Mr. S. David Samuel Azariya	NPTEL	Deep Learning
			Foundation of Cloud IoT Edge ML
11.	Mr. J.L. Aldostalin	NPTEL	Design Thinking - A Primer
12.	Ms. Lydia D. Isaac	NPTEL	Foundation of Cloud IoT Edge ML
13.	Mr. U.K. Balajisaravan	NPTEL	Introduction to Internet of Things
14.	Mr. M. Murali	NPTEL	Introduction to Internet of Things
15.	Ms. D. Komalavalli	NPTEL	Blockchain and it Applications

			Cloud Computing and Distributed Systems
16.	Mr. K. Karthick	NPTEL	Introduction to Internet of Things
17.	Mr. N. Selvanathan	NPTEL	Introduction to Internet of Things
18.	Mr. S. Rajkumar	NPTEL	Introduction to Internet of Things
19.	Mr. A. Velusamy	NPTEL	Cloud Computing
20.	Ms. J. Deepika	NPTEL	Emotional Intelligence
21.	Mr. C. Santhosh Kumar	NPTEL	Privacy and Security in Online Social Media
22.	Ms. R. Sangeethapriya	NPTEL	Cloud Computing
23.	Mr. A. Naveen Kumar	NPTEL	Blockchain and it Applications
24.	Ms. I. Janani	NPTEL	Cloud Computing
25.	Mr. R. Krishna Prakash	NPTEL	Privacy and Security in Online Social Media
26.	Ms. P. Kruthika	Udemy	Natural Language Processing in Python for Beginner

LIST OF JOURNAL PUBLICATION DURING THE YEAR 2023

Name of Authors with Designation	Name of the Journal	Title of the Paper	year
Dr. J. Akilandeswari	Information Technology and Control	HybDeepNet: A Hybrid Deep Learning Model for Detecting Cardiac Arrhythmia from ECG Signals	Jul-2023
Naveenkumar A	European Chemical Bulletin	Face-To-Face with AI and the Digital Revolution are the Global Financial Exchanges	Jul-2023
Naveenkumar A	European Chemical Bulletin	An outline of the use of AI Technology and the Technologies it Powers in the Indian Financial Services Sector	Jul-2023
Thangaraj K	Homomorphic Encryption for Financial Cryptography	Various Attacks on the Implementation of Cryptographic Algorithms	Aug-2023
D. Komalavalli	Algorithms for Intelligent Systems - Proceedings of International Conference on Communication and Computational Technologies	An Optimal Server Selection Model for Dynamic Task Allocation in Cloud	Sep-2023
C. Santhosh Kumar	Journal of Advanced Research in Applied Sciences and Engineering Technology	Reliable and Secure Data Transfer in IoT Networks using Knight-Tour and PHLSB Method	Oct-2023
C. Santhosh Kumar	Algorithms for Intelligent Systems - Proceedings of International Conference on	Identification and Classification of Skin Diseases with Erythema Using YOLO	Oct-2023

	Paradigms of Communication, Computing and Data Analytics	Algorithm	
Dr. P.Iyyanar, Dr.J.Akilandeswari	PRZEGLĄD ELEKTROTECHNICZNY	Smart Vaccination Reminder System for Children Using Cross Stack Development	Oct-2023
Dr. P. Shanmugaraja	Lecture Notes in Networks and Systems	Bipolar Disease Data Prediction Using Adaptive Structure Convolutional Neuron Classifier Using Deep Learning	Oct-2023
Dr. Y. Suresh	Journal of Machine and Computing	Computational Engineering based approach on Artificial Intelligence and Machine learning-Driven Robust Data Centre for Safe Management	Oct-2023
Dr. R. Subhashini	Journal of Intelligent & Fuzzy Systems	Improving sleeping quality and health under CPS: An analysis based on EEG data and support vector machine algorithm	Nov-2023
Dr. P. Ilanchezhian	Ad Hoc & Sensor Wireless Networks	Gated Capsule Networks for Intrusion Detection Systems to Improve the Security of WSN-LOT	Nov-2023
Dr.P. Shanmugaraja	Ad Hoc & Sensor Wireless Networks	An Efficient Clustered M-path Sinkhole Attack Detection (MSAD) Algorithm for Wireless Sensor Networks	Feb-2023
Dr.Jeba Emilyn	Mobile Computing Solutions for Healthcare Systems	Smartphone-Based Real-Time Monitoring and Forecasting of Drinking Water Quality using LSTM and GRU in IoT Environment	Feb-2023

Dr. K. Thangaraj	Enterprise Information Systems	Eagle Strategy Arithmetic Optimisation Algorithm with Optimal Deep Convolutional Forest Based FinTech Application for Hyper-automation	Mar-2023
Dr.V.Mohanraj	Intelligent Automation and Soft Computing	Hyperparameter Tuning for Deep Neural Networks Based Optimization Algorithm	Mar-2023
Dr. R Subhashini	COMPUTERS & INDUSTRIAL ENGINEERING	Hybrid honey badger-world cup algorithm-based deep learning for malicious intrusion detection in industrial control systems	Mar-2023
Mr.N.Selvanathan	Healthcare Analytics	A novel hybrid Extreme Learning Machine and Teaching–Learning-Based Optimization algorithm for skin cancer detection	Mar-2023
Dr.P.Ilanchezhian	Lecture Notes in Electrical Engineering	Sign Language Detection Using Machine Learning	Apr-2023
Ms.D.Komalavalli Dr.P.Ilanchezhian	Lecture Notes in Electrical Engineering	Scrutinize and Discover of Image of Freshwater Taken by Faraway Realizing Using FFNN and ConvNet Mechanisms	Apr-2023
Dr.P.Ilanchezhian	International Journal on Recent and Innovation Trends in Computing and Communication	Secure Blockchain Transactions for Electronic Health Records based on an Improved Attribute-Based	Apr-2023

		Signature Scheme	
Dr. V. Mohanraj, Mr. David Samuel Azariya	Journal of Complementary Medicine Research	Intelligent assistant to predict and control the home appliances in user environment through brain computer interface using hybrid deep learning model	Apr- 2023
Dr.Jeba Emilyn	Journal of Intelligent & Fuzzy Systems	Weight-imposed Elite Hybrid Binary Cuckoo Search (EHBCS)-based clustering for improving network lifetime longevity	Apr- 2023
Mr.M. Murali	International Journal on Recent and Innovation Trends in Computing and Communication	Enhancing Feature Extraction through G-PLSGLR by Decreasing Dimensionality of Textual Data	May- 2023
Ms. R. Sangeethapriya, Dr. J.Akilandeswari	Multimedia Tools and Applications	Classification of cyberbullying messages using text, image	May- 2023
Karthick.K	Journal of Intelligent & Fuzzy Systems	Cloud computing and machine learning for analysis of health care data based on neuro fuzzy logistic regression	Mar- 2023
Dr.J. Senthilkumar , Dr.Y. Suresh Dr.V. Mohanraj	Computer Systems Science and Engineering	BFS-SVM Classifier for QoS and Resource Allocation in Cloud Environment	Jun- 2023
Mr.K.Karthick	Lecture Notes in Networks and Systems	Adaptive Deep Recurrent Neural Network-Based COVID-19 Healthcare Data Prediction for Early Risk Prediction	Jun- 2023
Dr.P.	Lecture Notes in Networks	Maximum Decision Support	Jun-

Shanmugaraja	and Systems	Regression-Based Advance Secure Data Encrypt Transmission for Healthcare Data Sharing in the Cloud Computing	2023
Dr.K. Thangaraj	Lecture Notes in Networks and Systems	Blockchain-Enabled Precision Agricultural System Using IoT and Edge Computing	Jun-2023
Dr.V. Mohan Raj Dr.Y.Suresh Dr.J.Senthil Kumar	Automatika (Journal for Control, Measurement, Electronics, Computing and	Optimization of virtual machines performance using fuzzy hashing and genetic algorithm-based memory deduplication of static pages	Jun-2023
Dr.Jeba Emilyn	Mobile Computing Solutions for Healthcare Systems	Smartphone-Based Real-Time Monitoring and Forecasting of Drinking Water Quality using LSTM and GRU in IoT Environment	Feb-2023
Naveenkumar A	European Chemical Bulletin	Face-To-Face with AI and the Digital Revolution are the Global Financial Exchanges	July 2023
Naveenkumar A	European Chemical Bulletin	An outline of the use of AI Technology and the Technologies it Powers in the Indian Financial Services Sector	July 2023

LIST OF CONFERENCE PUBLICATION DURING THE YEAR 2023

S. No	Name of Faculty	Name of the Conference	Title of the Paper	Year
1.	Krishna Prakash R	3rd International Conference on Advance Computing and Innovative Technologies in Engineering, IEEE Xplore, DOI: 10.1109/ICACITE57410.2023.10182685	Blockchain Technology for Protecting Ingenuity of Image	Jul-2023
2.	A.Naveen Kumaar, Dr J. Akilandeswari	4th International Conference on Electronics and Sustainable Communication Systems, IEEE Xplore, DOI: 10.1109/ICESC57686.2023.10192582	Secure radiology image browsing tool improvised using Denoising Autoencoder with Convolutional Neural Network (DAECNN)	Jul-2023
3.	Karthick K	Proceedings of the Second International Conference on Edge Computing and Applications IEEE Xplore, DOI: 10.1109/ICECAA58104.2023.10212358	A Novel Two-Way Mirror with the Help of the Internet of Things	Aug-2023
4.	U.K.Balaji Saravanan	Proceedings of the Second International Conference on Edge Computing and Applications , IEEE Xplore, DOI: 10.1109/ICECAA58104.2023.10212358	Multinomial Naive Bayes Based Machine Learning Analysis of Twitter Sentiment	Aug-2023
5.	Dr. V.Mohanraj , Dr.Y. Suresh	AIP Conference Proceedings Volume 2857, Issue 1, https://doi.org/10.1063/5.0164980	Atmospheric monitoring system using IoT	Aug-2023
6.	Dr.K.Thangaraj	AIP Conference Proceedings Volume 2857, Issue 1, https://doi.org/10.1063/5.0164983	Plant disease detection	Aug-2023

7.	Dr. J.Senthil Kumar, Dr.Y.Suresh	AIP Conference Proceedings Volume 2857, Issue 1, https://doi.org/10.1063/5.0165184	Random interval query and face recognition based attendance system for virtual classroom	Aug-2023
8.	Dr.K.Thangaraj	AIP Conference Proceedings Volume 2857, Issue 1, https://doi.org/10.1063/5.0164803	Gaining access to windows machine by installing backdoor	Aug-2023
9.	Aldo Stalin	AIP Conference Proceedings Volume 2857, Issue 1, https://doi.org/10.1063/5.0166086	Smart parking system using internet of things	Aug-2023
10.	Dr.P.Iyyanar	AIP Conference Proceedings Volume 2857, Issue 1, https://doi.org/10.1063/5.0164318	Leisure pursuit identifier system for real-time activity tracking	Aug-2023
11.	David Samuel Azariya	AIP Conference Proceedings Volume 2857, Issue 1, https://doi.org/10.1063/5.0165195	Virtual painting	Aug-2023
12.	Karthick K	AIP Conference Proceedings Volume 2857, Issue 1, https://doi.org/10.1063/5.0166565	AI based farmer assistant talkbot	Aug-2023
13.	Selvanathan N	AIP Conference Proceedings Volume 2857, Issue 1, https://doi.org/10.1063/5.0165195	Fake news detection	Aug-2023
14.	Velusamy A Dr.J. Akilandeswari	5th International Conference on Inventive Research in Computing Application IEEE Xplore, DOI: 10.1109/ICIRCA57980.2023.10220663	A Comprehensive Review on Machine Learning Models for Real Time Fall Prediction Using Wearable Sensor-Based Gait Analysis	Aug-2023

