NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI- 628 503.

(An Autonomous Institution – Affiliated to Anna University, Chennai)

Department of Information Technology

NEWSLETTER

VISION

- To produce technically competent and value based IT Professionals to meet the current challenges of the modern IT industry.

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MISSION

- Imparting quality education with innovative components in teaching learning process.

- Conducting student centric programme to enhance communication, team spirit, leadership skills and self learning.

- Motivating the students to realize the need of ethics and human values.

- Developing a conducive environment for collaborative research.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

- Excel in IT, ITES industries and higher education by applying the principles and practices of computing.

- Maintain professionalism and adapt to emerging technologies.

- Equip themselves as a leader and capable of managing Multi-disciplinary environment.

PROGRAM SPECIFIC OUTCOMES (PSOs)

- Analyze and suggest the appropriate IT infrastructure required for the implementation of a project.

- Design, develop and test interdisciplinary software systems to meet the industry demands.

ABOUT DEPARTMENT

The B.Tech Information Technology programme was started in the year 2001.The Department also offers M.Tech Information Technology (Information and Cyber Warfare) programme. The Department has stable and experienced staff members. The department is well equipped with advanced laboratories like Network Management Lab, Programming Lab, RDBMS Lab and Software Project Lab.

Our IT department is fully accommodated with modern Hardware and Software accessibility to cater to the academic needs of students and staff. The entire campus is connected through OFC and sophisticated Internet facilities provided for academic and research work.

The faculty members are actively engaged in research activities in the areas like Image Processing, Wireless Communication, Network security, Texture Analysis, Mobile Ad-hoc Networks, Parallel Computing, Artificial Intelligence, Data analytics, Real Time Systems, Distributed and Object Oriented Computing.

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Instagram Link: https://instagram.com/necitsm?igshid=YmMyMTA2M2Y=

Facebook Link: https://www.facebook.com/profile.php?id=100076613568314

SEMINAR/WORKSHOP ORGANIZED:

S.No	Name of the Forum	Programme Title	Date	Participant count
1	**CSI Students' Branch**	Founders memorial Day events: Paper presentation & shuffle and prelect	12-03-2022	22
2		Webinar on "Block chain Technology in Health care Field"	30-03-2022	59
3		National Level Technical Symposium NECSI'22	13-05-2022 & 14-05-2022	182
4		75th Independence Day celebration events: Art and Crafts	12-08-2022	26
5		75th Independence Day celebration events: Elocution Event	13-08-2022	14
6		CSI Inaugural Function	27-08-2022	120
7		CSI orientation	29-08-2022	180
8		"Codethon" - Coding Contest	03-09-2022	62
		Workshop on "Walk with photoshop"	10-09-2022	23
10		Seminar on "Softskill Success"	10-09-2022	51
1	**IE(I) Students' Chapter**	Memorial Day Events : Ready to Roll, Meme Creation	12-03-2022	33
2		Virtual Power Seminar on "Women Empowernment"	08-03-2022	57
3		Founders Day Events : Poster Making, Ready To Roll	16-09-2022	25
4		Teachers Day Events : Poster Design, Just A Minute	05-09-2022	36
5		Workshop on Oracle Apex	12-09-2022	45
6		Codeathon - Coding Contest	01-10-2022	42
1	**IT Association**	Alumni Interaction Programme - Face the Industry	02.02.2022	60

S.No	Name of the Forum	Programme Title	Date	Participant count
2		Put 2 & 2 gether	12.05.2022	63
3		Jeontuz – Symposium	17.06.2022	150
4		Inaugural function of IT Association	03.09.2022	92
5		Make Coding Fun	10.09.2022	68
6		Patriotic Singing	12.08.2022	31

SERVICE TO OUTSIDE ORGANIZATION:

S.No	Name of the faculty	Topic covered	Name of the institution	Number of participants	Event Date
1.	Ms.N.Gowthami	C Programming	V.O.Chidambaram College, Thoothukudi	29	02-09-2022 06-09-2022 14-09-2022 19-09-2022
2.	Dr.L.JerartJulus	Machine learning	V.O.Chidambaram College, Thoothukudi	29	01-09-2022 05-09-2022 08-09-2022 15-09-2022 16-09-2022 21-09-2022
3.	Ms.V.Anitha	Remote Sensing and Image Analysis	St.Xaviers College (Autonomous), Tirunelveli	196	23-09-2022

HACKATHONS CONTEST PARTICIPATION

Hackathons Contest Participation				
S.No	Team members	Mentor name	Venue address	Participated date
1	M.RajaArumugham,N.Narmatha,J. JohnPradeep,S.Pradiksha,M.MareesKannan	Mr.P.G.Siva Sharma Karthick	G.Pullaiah College of Engineering and Technology, Andhra Pradesh	25,26 August 2022

PLACEMENT DETAILS (2022-2023)