15.	Selvanathan N	14th International Conference on Advances in Computing, Control, and Telecommunication Technologies,2023,	Finding of Arrhythmia by 2D Image Classification	Jun-23
16.	Dr. P. Shanmugaraja	International Conference on Advances in Computing, Communication and Applied Informatics DOI: 10.1109/ACCAI58221.2023.10200326	An Architecture for Collective Dispute Resolution in Ubiquitous and Context-Aware Systems	Aug-2023
17.	Dr. P. Shanmugaraja	International Conference on Advances in Computing, Communication and Applied Informatics DOI: 10.1109/ACCAI58221.2023.10200065	Receiver-Based Data Communication for Wireless Sensor Networks	Aug-2023
18.	Lydia D. Isaac	7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)	An Optimized Security Framework for Global IoT Communication using Software-Defined Networking (SDN) in Adversarial Environments	Oct-23
19.	S. David Samuel Azariya	14th International Conference on Computing Communication and Networking Technologies	EduVigil: Shaping the Future of Education with AI - An Intriguing Case Study	Nov-23
20.	Velusamy A Dr.J. Akilandeswari	International Conference on Self Sustainable Artificial Intelligence Systems	IoT-Enabled Intelligent Maternal Intensive Care: A Research Study	Dec-23

LIST OF CONFERENCE PUBLICATION DURING THE YEAR 2024

S. No	Name of Faculty	Name of the Conference	Title of the Paper
1.	Dr.P. Shanmugaraja	Document Management System using Blockchain	Proceedings of the International Conference on Augmented Intelligence and Sustainable Systems
2.	Dr. R Subhashini	Bankruptcy Prediction using Emperor Penguin Optimizer with Deep Learning Model on Qualitative Dataset	Proceedings of the 5th International Conference on Smart Systems and Inventive Technology
3.	Ms.J.Deepika Dr.J.Akilandeswari	Fall Detection Technique for Older Individuals based on Deep Layered Neural Networks Embedded with Transfer Learning	Proceedings of the 5th International Conference on Smart Systems and Inventive Technology
4.	Dr.J. Akilandeswari, P. Iyyanar, A. Naveenkumar	High-Density Salt & Pepper Noise Removal Using Machine Learning	AIP Conference Proceedings
5.	R. Krishna Prakash	Post Quantum Steganography for Cloud Privacy Preservation using Multivariable Quadratic Polynomial	2022 International Conference on Computer, Power and Communications

6.	Dr.P.Iyyanar	Traffic Aware Routing with Round Robin Technique for Equating the Load in Software Defined WSN	Second International Conference on Electronics and Renewable Systems
7.	Dr. P. Shanmugaraja	A Productive Model for Secured Data Sharing in Blockchain Technology based IoT	2023 International Conference on Inventive Computation Technologies
8.	Dr.K. Thangaraj	Deep learning-based Object Detection in Underwater Communications System	Second International Conference on Electrical, Electronics, Information and Communication Technologies
9.	Dr.P. Shanmugaraja	Document Management System using Blockchain	Proceedings of the International Conference on Augmented Intelligence and Sustainable Systems
10.	Dr. R Subhashini	Bankruptcy Prediction using Emperor Penguin Optimizer with Deep Learning Model on Qualitative Dataset	Proceedings of the 5th International Conference on Smart Systems and Inventive Technology
11.	Dr.J. Akilandeswari , P. Iyyanar , A. Naveenkumar	High-Density Salt & Pepper Noise Removal Using Machine Learning	AIP Conference Proceedings https://doi.org/10.1063/5.0119389
12.	R. Krishna Prakash	Post Quantum Steganography for Cloud Privacy Preservation using Multivariable Quadratic Polynomial	2022 International Conference on Computer, Power and Communications

13.	Dr.P.Iyyanar	Traffic Aware Routing with Round Robin Technique for Equating the Load in Software Defined WSN	Second International Conference on Electronics and Renewable Systems
14.	Dr. P. Shanmugaraja	A Productive Model for Secured Data Sharing in Blockchain Technology based IoT	2023 International Conference on Inventive Computation Technologies
15.	Dr.K. Thangaraj	Deep learning-based Object Detection in Underwater Communications System	Second International Conference on Electrical, Electronics, Information and Communication Technologies

LIST OF PUBLICATION DURING THE YEAR 2023

S. No	Name of the Student	Name of the Journals or Conference	Title Of The Paper	Date
1.	Sakthipriya P, Shreedhar T, Vijay M, Yashwanth R	National Conference on "The Foundation of a Modern Data Analytics Strategy	Sentimental Analysis Using Flask Web Application	03-03-2023
2.	K.Amritha Devangana, PL.Abirami, M.Prasanna, S.Hari Aravind	National Conference on "The Foundation of a Modern Data Analytics Strategy	Identification And Classification Of Skin Diseases With Erythema Using Yolo Algorithm	03-03-2023
3.	Bharathkumar B, Jayanth srivathsan R, Hariharan A, Jaswanth kumar N	National Conference on "The Foundation of a Modern Data Analytics Strategy	Artificial Intelligence Based Fake Product Review Monitoring System	03-03-2023
4.	Guna Devi M, Jayabalanand P, Manjunath A , Mujamil Basha N	National Conference on "The Foundation of a Modern Data Analytics Strategy	Artificial Intelligence (Ai) Based Glaucoma Diagnosis Detection Using Deep Learning	03-03-2023
5.	T. S Arunkumaar S. Aswin S. Anitha Lakshmi A.N Akshya	National Conference on "The Foundation of a Modern Data Analytics Strategy	Efficiency Identification Of Deep Learning Algorithms Using Fundus Image For Detection Of Diabetic Retinopathy	03-03-2023
6.	Sri Chandrika S Susma T Vinisha S	National Conference on "The Foundation	Entity Perception Using Remotely Piloted	03-03-2023

	Yesvantini S V	of a Modern Data Analytics Strategy	Aircraft Vehicle	
7.	Saiprasath K B, Shagivarma R, Syed Asif Z, Tamilarasan G	National Conference on "The Foundation of a Modern Data Analytics Strategy	Sentimental Analysis Of Tweets On Tourism Using Natural Language Processing	03-03-2023
8.	Rajkumar K S, Rakshith R, Sajai Kumar M	National Conference on "The Foundation of a Modern Data Analytics Strategy	Safety Helmet Recognition Using Machine Learning Algorithm	03-03-2023
9.	Lokeshwaran B, Mukilarasan N, Naveen S, Prabu A	National Conference on "The Foundation of a Modern Data Analytics Strategy	Soil Nutrient Analysis Using Image Processing And Crop Recommendation Using Deep Learning	03-03-2023
10.	Arun Karthick P, Balaji G, Hiruthik K, Jawahar R	National Conference on "The Foundation of a Modern Data Analytics Strategy	Anime Recommendation System	03-03-2023
11.	Agallya AN Kaavya Lakshmanan Diloshaa Sri R Dharani Shree AS	National Conference on "The Foundation of a Modern Data Analytics Strategy	Finding Of Arrhythmia By 2d Image Classification	03-03-2023
12.	Abbas Kashim S Devi Shruthi S Bharath Kumar R Jeneni S	National Conference on "The Foundation of a Modern Data Analytics Strategy	Machine Learning Based Water Recycling Systems Revisit Performance Evaluation Using Neural Network	03-03-2023

13.	Bhuvanesh D, Harish Y, Indhumathi P, Harini T	National Conference on "The Foundation of a Modern Data Analytics Strategy	Alumni Management System Using Web Technologies	03-03- 2023
14.	Sanjeevan KS, Saruthi G, Sri Vigithra S, Sabitha V	National Conference on "The Foundation of a Modern Data Analytics Strategy	Effective Benign Identity Prediction Among Deceptive Accounts Using Machine Learning	03-03- 2023
15.	Kanish S, Kanimitha S, Kavyaa Shree S, Obu Shruthi A	National Conference on "The Foundation of a Modern Data Analytics Strategy	Ar Sandbox For Braille Letter Detection	03-03- 2023
16.	Abirami M,Deepika T,Haripriyaa I,Jansi Rani T	National Conference on "The Foundation of a Modern Data Analytics Strategy	Deep Learning-Based ImageSegmentation Classifiers ForDactylology Converter	03-03- 2023
17.	Kabhilan A R,Musharaf Basha M,Logesh M,Saffwan R	National Conference on "The Foundation of a Modern Data Analytics Strategy	Personality Prediction UsingDeep Learning	03-03- 2023
18.	Abdul Azis A, Abdul Gaffar F, Abinath D, Arukumkar L	National Conference on "The Foundation of a Modern Data Analytics Strategy	Web Based Threat Identification Using Classification Algorithm	03-03- 2023
19.	Oviya G, Miduna A, Moulieswaran V, Mohammad Afnaan TM	National Conference on "The Foundation of a Modern Data Analytics Strategy	Enchantress Realist Two-Way Mirror With The Help Of Iot	03-03- 2023

20.	Kishore K, Logendiran P, Karthikeyan S, Krish S	National Conference on "The Foundation of a Modern Data Analytics Strategy	Plant Disease Prediction And Crop Recommendation With Fertilizer Suggestion System	03-03- 2023
21.	S T Sanjay, G Yakesh, S Sneha, S Vijaya Lakshmi	National Conference on "The Foundation of a Modern Data Analytics Strategy	Smart Vaccination Reminder System For Children Using Cross Stack Development	03-03- 2023
22.	Sakthi.S, Shama Anjum.K, Soujanyaashmie.M, Sowndarya.M.S	National Conference on "The Foundation of a Modern Data Analytics Strategy	Heart Disease Prediction Using Long Short-Term Memory (Lstm) The Algorithm In Deep Learning Methodology	03-03- 2023
23.	Shanmathi. B, Shiva Dharshini. R, Sivagayathri. P, Soniya. S	National Conference on "The Foundation of a Modern Data Analytics Strategy	A Survey On Detection Of Chronic Kidney Disease Using Machine Learning Algorithms	03-03- 2023
24.	Varnisha C, Sakthipriya G, Sindhu R, Shivraj R	National Conference on "The Foundation of a Modern Data Analytics Strategy	Analysis Of Heart Disease Prediction Using Various Machine Learning Algorithms	03-03- 2023

LIST OF FACULTY CONTRIBUTION DURING THE YEAR 2023

S. No	Faculty Name	Title of the programme	Venue	Date
1.	Dr. K. Thangaraj	Resource Person for the Tamilnadu State Government sponsored five days online Faculty Development Programme on Emerging trends in AI and Machine Learning	Government College of Engineering, Bodinayakanur	05/12/2023
2.	Mr. C. Santhosh Kumar	Resource Person for the seminar on Introduction to Data Science and its use cases	Er. Perumal Manimekalai College of Engineering, Hosur.	23/11/2023
3.	Mr. K. Karthick	NPTEL IR Duty	AVS college of Arts and Science, Salem.	29/10/2023
4.	Ms. D. Komalavalli	NPTEL IR Duty	VSA Group of Institutions, Salem.	28/10/2023
5.	Mr. P. Sakthivel	Resource Person for the seminar on Research significance in cloud computing techniques	R P Sarathy Institute of Technology, Salem.	19/10/2023
6.	Dr. V. Mohanraj	NPTEL IR Duty	Assay Business Technology Services, Salem.	24/09/2023
7.	Mr. K. Karthick	NPTEL IR Duty	Sri Seshaas International Public school, Salem.	24/09/2023

8.	Dr. J. Senthilkumar	BOS Member	Er. Perumal Manimekalai College of Engineering, Hosur.	15/09/2023
9.	Mr. P. Sakthivel	BOS Member	KSR Institute of Engg and Technology, Tiruchengode.	12/09/2023
10.	Mr. A. Naveenkumar	Resource Person for the workshop on Deep learning and its algorithm	Sri Shanmugha College of Engineering and Technology, Puthur	12/09/2023
11.	Mr. R. Krishna Prakash	Resource person for the workshop on Emerging trends in AI	Vivekanandha College of Engg for Women, Tiruchengode.	31/08/2023
12.	Dr. V. Mohanraj	Resource person for the webinar on Types of attacks in the cyber world	CDAC	13/07/2023

LIST OF EVENTS ORGANIZED DURING THE YEAR 2023

S.No	TOPIC	Date	Organized by	Resource Person
1.	Industrial Applications of C Programming	14.07.2023	Mr. C Santhosh Kumar, Mr. R. Krishana Prakash,	Dr. Murugappan Valliappan Agile Conch, Virtusa.
2.	Emerging trends in Data science and AI	02.09.2023	Dr. P. Iyyanar, Mr. K. Karthick, Mr. N. Selvanathan	Ms. P. Maria Shalini, Data scientist, CEO and Founder, Hamilton Learning Academy, Bangalore
3.	Emphasize the relevance and importance of Ethics in IT profession	09.09.2023	Mrs. D. Komalavalli Mr. A. Naveen Kumar Mr. J. L. Aldo Stalin Mr. M. Murali	Mr. Kamal Palanivel, Packaged Application Development Associate Manager, Accenture, Bengaluru.
4.	UI / UX Design - An Business Perspective	18.10.2023	Mr. A. Velusamy Ms. J. Deepika	Mr. Sriman Abhimanyu Muthukumaran, Senior Front End Developer, RxDataScience.
5.	Unveiling Google Cloud	20.10.2023	Dr. R Subhashini, Mrs. D. Komalavalli	Ms. Sharon Sophia Stephen, Senior Trainer-Big Data and Cloud.
6.	Android Application Development	15.12.2023	Dr. P. Shanmugaraja Dr. R. Subhashini Mr. N. Selvanathan	Mr. A.R. Sooriyaoli, Director, Digital Transformations, My RMC SOLUTIONS, Chennai.
7.	Industrial Applications of Object-Oriented Programming	18.12.2023	Dr. P. Iyyanar, Ms. P. Kruthika	N Shaliya, Founder and Managing Director, Zerame.

	Languages			
8.	Real-Time Embedded systems	20.12.2023	Dr.P.Ilanchezian Ms.Lydia D. Isaac Ms.T.Ilakkia	Mr. Vallieswaran Vairavan, Founder. Stealth Startup, Bengaluru.
9.	Applications of Data Structures and Algorithms	23.12.2023	Mrs. I. Janani Mr. B. Mohanraj Mr. R. Krishna Prakash	Mr. P. Suresh, Software Engineer at Traceable AI, Bangalore.

FACULTY ATTENDED INDUSTRIAL TRAINING 2023

S.No.	Faculty Name	Programme Title & Organized By	Date(from)	Date(to)
1.	Mr. C. Santhosh Kumar	Virtual Faculty Buildathon Cybersecurity and SEIM (powered by Qradar) IBM SkillsBuild	24.07.2023	04.08.2023
2.	Ms. R. Sangeethapriya	Data Analytics With Cognos IBM SMART INTERNZ	24.07.2023	04.08.2023
3.	Ms. I. Janani	Data Analytics With Cognos IBM SMART INTERNZ	24.07.2023	04.08.2023
4.	Mr. A. Naveen Kumar	Data Analytics With Cognos IBM SMART INTERNZ	24.07.2023	04.08.2023
5.	Ms. P. Kruthika	Virtual Faculty Buildathon Cybersecurity and SEIM (powered by Qradar) IBM SkillsBuild	24.07.2023	08.04.2023
6.	Ms. M. Sasikala	Data Analytics With Cognos IBM SMART INTERNZ	24.07.2023	04.08.2023
7.	Mr. A. Velusamy	Virtual Faculty Buildathon Cybersecurity and SEIM (powered by Qradar) IBM SkillsBuild	24.07.2023	08.04.2023
8.	Mr.R.Krishna Prakash	Virtual Faculty Buildathon Cybersecurity and SEIM (powered by Qradar) IBM SkillsBuild	24.07.2023	04.08.2023
9.	Ms.D.Lydia Isaac	Virtual Faculty Buildathon Cybersecurity and SEIM (powered by Qradar)	24.07.2023	04.08.2023

		IBM SkillsBuild		
10.	Mr.B.Mohanraj	Virtual Faculty Buildathon Cybersecurity and SEIM (powered by Qradar) IBM SkillsBuild	24.07.2023	04.08.2023
11.	Ms. D. Komalavalli	Salesforce Platform Developer 1 ICT Academy	07.08.2023	11.08.2023
12.	Ms. P. Kruthika	Xccelerator Training program in design thinking Sona College of Technology	30.08.2023	31.08.2023
13.	Mr. A. Velusamy	Xccelerator Training program in design thinking Sona College of Technology	30.08.2023	31.08.2023
14.	Dr. V. Mohanraj	IBM Data Science Practitioner Certificatio	24.07.2023	04.08.2023
15.	Dr. J. Jeba Emilyn	IBM Data Science Practitioner Certificatio	24.07.2023	04.08.2023
16.	Ms. J. Deepika	IBM Artificial Intelligence Practitioner Certification	05.12.2023	--
17.	Ms. D. Komalavalli	Cloud ComputingWIPRO	11.09.2023	15.09.2023
18.	Mr.J.L.Aldo Stalin	Cloud ComputingWIPRO	11.09.2023	15.09.2023
19.	Mr. P. Sakthivel	Building Advanced Data Analytics Applications using Cloud AICTE &Edunet Foundation	25.09.2023	29.09.2023
20.	Mr. B. Mohanraj	15 hours of FDP Salesforce Administrator ICT Academy	06.11.2023	10.11.2023
21.	Mr.K.Karthick	15 hours of FDP Salesforce Administrator	06.11.2023	10.11.2023

		ICT Academy		
22.	Mr. U.K. Balajisaravanan	.Net Full stack development Wipro, Bangalore	27.11.2023	15.12.2023
23.	Mr. P. Sakthivel	15 Hours of Faculty Development Program on TensorFlow for Machine Learning ICT Academy	27.11.2023	01.12.2023
24.	Mr. N. Selvanathan	TensorFlow for Machine Learning ICT Academy	27.11.2023	27.11.2023

LIST OF EVENTS

FDP/WORKSHOP/SEMINAR/WEBINAR ATTENDED

2023

S. No	Faculty Name	Programme Title & Organized By	Date (from)	Date (to)
1	Mr.R.Krishna Prakash	Advanced Research Methodology SRM Institute of Science and Technology	03.07.2023	18.07.2023
2	Mr.P.Dineshkumar	Emerging Technologies for Next Generation Networks Kings Engineering College, Chennai	17.07.2023	22.07.2023
3	Mr. C. Santhosh Kumar	From Sci-Fi to Reality: The Dawn of Artificial Intelligence Adhiyaman College of Engineering, Hosur	03.08.2023	—
4	Mr.J.L.Aldo Stalin	Computational Intelligence Amrita School of AI, Amrita Vishva Vidyapeetham, Coimbatore	07.08.2023	11.08.2023
5	Mr.K.Karthick	Innovative Research Opportunities and Application of Data Science in the Industry 5.0 SRM Institute of Science and Technology, Ramapuram Campus	18.08.2023	31.08.2023
6	Mr. M. Murali	Innovative Research Opportunities and Application of Data Science in the Industry 5.0 SRM Institute of Science and Technology, Ramapuram Campus	18.08.2023	31.08.2023

7	Mr. U.K. Balajisaravanan	Innovative Research Opportunities and Application of Data Science in the Industry 5.0 SRM Institute of Science and Technology, Ramapuram Campus	18.08.2023	31.08.2023
8	Mr. S. Rajkumar	Innovative Research Opportunities and Application of Data Science in the Industry 5.0 SRM Institute of Science and Technology, Ramapuram Campus	18.08.2023	31.08.2023
9	Mr. P. Sakthivel	Innovative Research Opportunities and Application of Data Science in the Industry 5.0 SRM Institute of Science and Technology, Ramapuram Campus	18.08.2023	31.08.2023
10	Mr. N. Selvanathan	Innovative Research Opportunities and Application of Data Science in the Industry 5.0 SRM Institute of Science and Technology, Ramapuram Campus	18.08.2023	31.08.2023
11	Ms. P. Kruthika	Innovative Research Opportunities and Application of Data Science in the Industry 5.0 SRM Institute of Science and Technology, Ramapuram Campus	18.08.2023	31.08.2023
12	Ms. M. Sasikala	Innovative Research Opportunities and Application of Data Science in the Industry 5.0 SRM Institute of Science and Technology, Ramapuram Campus	18.08.2023	31.08.2023
13	Ms. L. Sindhu	Innovative Research Opportunities and Application of Data Science in the Industry 5.0	18.08.2023	31.08.2023

		SRM Institute of Science and Technology, Ramapuram Campus		
14	Mr.R.Krishna Prakash	Six-day Faculty Empowerment Programme on CCS355 - Neural Networks & Deep Learning Madras Institute of Technology, Anna University	21.08.2023	26.08.2023
15	Mr. P. Sakthivel	Building Advanced Data Analytics Applications with Cloud AICTE &Edunet Foundation	25.09.2023	29.09.2023
16	Mr. P. Dineshkumar	Cloud Infrastructure (AWS) PSNA College of Engineering and Technology	21.08.2023	25.08.2023
17	Mr. P. Dineshkumar	Application of Data Science in the Industry 5.0 Paradigm SRM Institute of Science and Technology	18.08.2023	31.08.2023
18	Mr.K.Karthick	Masterclass on Embedd C Programming PanTechSolutions,Chennai	09.10.2023	20.11.2023
19	Mr. B. Mohanraj	PALS VLAB 2023 – 2024 NITK Surathkal PALS	16.10.2023	18.10.2023
20	Mr. B. Mohanraj	Innovative Research Opportunities and Application of Data Science in the Industry 5.0 SRM Institute of Science and Technology, Ramapuram Campus	18.08.2023	31.08.2023
21	Ms. L. Sindhu	Building Advanced Data Analytics Applications with Cloud AICTE &Edunet Foundation	16.10.2023	20.10.2023
22	Mr. C. Santhosh	Basic Attacks and Mitigation	18.10.2023	—