Sl.No	Reg.No	Name of the Student	COMPANY NAME	SALARY (LPA)
1	1915054	SUGA PRIYA K	M/s.VLINDER LABS PVT LTD, BENGALURU	8,00,000
2	1915049	SHUNMUGALAKSHMI P	M/s.VLINDER LABS PVT LTD, BENGALURU	8,00,000
3	1915005	HARIHARASUDHAN.P	M/s.VLINDER LABS PVT LTD, BENGALURU	8,00,000
4	1915033	JAIKUMAR CS	M/s.VLINDER LABS PVT LTD, BENGALURU	7,00,000
5	1915034	JOTHI DEETSHIHA D	M/s.MISTRAL SOLUTIONS, BENGALURU	500400
6	1915003	BHARATHI C	M/s.MISTRAL SOLUTIONS, BENGALURU	500400
7	1915002	ANANDH A	M/s.MISTRAL SOLUTIONS, BENGALURU	500400
8	1915050	SIVA SANGARI.V	M/s.MISTRAL SOLUTIONS, BENGALURU	500400
9	1915046	SANTHOSH G R	M/s.MISTRAL SOLUTIONS, BENGALURU	500400
10	1915057	VALLI MEENA. S	M/s.ZOHO CORPORATION, CHENNAI	840000
11	1915030	ANUSIYA G	M/s.ZOHO CORPORATION, CHENNAI	700000
12	1915050	SIVA SANGARI.V	M/s.ZOHO CORPORATION, CHENNAI	700000
13	1915028	ANTO ROSARIO S	M/s.BRIMMA TECH PVT.LTD, CHENNAI	500000
14	1915039	MANGAI ESAKKI P	M/s.BRIMMA TECH PVT.LTD, CHENNAI	500000
15	1915038	MADHU SUTHANAN M	M/s.BRIMMA TECH PVT.LTD, CHENNAI	500000
16	1915027	ANANTHI R	M/s.NCOMPASS TECHSTUDIO PVT LTD, CHENNAI	650000
17	1915017	SURIYA.S	M/s.NCOMPASS TECHSTUDIO PVT LTD, CHENNAI	650000
18	1915003	BHARATHI C	M/s.COGNIZANT TECHNOLOGY SOLUTIONS,CHENNAI	425000
19	1915002	ANANDH A	M/s.COGNIZANT TECHNOLOGY SOLUTIONS,CHENNAI	675000
20	1915046	SANTHOSH G R	M/s.COGNIZANT TECHNOLOGY SOLUTIONS,CHENNAI	425000
21	1915054	SUGA PRIYA K	M/s.COGNIZANT TECHNOLOGY SOLUTIONS,CHENNAI	675000
22	1915037	MADHUMADHI.I	M/s.VURAM TECHNOLOGY SOLUTIONS, CHENNAI	450000
23	1915025	VIRANTH D	M/s.NMS WORKS SOFTWARE PVT LTD, CHENNAI	360000
24	1915026	THATCHAINI.S	M/s.NMS WORKS SOFTWARE PVT LTD, CHENNAI	360000
25	1915021	GOWTHAM.C	M/s.NMS WORKS SOFTWARE PVT LTD, CHENNAI	360000
26	1915009	MANIKANDAN.K	M/s.NMS WORKS SOFTWARE PVT LTD,	360000

Sl.No	Reg.No	Name of the Student	COMPANY NAME	SALARY (LPA)
			CHENNAI	
27	1915051	SIVA SANKARI P	M/s.DATA PATTERN (INDIA) PVT LTD,CHENNAI	4,20,000
28	1915041	MUTHULAKSHMI A	M/s.DATA PATTERN (INDIA) PVT LTD,CHENNAI	4,20,000
29	1915029	ANU. R	M/s.DATA PATTERN (INDIA) PVT LTD,CHENNAI	4,20,000
30	1915056	SUSHMITHA K	M/s.FINZLY INC,CHENNAI	6,00,000
31	1915006	ISHWARYA .R	M/s.FINZLY INC,CHENNAI	6,00,000
32	1915022	MARISWARAN.S	M/s.FINZLY INC,CHENNAI	6,00,000
33	1915052	SIVALINGAM	M/s.FINZLY INC,CHENNAI	6,00,000
34	1915033	JAIKUMAR CS	M/s.RAMCO SYSTEMS LTD,CHENNAI	4,00,000
35	1915044	RAMYA.M	M/s.CENTIZEN INC,TIRUNELVELI	4,00,000
36	1915040	MANJULA DEVI M	M/s.CENTIZEN INC,TIRUNELVELI	4,00,000
37	1915014	RAMYA.S	M/s.CENTIZEN INC,TIRUNELVELI	4,00,000
38	1915001	AARTHY R	M/s.CENTIZEN INC,TIRUNELVELI	4,00,000
39	1915012	PRADEEP RAJADURAI W	M/s.CENTIZEN INC,TIRUNELVELI	4,00,000
40	1915041	MUTHULAKSHMI A	M/s.KAAR TECHNOLOGIES,CHENNAI	6,50,000
41	1915014	RAMYA.S	M/s.HEXAWARE TECHNOLOGIES,CHENNAI	4,00,000
42	1911045	DIVYASHRI.S	M/s.HEXAWARE TECHNOLOGIES,CHENNAI	4,00,000
43	1915004	DHARANI. S	M/s.CAPGEMINI,BENGALURU	3,50,000
44	1915032	HARRISH KUMAR G M	M/s.CAPGEMINI,BENGALURU	3,50,000
45	1915048	SARANYA.A	M/s.CAPGEMINI,BENGALURU	3,50,000
46	1915036	KUMAR S	M/s.CAPGEMINI,BENGALURU	3,50,000
47	1915019	YOGESH V	M/s.CAPGEMINI,BENGALURU	3,50,000
48	1915011	NITHISH BABU S	M/s.CAPGEMINI,BENGALURU	3,50,000
49	1915008	MALA DEVI.P	M/s.CAPGEMINI,BENGALURU	3,50,000
50	1915032	HARRISH KUMAR G M	M/s.TRINGAPPS INC,CHENNAI	3,00,000
51	1915060	VIGNESHWARAN K	M/s.TRINGAPPS INC,CHENNAI	3,00,000
52	1915058	VIGNESH.A	M/s.TRINGAPPS INC,CHENNAI	3,00,000
53	1915016	SHENBAGA NARAYANAN K	M/s.TRINGAPPS INC,CHENNAI	3,00,000
54	1915060	VIGNESHWARAN K	M/s.EXALCA TECHNOLOGIES,BENGALURU	3,00,000