	Kumar	Techniques Centre for Development of Advanced Computing (C-DAC), Hyderabad		
23	Mr.R.Krishna Prakash	Personal Empowerment in Emergency Response (PEER) Alert NGO for Emergency Management.	14.10.2023	—
24	Mr.K.Karthick	Artificial Intelligence Organised by NoviTech Solutions, Chennai	03.11.2023	04.11.2023
25	Ms.M.SASIKALA	Emerging Technologies & Real- World Applications PALS	22.11.2023	24.11.2023
26	Mr. B. Mohanraj	Emerging Technologies & Real- World Applications PALS	22.11.2023	24.11.2023
27	Ms.A.C. CHARUMATHI	Emerging Technologies & Real- World Applications PALS	22.11.2023	24.11.2023

COLLABORATION INITIATIVES WITH INDUSTRY

Item No.J-1 To peruse and approve the collaborative initiatives with industry

S.No.	Name of Industry/ Academia	Staff In Charge	MoU Signed Date
Collaboration for Research and Development (July 2023 to December 2023)			
1.	IBM Skill Build	Dr. V. Mohanraj	08 August 2023
Collaboration for Training and Development (July 2023 to December 2023)			
2.	IBM Skill Build	Dr. V. Mohanraj	08 August 2023
Collaboration for Industrial Consultancy (July 2023 to December 2023)			
3.	IBM Skill Build	Dr. V. Mohanraj	08 August 2023

The above is placed before the Governing Body for perusal and approval.

S.No.	Name of Industry/ Academia	Staff In Charge	MoU Signed Date
Collaboration for Research and Development (January 2023 to June 2023)			
1.	IBM Skills Build for Academia Copyright License Agreement (CLA)	Dr. V. Mohanraj	22-05-2023
2.	SmartInternz Talent Hub	Dr. V. Mohanraj	17-03-2023
Collaboration for Training and Development (January 2023 to June 2023)			
4.	IBM Skills Build for Academia Copyright License Agreement (CLA)	Dr. V. Mohanraj	22-05-2023
5.	SmartInternz Talent Hub	Dr. V. Mohanraj	17-03-2023
Collaboration for Industrial Consultancy (January 2023 to June 2023)			
1.	SmartInternz Talent Hub	Dr. V. Mohanraj	17-03-2023

RESEARCH AND DEVELOPMENT

Item No.K-1

To peruse and approve the Research and Development Projects during July 2023 to December 2023

a. Research Projects (in numbers) (July 2023 to December 2023)

Dept.	IT
In House / Academic Projects	20
Sponsored Projects	3

b. Grants

- Grants received from DST, AICTE, TNSCST & other agency in the during July 2023 to December 2023 (amount in lakhs)

IT
1

c. Publications

- National and International Journal publications in the during July 2023 to December 2023 – 12 Nos.
- National and International Conference publications in the during July 2023 to December 2023 – 20 Nos.

Dept./ Particulars	IT
Journals(January 2023 to June 2023)	12
Conferences(January 2023 to June 2023)	20

Item No. K-3 To review the testing and consultancy services offered by different departments during July 2023 to December 2023

- Revenue generation through testing consultancy and Services offered by different departments during July 2023 to December 2023

Branch	July 2023 to December 2023	
	Consultancy	Testing & Job Works
IT	2, 00, 000	-
Total	2, 00, 000	-

The above is placed before the Governing Body for perusal and approval.

Item No.K-1 To peruse and approve the Research and Development Projects during January 2023 to June 2023

b. Research Projects (in numbers) (January 2023 to June 2023)

Dept.	IT
In House / Academic Projects	17
Sponsored Projects	03

c. Grants

- Grants received from DST, AICTE, TNSCST & other agency in the during **January 2023 to June 2023** (amount in lakhs)

IT
1,80,000

e. Publications

- National and International Journal publications in the during **January 2023 to June 2023 – Nos.**
- National and International Conference publications in the during **January 2023 to June 2023– Nos.**

Dept./Particulars	IT
Journals(January 2023 to June 2023)	22
Conferences(January 2023 to June 2023)	15

Item No. K-3

To review the testing and consultancy services offered by different departments during January 2023 to June 2023

- Revenue generation through testing consultancy and Services offered by different departments during **January 2023 to June 2023**

Branch	January 2023 to June 2023	
	Consultancy	Testing & Job Works
IT	12,50,000/-	-
Total	12,50,000/-	

The above is placed before the Governing Body for perusal and approval.

CONTINUING EDUCATION ORGANIZED BY THE DEPARTMENT.

S.No	Date(s)	Name of the Coordinator(s) with Designation	Title	Venue	Sponsored by	No. of Participants attended
1.	28-01-2023	Dr.P.Iyyanar	Modern Java in action(Alumni webinar)	PG	SCT	229
2.	02-02-2023	Dr.P.Iyyanar	Role of Data Science in AI & IoT	PG	SCT	230
3.	11-02-2023	Dr.K.Thangaraj Mr.A.Velusamy Mr.R.Krishnaprakash Ms.P.Kruthika	Industrial Applications of Python	IT Seminar hall	SCT	229
4.	23-02-2023	Dr.K.Thangaraj Mr.A.Velusamy Mr.R.Krishnaprakash Ms.P.Kruthika	Industrial Applications of Python	IT Seminar hall	SCT	230
5.	19-04-2023	Dr.P.Shanmugaraja Mr.K.Karthick Ms.I.Janani Ms.R.Sangeethapriya	Applications of Data Structures and Algorithms	GT	SCT	204
6.	13-05-2023	Dr.P.Ilanchezian Dr.Y.Suresh	"Latest Trends in Cellular Communication Systems"	Online	SCT	204
7.	19th June,	Dr.P. Shanmugaraja	Microsoft AI Engineering" in	IBM		61

	2023 to 23rd June 2023		association with ICT Academy		ICT	
8.	14-07- 2023	Dr.K.Thangaraj Mr.C.Santhoshkumar	Industrial applications of C programming	GT	SCT	245

PARTICIPATION IN SEMINAR / CONFERENCE / WORKSHOP / TRAINING ETC. BY DEPARTMENT FACULTY

S.No	Date(s)	Name of the Faculty with Designation	Details of Program	Place of Program
1.	28.01.2023 to 29.01.2023	Kruthika P	5th International Conference on Communication and Computational Technologies (ICCCT 2023)	Rajasthan Institute of Engineering and Technology
2.	Jan 23 to Apr 23	A.Naveenkumar	Blockchain and its applications	IIT, Kharagpur
3.	Jan 23 to Apr 23	A.Naveenkumar	Blockchain and its applications	IIT, Kharagpur
4.	9-Mar-23 to 24-Mar-23	A.Naveenkumar	Blockchain Technology	C-DAC, Kolakatta
5.	6-Feb-23 to 10_feb - 2023	A.Naveenkumar	innoWAH! – Pitch Your Point Competition 2022- 23.	PALS
6.	Jan-23 to Feb-23	J.Jeba Emilyn	Internet of Things	ICT Academy
7.	Jan-23 to Feb-23	J.Jeba Emilyn	Design Thinking - A primer	IIT M
8.	Jul-22 to	J.Jeba Emilyn	Introduction to Machine Learning	IIT Kharagpur

	Sep-23			
9.	Jan 23 to Apr 23	J.Jeba Emilyn	Introduction to Machine Learning	IIT Kharagpur
10.	13-02-2023 to 18-02-2023	Janani I	Cloud Computing	IIT, Kharagpur
11.	23.04.2022 to 30.11.2022	Krishna Prakash R	6-day Online UHV-II FDP	AICTE
12.	01.05.2023 to 02.05.2023	Krishna Prakash R	IEI TNSC 100 Hours Techno Carnival	The Institution of Engineers (India)
13.	02.05.2023 to 03.05.2023	Krishna Prakash R	11th International Conference on Contemporary Engineering and Technology 2023	Prince Shri Venkateshwara Padmavathy Engineering College Prince Dr. K. Vasudevan College of Engineering & Technology
14.	Jan 23 to Apr 23	Krishna Prakash R	Natural Language Processing, IR and AI	The Institution of Engineers (India) Salem Local Centre, Sona College of Technology
15.	Jan 23 to Apr 23	Krishna Prakash R	Privacy and Security in Online Social Media	IIIT, Hyderabad
16.	20.03.2023 to 20.03.2023	Krishna Prakash R	Privacy and Security in Online Social Media	IIIT, Hyderabad

17.	31.05.2023	Kruthika P	Developing an Entrepreneurship Classroom Climate	Faculty Development Cell
18.	2-Feb-23 to 17-Feb	Kruthika P	2023 Natural Language Processing in Python for Beginners	Udemy
19.	08.05.2023 to 12.05.2023	Lydia D. Isaac	Digital Training Techniques	ICT Academy & R systems
20.	08.02.2023 to 28.04.2023	Lydia D. Isaac	Artificial Intelligence for Edge Computing	Thiagarajar College of Engineering, Madurai
21.	Jan 23 to Apr 23	Lydia D. Isaac	Foundation of Cloud IoT Edge ML	IIT Madras
22.	Jan 23 to Apr 23	Sangeethapriya R	Cloud Computing	IIT, Kharagpur
23.	Jan 23 to Apr 23	Santhosh Kumar C	Privacy and Security in Online Social Media	IIIT, Hyderabad
24.	02.05.2023 to 03.05.2023	Santhosh Kumar C	Privacy and Security in Online Social Media	IIIT, Hyderabad
25.	22.04.2023 to 23.04.2023	Santhosh Kumar C	Natural Language Processing, IR and AI	The Institution of Engineers (India) Salem Local Centre, Sona College of Technology
26.	2-Jan-23 to	Santhosh Kumar C	PCCDA 2023	Soft Computing

	23-May-23			Research Society
27.	2-Jan-23 to 25-Feb-23	Santhosh Kumar C	Google Data Analytics	Coursera
28.	15-Feb-23 to 28-Feb-23	Velusamy A	Google Project Management	Coursera
29.	20-Mar-23 to 20-Mar-23	Velusamy A	Cyber Security Essentials	C-DAC, Hyderabad
30.	23-Mar-23 to 24-Mar-23	Velusamy A	Developing an Entrepreneurship Classroom Climate - A Hands on Perspective	FDC
31.	23-Apr-22 to 30-Nov-22	Velusamy A	POLLUTION OF THE ENVIRONMENT: LIFE-IMPACTING FACTORS AND CORRECTIVE ACTIONS	Bannari Amman Institute of Technology, Sathyamangalam, Erode
32.	3-May-23 to 3-May-23	Velusamy A	Sustainable Developments of the Nation-The Role of Engineers	
33.	02.05.2023 to 03.05.2023	Velusamy A	All India Workshop on Natural Language Processing	

GUEST LECTURES ORGANIZED

S. No	Date(s)	Co-ordinator / Co-coordinator with Designation	Details of Program
1.	24-12-2022	Mrs.D.Komalavalli	Advanced Python Programming for Data Science
2.	26-12-2022	Dr.P.Illanchezhian Mrs.LydiaD.Issac Mr.David Samuel Azaria Mrs.R.Sangeethapriya	Embedded System and FPGA
3.	28-12-2022	Mrs.D.Komalavalli Mr.U.K.Balajisaravanan Mr.R.Krishna Prakash	Guest Lecture on Object Oriented Programming in C++
4.	28-12-2022	Dr.P.Illanchezhian Ms.R.Sangeethapriya	Recent Trends in Programmable Devices
5.	28-01-2023	Dr.P.Iyyanar	Modern Java in action(Alumni webinar)
6.	02-02-2023	Dr.P.Iyyanar	Role of Data Science in AI & IoT
7.	11-02-2023	Dr.K.Thangaraj Mr.A.Velusamy Mr.R.Krishnaprakash Ms.P.Kruthika	Industrial Applications of Python
8.	23-02-2023	Dr.K.Thangaraj Mr.A.Velusamy Mr.R.Krishnaprakash Ms.P.Kruthika	Industrial Applications of Python

9.	19-04-2023	Dr.P.Shanmugaraja Mr.K.Karthick Ms.I.Janani Ms.R.Sangeethapriya	Applications of Data Structures and Algorithms
10.	13-05-2023	Dr.P.Ilanchezhian Dr.Y.Suresh	“Latest Trends in Cellular Communication Systems”
11.	19th June, 2023 to 23rd June 2023	Dr.P. Shanmugaraja	Microsoft AI Engineering" in association with ICT Academy
12.	14-07-2023	Dr.K.Thangaraj Mr.C.Santhoshkumar	Industrial applications of C programming

PARTICIPATION OF DEPARTMENT FACULTY AS RESOURCE PERSON

S.No	Name of the Faculty with Designation	Title of the Programme	Details & Venue	Date(s)
1.	Dr. J. Akilandeswari	The Prime Minister, Shri Narendra Modi inaugurated the International Museum Expo 2023	Pragati Maidan in New Delhi	27-07-2023 to 30-07-2023
2.	Dr. P. Shanmugaraja	Appointment of External Examiners for Practical/Project Viva-voce Examinations	AVS Engineering College	02-06-2023 03-06-2023
3.	Dr. P. Shanmugaraja	Reviewer for the International Conference on SCEPT	NIT	25 and 26-05-2023
4.	Mr. K. Karthick	Appointment of External Examiner	Paavai Engineering College	15-05-2023
5.	Mr. K. Karthick	Appointment of External Examiners for Project Viva-voce Examinations	Kongu Engineering College	03-05-2023
6.	Mr. K. Karthick	NPTEL IR Duty	Seshaas International School	30-04-2023
7.	Dr. Y. Suresh	NPTEL IR	KIOT	29-04-2023
8.	Mr. A. Naveenkumar	NPTEL IR at Assay Business Technology Services,	Sivathapuram.	28-04-2023
9.	Dr. V. Mohanraj	Reviewer in the Journal of Supercomputing		18-04-2023

10.	Mr. K. Karthick	Appointment of External Examiners for Practical/Project Viva-voce Examinations at KIOT	KIOT	39-03-2023
11.	Mr. K. Karthick	NPTEL IR Duty at Assay Business Technology Services	Sivathapuram.	26-03-2023
12.	Dr. J. Senthil Kumar	NPTEL IR at KIOT	KIOT	25-03-2023
13.	Dr. J. Akilandeswari	Guest of Honour for “International Women’s Day”	Vinayaka Mission’s Medical College	08-03-2023
14.	Dr. K. Thangaraj	Appointment as member of Programme Advisory committee	TPT college, Salem.	30-01-2023
15.	Dr. P. Shanmugaraja	Appointment of External Examiners for Practical/Project Viva-voce Examinations	KIT	30-01-2023 31-01-2023
16.	Dr. J. Akilandeswari	SPOC Felicitation cum awareness workshop	IIT Madras	28-01-2023
17.	Dr. J. Senthil Kumar	SPOC Felicitation cum awareness workshop	IIT Madras	28-01-2023
18.	Dr. J. Senthil Kumar	Doctoral Committee Member	Gnanamani College of Technology	09-01-2023
19.	Dr. J. Senthil Kumar	Selection Committee member for staff recruitment – IIHT, =	Salem	03-01-2023

COLLEGE EVENTS HELD AND PARTICIPATION OF DEPARTMENT FACULTY

S.No	Faculty Name	Role Held	Details of the Event	Date held
1.	Dr. J. Akilandeswari	Resource Person	Pedagogy Programme	09 Jan 2023 to 13 Jan 2023
2.	Mr. A. Velusamy	Participation		
3.	Mr. C. Santhosh Kumar	Participation		
4.	Mr. R. Krishna Prakash	Participation		
5.	Ms. P. Kruthika	Participation		
6.	Dr. R. Subhashini	Participation	QMS Awareness Program - 2023	15 May 2023
7.	Mr. A. Velusamy	Participation		
8.	Mr. C. Santhosh Kumar	Participation		
9.	Mr. R. Krishna Prakash	Participation		
10.	Ms. P. Kruthika	Participation		
11.	Dr. K. Thangaraj	Participation	Microsoft AI Engineering" in association with ICT Academy	19th June, 2023 to 23rd June 2023
12.	Dr. R. Subhashini	Participation		
13.	Mr. S. David Samuel Azariya	Participation		
14.	Ms. D. Komalavalli	Participation		
15.	Ms. R. Sangeethapriya	Participation		
16.	Ms. I. Janani	Participation		

STUDENTS SPECIAL CO-CURRICULAR, EXTRACURRICULAR AND NATIONAL & INTERNATIONAL ACHIEVEMENTS ATTAINED

S. No	Name of the Student	Degree Studying	Branch	Name of the Award	Awarded by (Name of the Organization)
1.	Suvetha J	II	IT	Mismatched	Threads '23, SONA COLLEGE OF TECHNOLOGY
2.	Suvetha J	II	IT	Technical Quiz	Threads '23, SONA COLLEGE OF TECHNOLOGY
3.	Vaishnavi M	II	IT	Innovation	Sona College of Technology
4.	Shalini B	III	IT	Aptithon first place	Sona College of Technology
5.	Thanusuya sri S	III	IT	Aptithon	Sona College of Technology
6.	Varshaa M J	III	IT	Aptithon	Sona College of Technology
7.	Ravi Sasthri	III	IT	Aptithon winner (I)	Sona College of Technology
8.	Ragavaa	B.Tech	B.Tech/ADS	Certificate of Participation	KIOT

				Paper Presentation	
9.	Roshan Aniruth	B.Tech	B.Tech/ADS	Certificate of Participation Paper Presentation	KIOT
10.	Sugumar	B.Tech	B.Tech/ADS	Certificate of Participation Paper Presentation	KIOT
11.	Rathesh	B.Tech	B.Tech/ADS	Certificate of Participation Paper Presentation	KIOT
12.	Jeyavel.S	B.Tech	B.Tech/ADS	Certificate of Participation Paper Presentation	KIOT
13.	Ramprakash.K.R	B.Tech	B.Tech/ADS	Certificate of Participation Paper Presentation	KIOT
14.	Bhuvanraj	B.Tech	B.Tech/ADS	Certificate of Participation Paper Presentation	KIOT
15.	Vishal V	B.TECH	IT	Speak for India Zonals	Federal bank-Times of India
16.	Kaamal V N	B.TECH	IT	Google Data Analytics	Coursera
17.	Navina Tharsini J	B.TECH	IT	CCNA	Cisco
18.	Gurusurya M	B.TECH	IT	Techoryx (Hackathon)	PSG college of technology

19.	Nivetha Sri S	B.TECH	IT	Kriya-Hackathon	PSG COLLEGE OF TECHNOLOGY
20.	Vishal v	B.TECH	IT	Winner ideathon	IIT Tirupati
21.	Vaishnavi M	B.TECH	IT	Innovatio	Sona college of technology
22.	vishal V	B.TECH	IT	3rd place Hackathon	Dept of CSE , Sona College of Technology
23.	Anto jerish s	B.TECH	ADS	Kurukshetra international techno fest(2023)	Anna University ,guindy
24.	RIYA K	B.TECH	IT	Aptithon Winner , UiPath Developer Certification, Achievement Certificate, Google Data Analytics	Sona College, UiPath
25.	Swathi S	B.TECH	ADS	Kurukshetra the battle of brains	Anna University
26.	Shalini B	B.TECH	IT	Aptithon first place	Sona College of Technology (Placement department)
27.	Thanusuya sri S	B.TECH	IT	Aptithon	Sona college of technology salem
28.	Varshaa M J	B.TECH	IT	Aptithon	Sona College of Technology
29.	Vishal V	B.TECH	IT	Innofest	Google Developer

					students Club
30.	Swetha J	B.TECH	IT	Hack a bot	Uipath
31.	Komalavalli V S	B.TECH	IT	Hack-a-bot	UIpath
32.	Thanusuya sri S	B.TECH	IT	Hack-a-bot	Uipath
33.	Varshaa M J	B.TECH	IT	Hack-a-bot	UiPath
34.	Devadharshini S	B.TECH	IT	UIPath	Hack-a-Bot
35.	Thamaraikannan G	B.TECH	IT	Participation award	Uipath
36.	Vishal V	B.TECH	IT	Amazon ML challenge	AMAZON
37.	Ravi Sasthri	B.TECH	IT	Aptithon winner	Sona College of technology
38.	Subiksha C R	B.TECH	IT	Salesforce certified associate	Salesforce
39.	Vishal V	B.TECH	IT	Best of the Best - finalist (top 20)	Speakers' forum -SCT
40.	Tharanisree C	B.TECH	IT	Hack-abot	Ui path organization
41.	Nagaraj K.A	B.TECH	IT	Certification of Participation	Ui Path
42.	Vishal V	B.TECH	IT	IBM Evolve Hackathon	IBM-BNM IT, Bengaluru
43.	Raiyan ahamed.S	B.TECH	ADS	No	No

Our Department student 2nd year IT A section K.S. Abitha won 1st prize in state level dance competition TN GotsTalent Date 5th Jan 2023.



1. IT & ADS Students has been honored by the **SALEM CITY POLICE** for developing an app titled “**Migration Safe - Salem City**” which is used to maintain record of all migrant worker and also keep track of their safety.



2. Intel OneAPI hackathon by Intel corp and Hack2skill at IISc, Bengaluru. Shortlisted among nation wide entries and participated in 30 hrs hackathon demonstrating Medical image processing through SYCL/DPC++ using Intel one Libraries. won title of RunnerUp and received cash prize of Rs.20,000. *Only team in the theme of Medical Image processing to win title*. Title received from Intel marketing lead AP & J

Team members:

- Abbijanane M
- Harshita M S
- Kaamal V N
- Vishal V



3. **Mr. SOORIYA MS** – student of III year B.Tech – AI&DS programme has been selected for internship by IIT Kharagpur for his best performance in NPTEL exam October 2022 with stipend amount of RS 15,000. 2nd January 2023 to 1st July 2023



4. **Mr. NAVIN . J**– student of III year has been selected for internship by IIT Kharagpur for his best performance in NPTEL exam October 2022 with stipend amount of RS 15,000. 2nd January 2023 to 1st July 2023



5. **“NPTEL TOPPER 1% to 5%” by NPTEL, IIT Madras during Jan 2023 to June 2023.**

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ARUNA M
for successfully completing the course
Programming In Java
with a consolidated score of **82 %**

Online Assignments	24.75/25	Proctored Exam	57/75
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Total number of candidates certified in this course: 9357

Jan-Apr 2023
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL23CS49S24570209 To validate the certificate No. of credits recommended: 3 or 4

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SHIVANI N
for successfully completing the course
Design Thinking - A Primer
with a consolidated score of **90 %**

Online Assignments	21.5/25	Proctored Exam	68.62/75
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Total number of candidates certified in this course: 1510

Jan-Feb 2023
(4 week course)

Prof. Devendra Jaihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Indian Institute of Technology Madras

Roll No: NPTEL23MG11S25540309 To validate the certificate No. of credits recommended: 1 or 2

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
BRINDHA S
for successfully completing the course
Programming In Java
with a consolidated score of **85 %**

Online Assignments	23.31/25	Proctored Exam	61.5/75
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Total number of candidates certified in this course: 9357

Jan-Apr 2023
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL23CS49S24570465 To validate the certificate No. of credits recommended: 3 or 4

PAPER PRESENTATION BY THE STUDENTS

S. No	Student's Name	Degree, Year and Branch	Title of Paper Presented	Organizer and Place of program	Date
1.	Kaamal V N	B Tech-IT	Paper Presentation	Kongunadu College of Engg	3/19/2023
2.	Navina Tharsini J	B Tech-IT	Paper Presentation	Sri Ramakrishna Engg College	3/20/2023
3.	Subiksha C R	B Tech-IT	Paper Presentation	Sri Ramakrishna Engg College	5/7/2023

PARTICIPATION IN SEMINAR / CONFERENCE / WORKSHOP / TRAINING ETC. BY THE STUDENTS

S.No	Student's Name	Degree, Year and Branch	Details of Event	Organizer and Place of program	Date
1.	Vishal V	II	IT	Federal bank-Times of India	01/03/23
2.	Gurusurya M	III	IT	PSG college of technology	24/03/23
3.	Nivetha Sri S	III	IT	PSG COLLEGE OF TECHNOLOGY	24/03/23
4.	Monish Kumar R	III	IT	TN Police Cyber Crime Wing	29/03/23

5.	Suvetha J	II	IT	Sri Ramakrishna Engineering College	29/03/23
6.	Anto jerish s	III	ADS	Anna University ,guindy	18/04/23
7.	Riya K	III	IT	Sona College, UiPath	21/04/23
8.	Swathi S	III	ADS	Anna University	21/04/23
9.	Vishal V	II	IT	Google Developer students Club	25/04/23
10.	Swetha J	III	IT	Uipath	28/04/23
11.	Komalavalli V S	III	IT	UIpath	28/04/23
12.	Thanusuya sri S	III	IT	Uipath	28/04/23
13.	Varshaa M J	III	IT	UiPath	28/04/23
14.	Devadharshini S	III	IT	UIPath	28/04/23
15.	Subiksha C R	III	IT	UiPath	28/04/23
16.	Thamaraikannan G	III	IT	Uipath	28/04/23
17.	Nithish kumar M	III	IT	Uipath	28/04/23
18.	Tharanisree C	III	IT	Ui path organization	25/05/23
19.	Swetha S S	III	IT	UiPath Community	25/05/23
20.	Nagaraj K.A	III	IT	Ui Path	29/05/23
21.	Vishal V	II	IT	IBM-BNM IT, Bengaluru	12/06/23
22.	Suvetha J	II	IT	Web Design and Development	17/02/23
23.	Kaamal V N	III	IT	Google Data	19/03/23

				Analytics	
24.	Navina Tharsini J	III	IT	CCNA	20/03/23
25.	Suvetha J	II	IT	Deep Learning: Unlocking the full potential	25/03/23
26.	Nivas R	III	IT	Google Data Analytics	27/03/23
27.	Subiksha C R	III	IT	Salesforce certified associate	07/05/23
28.	Karthik R	ADS	III	Group Singing (Band) - YUGHA'23	10.03.2023
29.	Karthik R	ADS	III	Breaking Bands - Petrichor'23	04.02.2023
30.	Karthik R	ADS	III	Nazm (Poetry Writing) - Petrichor'23	04.02.2023
31.	Vishal V	IT	II	Speak For India(Zonals)	01.03.2023
32.	Ragavaa	B.Tech/ADS	Certificate of Participation-Workshop on NLP	Kumaraguru College of Technology, Coimbatore	27/02/2023
33.	Roshan Aniruth	B.Tech/ADS	Certificate of Participation-Workshop on NLP	Kumaraguru College of Technology, Coimbatore	27/02/2023
34.	Sugumar	B.Tech/ADS	Certificate of Participation-Workshop on NLP	Kumaraguru College of Technology, Coimbatore	27/02/2023

35.	Jeyavel.S	B.Tech/ADS	Certificate of Participation-Workshop on NLP	Kumaraguru College of Technology, Coimbatore	27/02/2023
36.	Ramprakash.K.R	B.Tech/ADS	Certificate of Participation-Workshop on NLP	Kumaraguru College of Technology, Coimbatore	27/02/2023
37.	Bhuvanraj	B.Tech/ADS	Certificate of Participation-Workshop on NLP	Kumaraguru College of Technology, Coimbatore	27/02/2023
38.	Rathesh	B.Tech/ADS	Certificate of Participation-Workshop on NLP	Kumaraguru College of Technology, Coimbatore	27/02/2023
39.	Dharinesh.Y	B.Tech/ADS	Certificate of Participation-Workshop on NLP	Kumaraguru College of Technology, Coimbatore	27/02/2023
40.	Nandha.S.R	B.Tech/ADS	Certificate of Participation-Workshop on Blockchain	CIT,Coimbatore	10/3/2023
41.	Tamilarasan.G	B.Tech/ADS	Certificate of Participation-Workshop on Blockchain	CIT,Coimbatore	10/3/2023
42.	Sudharsan.S.P	B.Tech/ADS	Certificate of Participation-Workshop on Blockchain	CIT,Coimbatore	10/3/2023
43.	Shashmitha	B.Tech/ADS	Participation in Sensathon	Sona College of Technology	19/4/2023& 20/4/2023
44.	Meizyagazan	B.Tech/ADS	Participation	Sona College of	19/4/2023&

			in Sensathon	Technology	20/4/2023
45.	Lokeas	B.Tech/ADS	Participation in Sensathon	Sona College of Technology	19/4/2023& 20/4/2023
46.	Monishasri	B.Tech/ADS	Participation in Sensathon	Sona College of Technology	19/4/2023& 20/4/2023

STUDENTS CLUB ACTIVITIES (ENGLISH CLUB, SCIENCE CLUB, PROGRAMMING CLUB, TREMORS CLUB ETC.)

S.No	Club Name	Program Name	Co-ordinated by	No. of Participants	Date of the event
1.	Sona Tamil Illakiva	Kalai Vizhla	Sugumaran	8	3.5.2023
2.	Programming club	Code Clash	S.Rajkumar U.K.BalajiSaravana	10	3.3.2023
3.	Programming club	Coding & quizz	S.Rajkumar U.K.BalajiSaravana	10	4.4.2023
4.	IQ & EQ	Mock Placement Drive	B.Gunasekaran Dr.A.Deiveegan	2	7.3.2023 to 11.3.2023
5.	English Club	Literacy League	Dr.G.Sarathalakshmi	15	2.5.2023 to 5.5.2023
6.	English Club	Literacy League	Dr.G.Sarathalakshmi	10	15.5.2023
7.	Sona Modern Theaters	Krivvas	Senthil Vadivu	2	8.5.2023, 9.5.2023 & 13.5.2023
8.	Sona Modern	Sona Champs	Senthil Vadivu	2	4.11.2023

STUDENTS SPEAKER FORUM ACTIVITIES

S. No	Name of The Students	Department	Topics by students
1.	Janani B	IT	Internet of Things
2.	Dhivya Dharshini G	IT	Nicholas James
3.	Devadharshini S	IT	Put down your negativity
4.	Karunya S	IT	Teamwork
5.	Kannan S	IT	Value of Time
6.	Pradeepa S	IT	Where there is a will there is a way
7.	Praveen N	IT	Friendship
8.	Kavin U K	IT	Trust issues
9.	Komalavalli V S	IT	Life without technology
10.	Nivetha Sri S	IT	Happiness
11.	Shuruthi A	IT	Marine Life
12.	Subiksha M	IT	Beauty is in the eye of beholder
13.	Harish Bharathi M	IT	Emerging technologies in industry
14.	Tharanisree C	IT	Shaping perspectives through conformity
15.	Arivumathi D	ADS	How to make life better and interesting
16.	Vishnuvarthan M	ADS	Importance of NCC
17.	Praveen S A	ADS	Travel and Tourism
18.	Huzair Ahmed R	ADS	Love is powerful than hate
19.	Hari Krishnan S	ADS	Nothing is permanent
20.	Sree Dharshan S	ADS	Handling Criticism
21.	Eswar Yaswanth Raj	ADS	Competitor

22.	Hari Krishnan S	ADS	Nature
23.	Preethika L	ADS	How This Culture Is Unfair To Women
24.	Dhanusri S	ADS	Child Labour
25.	Desilva S	ADS	Passion Towards Travelling
26.	Nithish Kumar M	IT	Chatgpt As A Study Buddy
27.	Mohammed Israr I	IT	Beauty Of Travelling
28.	Navin J	IT	Wonders In Space
29.	Revanth K S	IT	Power Of Words
30.	Vijay K	IT	Cosmetics
31.	Aswin S	IT	Is Colonizing In Mars Necessary?
32.	Haritha S P	IT	Body Shaming
33.	Monish P	IT	Agriculture Vs. Artificial Intelligence
34.	Janani B	IT	Patience
35.	Sowmya Arumugam	IT	First Impression
36.	Vaishnavi M	IT	Life Without Technology
37.	Pavithira S	IT	Social Media
38.	ShrineyJesta J	IT	Time Management
39.	Shyle Trana S	IT	Greenland
40.	Rishi Kesav A R	IT	How Magnet Works?
41.	Dhanush C K S	ADS	Things I Like To Do Alone
42.	Ragavaa M	ADS	How Pets Heal Human?
43.	Umamageshwari M	ADS	Life Before And After 20 th Century
44.	Sindhuja P	ADS	Happiness Vs Success
45.	Akil Sadik M H	ADS	Presentation Skills
46.	Selvakumar M	ADS	Face Unlocking

TOTAL NUMBERS STUDENTS ATTEND THE COMPANY INTERNSHIPS -43



PLACED DETAILS BATCH 2024 HIGH PACKAGE

S P Ranjith(IT) got offer from **Zscaler** as **Cloud Operations Engineer** with **19.5 Laksper annum** package



Dwaraknath B (AI&ADS) and **Harshithaa (IT)** got offer from **Zscaler** as **Associate Software Engineer** with **19.5 LPA** package



R Karthi (AI&DS) and **Harish R IT)** got offer from **CISCO** as **Associate Software Engineer** with **18.5 LPA** package



IN-PLANT / INTERNSHIP TRAINING BY THE STUDENTS

S.No	Student Name	Place of In-plant Training (Internship Training)	Period of Training (Date(s))
1.	Rathesh.S	Artifintel in association Withskillvertex	5 th March to 5 th April 2023
2.	Rosan Aniruth S.K	Artifintel in association Withskillvertex	5 th March to 5 th April 2023
3.	Sugumar.G	Artifintel in association Withskillvertex	5 th March to 5 th April 2023
4.	Ramprakash K.R	Artifintel in association Withskillvertex	5 th March to 5 th April 2023
5.	Saiprasath K B	Kaar Tech	From Nov 22 (6 months)
6.	Sandhiya	MindTree	From Jan 23 (6 months)
7.	SHAGIVARMAN R	CTS GenC	From Jan 23 (6 months)
8.	Ashwin Kumar .V	Vuram	From 18-01-2023
9.	JANSI RANI.T	IBM	From 10-01-2023
10.	V.SNEHA	Vuram	From 18-01-2023
11.	VARNISHA	Cisco	From 11-01-2023
12.	Vishnu Prajit V	Cisco	From 11-01-2023
13.	KANISH S	Zentropy	From 07-11-2022
14.	M.RAGHUL DAVID	Ecolabs	From 02-01-2023
15.	Harish Y	Consleague	From Jan 23 (6 months)
16.	Prithiga S K	Consleague	From Jan 23 (6 months)
17.	Sanjeevan K S	Consleague	From Jan 23 (6 months)
18.	Dhanush Prabhu S	Infineon	09-01-2023

19.	M B Rahuraman	Cognizant GenC-DN	From Jan 23 (6 months)
20.	Sathishkumar S	Lumen	From Jan 23 (6 months)
21.	SAKTHIPRIYA P	Cisco	From 11-01-2023
22.	HARIPRIYAA I	SpringFive	From 09-01-2023
23.	YAKESH G	SpringFive	From 09-01-2023
24.	MARIO MACRINA A	MindTree	From Jan 23 (6 months)
25.	Deepika T	Informatica	From 05-09-2022
26.	Yokeshwaran S	LightCast, NeuLabs	From 09-01-2023
27.	Dharani Shree A S	Cisco	From 11-01-2023
28.	Rakshitha Vaidhya.K	Accenture	From 18-01-2023
29.	Shama Anjum	Accenture	From 18-01-2023
30.	S.vinisha	TechMahindra	From Jan 23 (6 months)
31.	SIVAGAYATHRI.P	RecruitCRM	From 03-10-2022
32.	Obu Shruthi A	MindTree	From Jan 23 (6 months)
33.	SABITHA.V	MindTree	From Jan 23 (6 months)
34.	R.Sindhu	Kaar Tech	From 29-12-2023
35.	Sowndarya M S	MindTree	From Jan 23 (6 months)
36.	S Vijaya Lakshmi	MindTree	From Jan 23 (6 months)
37.	Prabu A	MindTree	From Jan 23 (6 months)
38.	Kanimitha S	CTS	From Jan 23 (6 months)
39.	Nidharshnaa.P	Kaar Tech	From 29-12-2023
40.	Prasanna M	BlueOceans tech	From Jan 23 (6 months)
41.	Abirami PL	WBC Softwares	From 25-01-2023
42.	Hariharan A	ThinkInnov	From 19-01-2023
43.	Indhumathi P	ThinkInnov	From 19-01-2023
44.	Arunkumaar T S	Smartshine Tech	From 09-01-2023

45.	Krithika Sree T	Smartshine Tech	From 09-01-2023
46.	KABHILAN A R	Shiash	6 months
47.	HARINI.T	DataCorp Traffic	From 18-01-2023
48.	Narmadha B	Vee Technologies	From Feb 23 (6 months)
49.	Ranjana J	Vee Technologies	From Feb 23 (6 months)
50.	Vijay.M	Vee Technologies	From Feb 23 (6 months)
51.	KAVYAA SHREE.S	Vee Technologies	From 18-01-2023
52.	Abbaskashim.S	TEAL	From 25-01-2023
53.	Soujanyaashmie M	TVS-SACL	From 18-01-2023
54.	Bhuvanesh.D	DataCorp Traffic	From 05-02-2023
55.	Marcus Durairaj	HP	From 23-02-2023
56.	Jawahar	BizAnalytica	From 23-02-2023
57.	Diloshaasri.R	Microgenesis	From Jan 23 (6 months)
58.	Mekha.R	Microgenesis	From Jan 23 (6 months)
59.	SANJAY S N	Vee Technologies	From Feb 23 (6 months)
60.	Abdul Azis A	Smarbridge	From Jan 23 (6 months)
61.	NAVEEN.S	Smarbridge	From Jan 23 (6 months)
62.	DEVI SHRUTHI S	Guvi	From Jan 23 (6 months)

SPEAKERS FORUM

The Department of Information Technology at Sona College of Technology encourages and motivates students to excel in communication and presentation skills through the Sona Students' Speakers' Forum (SSSF). The forum aims to make students good speakers with Accuracy, Brevity, and Clarity (ABC), driving away stage fear and making them great orators who speak fluently and with confidence. The Sona Students' Speakers' Forum (SSSF) medium is also utilized to disseminate students' thoughts and perspectives that have created impact among the future generations. The forum has witnessed around 600 participants from IT.



















PLACEMENT DETAILS

S. No	Register Number	Name	Company Name	CTC
1.	1919106014	Ashwin Kumar. V	Vuram, Infosys InfyTQ, Accenture	450000
2.	1919106032	Jansi Rani.T	Ecolabs, Vuram, IBM	1000000
3.	1919106098	V.Sneha	Vuram, Accenture	450000
4.	1919106111	Varnisha	Cisco,Vuram	1800000
5.	1919106915	Aswin S	Kaar Tech, Accenture	800000
6.	1919106115	Vishnu Prajit V	Cisco, Kaar Tech	2000000
7.	1919106040	Kanish S	Zentropy, Infosys InfyTQ, Accenture	700000
8.	1919106070	M.Raghul David	Ecolabs	1000000
9.	1919106029	Harish Y	Consleague, Accenture	600000
10.	1919106068	Prithiga S K	Consleague	600000
11.	1919106086	Sanjeevan K S	Consleague	600000
12.	1919106022	Dhanush Prabhu S	Infineon, SpringFive, Cognizant GenC-DN, Infosys InfyTQ	1500000
13.	1919106071	M B Rahuraman	Cognizant GenC-DN	450000
14.	1919106088	Sathishkumar S	Cognizant GenC-DN	450000
15.	1919106082	Sakthipriya P	Cisco	1800000
16.	1919106028	Haripriyaa I	SpringFive	500000
17.	1919106116	Yakesh G	SpringFive	500000
18.	1919106081	Sakthipriya G	LatentView, Infosys InfyTQ, Accenture	667000
19.	1919106084	Sanjay S	Infosys InfyTQ	420000

20.	1919106106	P.Srinithi	Infosys InfyTQ, Accenture	420000
21.	1919106052	Mario Macrina A	Infosys InfyTQ, MindTree	420000
22.	1919106020	Deepika T	Informatica, Finzly	1100000
23.	1919106067	Praveen T	Finzly	550000
24.	1919106119	Yokeshwaran S	LightCast, Accenture, NeuLabs	700000
25.	1919106030	Hiruthik K	Ganit, Accenture	900000
26.	1919106107	Surya S	Ganit	900000
27.	1919106023	Dharani Shree A S	Cisco	1800000
28.	1919106004	Abinath.D	Accenture	460000
29.	1919106010	S. Anitha Lakshmi	Accenture	460000
30.	1919106011	P.Arun Karthick	Accenture	460000
31.	1919106013	Arunkumar.L	Accenture	460000
32.	1919106044	Kishore K	Accenture	460000
33.	1919106050	Malavika	Accenture	460000
34.	1919106053	Mathangi P R	Accenture, CTS GenC Elevate	460000
35.	1919106077	Sai Sathiya R	Accenture	460000
36.	1919106079	Saiprasath K B	Accenture	460000
37.	1919106083	Sandhiya	Accenture, MindTree	460000
38.	1919106080	Sakthi S	Accenture	460000
39.	1919106087	G Saruthi	Accenture, Linde	460000
40.	1919106073	Rakshitha Vaidhya.K	Accenture	460000
41.	1919106090	Shama Anjum	Accenture	460000

42.	1919106105	Sridevi R	Accenture	460000
43.	1919106114	S.Vinisha	Accenture, TechMahindra	460000
44.	1919106049	Lokeshwaran. B	Hitachi	550000
45.	1919106091	Shanmathi B	Concize, Hitachi	3000000
46.	1919106096	Sivagayathri.P	RecruitCRM, TCS Digital	760000
47.	1919106009	Amritha Devangana	CTS GenC	400000
48.	1919106041	Karthikeyan S	CTS GenC	400000
49.	1919106065	G.Oviya	CTS GenC	400000
50.	1919106085	S.T.Sanjay	CTS GenC	400000
51.	1919106089	Shagivarman R	CTS GenC	400000
52.	1919106092	Shiva Dharshini.R	CTS GenC	400000
53.	1919106108	Susma T	CTS GenC	400000
54.	1919106110	Tharanies S	CTS GenC Elevate	450000
55.	1919106064	Obu Shruthi A	MindTree	400000
56.	1919106075	Sabitha.V	MindTree	400000
57.	1919106094	R.Sindhu	MindTree, Kaar Tech	400000
58.	1919106095	Sindhu.S	MindTree	400000
59.	1919106101	Sowndarya M S	MindTree	400000
60.	1919106113	S Vijaya Lakshmi	MindTree	400000
61.	1919106066	Prabu A	MindTree	400000
62.	1919106039	Kanimitha S	Zuci Systems, CTS	400000
63.	1919106056	A.Miduna	CTS GenC	400000
64.	1919106059	Mukilarasan.N	CTS GenC	400000
65.	1919106063	Nidharshnaa.P	CTS GenC ,TechMahindra, Kaar Tech	400000

66.	1919106025	Hari Aravind S	CTS GenC	400000
67.	1919106705	Prasanna M	BlueOceans tech	400000
68.	1919106006	Abirami PL	WBC Softwares	400000
69.	1919106069	Priyadharshini.S	TechMahindra, CTS	400000
70.	1919106109	Z.Syedasif	TCS, CTS	400000
71.	1919106057	Mohammed Afnaan T M	CTS	400000
72.	1919106026	Hariharan A	ThinkInnov	500000
73.	1919106031	Indhumathi P	ThinkInnov	500000
74.	1919106005	Abirami. M	HCL	425000
75.	1919106099	Soniya S	HCL, Intellect	425000
76.	1919106012	Arunkumaar T S	Smartshine Tech	300000
77.	1919106046	Krithika Sree T	Smartshine Tech	300000
78.	1919106038	Kabhilan A R	Shiash	300000
79.	1919106027	Harini.T	DataCorp Traffic, Vee Technologies	300000
80.	1919106061	Narmadha B	Vee Technologies	300000
81.	1919106074	Ranjana J	Vee Technologies	300000
82.	1919106112	Vijay.M	Vee Technologies	300000
83.	1919106043	Kavyaa Shree.S	Vee Technologies	300000
84.	1919106058	Moulieswaran V	HCL	425000
85.	1919106001	Abbaskashim.S	TEAL	600000
86.	1919106100	Soujanyarashmie M	TVS-SACL	300000
87.	1919106047	Logendiran. P	Trinamix	425000
88.	1919106019	Bhuvanesh.D	DataCorp Traffic	435000
89.	1919106051	Marcus Durairaj	HP	850000

90.	1919106034	Jawahar	BizAnalytica, Vee Technologies	550000
91.	1919106024	Diloshaasri.R	Microgenesis	300000
92.	1919106055	Mekha.R	Microgenesis	300000
93.	1919106709	Sanjay S N	Vee Technologies	240000
94.	1919106002	Abdul Azis A	Smarbridge	240000
95.	1919106062	Naveen.S	Smarbridge	240000
96.	1919106021	Devi Shruthi S	Guvi	450000

ARTICLES

GREATEST PAINTERS OF ALL TIME

LEONARDO DA VINCI

Leonardo da Vinci was an Italian polymath of the High Renaissance who is widely considered one of the greatest painters of all time. The *Mona Lisa* is the most famous of Leonardo's works and the most famous portrait ever made. *The Last Supper* is the most reproduced religious painting of all time.



MICHELANGELO

Michelangelo di Lodovico Buonarroti Simoni (6 March 1475 – 18 February 1564), known best as simply Michelangelo, was an Italian sculptor, painter, architect and poet of the High Renaissance born in the Republic of Florence, who exerted an unparalleled influence on the development of Western art. His artistic versatility was of such a high order that he is often considered a contender for the title of the archetypal Renaissance man, along with his rival, the fellow Florentine, Leonardo da Vinci.



ARTEMISIA GENTILESCHI

Artemisia **Lomi or Artemisia Gentileschi** (Italian; July 8, 1593 – c. 1656) was an Italian Baroque painter, now considered one of the most accomplished seventeenth-century artists, initially working in the style of Caravaggio. In an era when women had few opportunities to pursue artistic training or work

as professional artists, Artemisia was the first woman to become a member of the Accademia di Arte del Disegno in Florence and had an international clientele.

VINCENT VAN GOGH

Though he is seen today as one of the most influential painters in Western art, **Vincent van Gogh** was not commercially successful



during his lifetime. Since the early 20th century, however, his masterful paintings have been prized for their expressive emotion. Filled with dramatic brushstrokes and bold color, the Post-Impressionist painter's artwork is a roadmap to modern art.

PABLO PICASSO

In a wide-ranging career that moves through multiple styles, **Pablo Picasso** is undoubtedly one of the most recognized names in Western art. His role in launching Cubism would be enough to cement his status in the history books, but Picasso did much more. He is recognized for showing how Classical art can be mastered—and then manipulated—to become something new, fresh, and modern.



CLAUDE MONET

From bringing his easel out of the studio and into the environment to his landmark studies of time and light, **Claude Monet** is perhaps the most beloved of all Impressionist painters. In fact, his painting *Impression, Sunrise* is credited with launching the entire art movement.

AKSAY M

IT Ilyr

FACTS ABOUT INDIA

A floating post office

India has the largest postal network in the world with over 1, 55,015 post offices. A single post office on an average serves a population of 7,175 people. The floating post office in Dal Lake, Srinagar, was inaugurated in August 2011.



There are Over 300,000 Mosques in India!

With 14.2% of the country's population being from the Muslim community, India happens to have the most number of mosques in the world. Some of the famous ones being Jama Masjid (New Delhi), Mecca Masjid (Hyderabad), Taj-Ul-Masjid (Bhopal), etc.



World's Highest Rail Bridge in Jammu

About 35 metres taller than the Eiffel Tower, the arch-shaped Chenab bridge in Jammu and Kashmir is the world's tallest rail bridge. It stands at the height of 1,178 feet over the river Chenab.

JAISREE RAGAVI J

IT Ilyr

MAN MADE "BREATHING" LEAF

First Man-Made Biological Leaf to Make Oxygen for Space Travel

An inventor in the UK has developed the world's first synthetic biological leaf that absorbs water and carbon dioxide to produce oxygen just like a plant, and it could enable long-distance space travel. The leaf, created by Royal College of Art student Julian Melchiorri, consists of chloroplasts suspended in a matrix made out of silk protein.



"The material is extracted directly from the fibres of silk," Melchiorri said.

"This material has an amazing property of stabilising molecules. I extracted chloroplasts from plant cells and placed them inside this silk protein. As an outcome I have the first photosynthetic material that is living and breathing as a leaf does," he said.



Like the leaves of a plant, Melchiorri's Silk Leaf needs light and a small amount of water to produce oxygen, 'Dezeen' reported.

"Silk Leaf is the first man-made biological leaf. It's very light, low energy-consuming, it's completely biological,"

Melchiorri said.

"Plants don't grow in zero gravity. NASA is researching different ways to produce oxygen for long-distance space journeys to let us live in space. This material could allow us to explore space much further than we can now," said Melchiorri.

The Silk Leaf project was developed as part of the Royal College of Art's Innovation Design Engineering course in collaboration with Tufts University silk lab.

Melchiorri said the leaf could also be used for outdoor applications. "So facades, ventilation systems. You can absorb air from outside, pass it through these biological filters and then bring oxygenated air inside," he said.

DHARUNKUMAR

IT IIIyr

THE ART OF LISTENING

In a world filled with noise, the art of listening is often overlooked. Yet, it is one of the most powerful tools for building meaningful relationships and understanding others.

Listening is more than just hearing words; it is about truly engaging with the speaker. It requires attention, empathy, and an open mind. When we listen actively, we validate the speaker's feelings and experiences, making them feel heard and valued.

Good listeners are rare, but they have a profound impact. In personal relationships, listening strengthens bonds and resolves conflicts. In the workplace, it fosters collaboration and innovation. Even in everyday interactions, listening can turn a mundane conversation into a meaningful exchange.

However, listening is not always easy. It requires patience and the willingness to set aside our own thoughts and judgments. It means resisting the urge to interrupt or offer advice unless asked.

Practicing the art of listening enriches our lives. It deepens our connections, broadens our understanding, and reminds us of the value of human connection.

SINDHU J

IT IIIyr

THE LOST KEY

Aarav was frantic. His tiny treasure box, a gift from his late grandfather, held his most cherished belongings: a seashell from his first trip to the beach, a faded photo of his family, and a friendship bracelet from his best friend. But now, the key was missing.

“It has to be here somewhere,” Aarav muttered, overturning cushions and crawling under the bed. His mother peeked into the room and smiled. “Did you check your schoolbag?” she asked.

“Why would it be there?” Aarav replied, exasperated. But he checked anyway. No key.

As the day went on, Aarav searched every nook and cranny of the house. The garden, the kitchen, even the laundry basket. Each time he came up empty-handed, his frustration grew.

By evening, Aarav sat on the porch steps, defeated. His father joined him, holding a small flashlight. “Sometimes,” his father said, “looking for something isn’t about where you look, but how you look.” He handed Aarav the flashlight. “Try again, but this time, slow down.”

Aarav sighed but took the advice. With deliberate care, he retraced his steps from the previous day. When he reached the living room, something caught his eye under the coffee table. He crouched down and, with a triumphant shout, retrieved the tiny golden key.

“I found it!” Aarav exclaimed, running to his room to unlock the treasure box. As the lid opened, he realized the key wasn’t just a tool; it was a reminder that patience and perseverance could unlock more than just boxes.

SRI DEEPAK P

IT IIIyr

A STRANGER'S SMILE

The day had started poorly for Mira. She had missed her bus, spilled coffee on her favorite shirt, and forgotten an important document at home. By noon, she felt like the universe was conspiring against her.

As she trudged down the crowded street, Mira's frustration was written all over her face. She barely noticed the bustling shops or the warm sunlight streaming through the clouds. Lost in her thoughts, she almost collided with a young man walking in the opposite direction.

"Sorry!" he said, stepping aside with a smile that lit up his face. It was a simple smile—genuine, warm, and unassuming—but it stopped Mira in her tracks. For a moment, the weight of her day lifted. She smiled back, a small but genuine curve of her lips.

That brief encounter stayed with her. She carried the stranger's smile in her mind, replaying it whenever frustration threatened to overwhelm her. By the end of the day, Mira realized something profound: sometimes, a small gesture can make a big difference. And tomorrow, she decided, she would pass that smile on to someone else.

DARSHIKA Y

IT IIIyr

THE TIME CAPSULE

When Priya and her brother Rohan found an old, rusted box buried in their backyard, they were immediately intrigued. With their parents' permission, they pried it open to find an assortment of yellowed letters, faded photographs, and trinkets from decades past.

"It's a time capsule!" Rohan exclaimed, carefully unfolding one of the letters. The handwriting was neat but shaky, and the words spoke of hopes for the future and memories of a simpler time.

The capsule had been buried by their grandparents when they were newlyweds, filled with items that represented their dreams and life together. There was a miniature globe, symbolizing their desire to travel, and a pressed flower from their wedding day.

As Priya and Rohan explored the contents, they felt an overwhelming connection to their family's history. It was more than a collection of objects; it was a glimpse into the lives of the people who had come before them.

That evening, they decided to create their own time capsule, filling it with treasures that told the story of their present. One day, they hoped, another generation would discover it and feel the same sense of wonder and connection.

YESWANTH S

IT IIIyr

THE LITTLE BIRD THAT COULD

The little bird's nest was perched high in an old oak tree. Every day, the young bird watched its siblings practice their flying, flapping their wings and soaring with ease. But for the little bird, the idea of leaving the nest was terrifying.

"What if I fall?" it asked its mother one evening.

"You might," she replied gently. "But you'll never know how high you can fly unless you try."

The next morning, the little bird took a deep breath and stepped to the edge of the nest. With its heart pounding, it spread its wings and leaped. For a moment, it felt like it was falling—but then, its wings caught the air, and it was flying.

The little bird soared higher and higher, feeling the wind rush past and the warmth of the sun on its feathers. It wasn't perfect, but it was free. And in that moment, the little bird learned that courage wasn't the absence of fear, but the willingness to face it.

SNEKA S

IT IIIyr