JOURNAL PUBLICATIONS:

- **S. Chidambaram &** M. M. GowthulAlam , "An Integration of Archerfish Hunter Spotted Hyena Optimization and Improved ELM Classifier for Multicollinear Big Data Classification Tasks", Neural Processing Letters, volume 54, pages 2049–2077 (2022), https://doi.org/10.1007/s11063-021-10718-0.

- **V.Manimaran, K.G.Srinivasagan, "**Person Re-Identification Using LBPH and K-Reciprocal Encoding", Intelligent Automation and Soft Computing, Tech Science Press, Vol.34 No.2, page. 1109-1121, May 2022, https://www.techscience.com/iasc/v34n2/47623.

- **S.Rajagopal,** T.Ramakrishnan, S.Vairaprakash, "Anatomical Region Detection Scheme Using Deep Learning Model in Video Capsule Endoscope", Intelligent Automation and Soft Computing,, Tech Science Press, Vol.34 No.3 Page.1927-1941, May 2022, https://www.techscience.com/iasc/v34n3/47916.

- Andrew Roobert, P. SherlyArunodhayamary, D. GraciaNirmala Rani, M. Venkatesh, **L. JerartJulus, "**Design and analysis of 28 GHz CMOS low power LNA with 6.4 dB gain variability for 5G applications", Transactions on Emerging Telecommunications Technologies, Wiley, Vol. 33, Issue 7, March 2022, https://doi.org/10.1002/ett.4486

- **S. Chidambaram**,S. SankarGanesh,AlagarKarthick,PrabhuJayagopal, "Diagnosing Breast Cancer Based on the Adaptive Neuro-Fuzzy Inference System", Computational and Mathematical Methods in Medicine, Hindawi, Volume 11- Pages – 1- 11, May 2022, https://doi.org/10.1155/2022/9166873.

- **R. Muthukkumar,** LalitGarg, K. Maharajan, M. Jayalakshmi, NzJhanjhi, S. Parthiban, G. Saritha, "A genetic algorithm-based energy-aware multi-hop clustering scheme for heterogeneous wireless sensor networks", PeerJ Computer Science, PeerJ, Aug. 2022

- **M. Manimegalai**, K. Sebasthiarani, "Efficient Routing in Smart Grid Communication by Secured ABC – ANN Algorithm", IEEE Xplore, July 2022.

SCOPUS PUBLICATIONS:

S. No	Project Guide	Title of the Paper	Name of the Journal	Volume and Issue	Month & Year
1.	Dr.V.Jackins	Efficient Lungs Disease Prediction using CNN Algorithm,	International Journal of Creative Research Thoughts(IJCRT)	Vol. 10, Issue 6, ISSN:2320-2882 PP: b235-b241	June 2022

S. No	Project Guide	Title of the Paper	Name of the Journal	Volume and Issue	Month & Year
2.	Dr.V.Jackins	Smart and Secure Storage System Based on NOSQL Databases	International Journal of Creative Research Thoughts(IJCRT)	Vol. 10, Issue 5 ISSN:2320-2882 PP: i349-i354	June 2022
3.	Dr.V.Jackins	AI-Based Smart Irrigation System	International Journal of Creative Research Thoughts(IJCRT)	Vol. 10, Issue 5 ISSN:2320-2882 PP: d366-d371	May 2022
4.	Dr.L.JerartJulus	An Optimal Fuzzy and Secure Data Encryption in Cloud	International Journal of Creative Research Thoughts(IJCRT)	Vol. 10, Issue 6 ISSN:2320-2882 PP: c233-c239	June 2022
5.	Dr.L.JerartJulus	Provable data possession based Multi-Cloud Storage Security with Auditing	IEEE Conference Xplore	IEEE	April 2022
6.	Dr.L.JerartJulus	A Secured Imagine Encryption Algorithm based RUBIK's Cube Principle with RSA Encryption	International Journal of Creative Research Thoughts(IJCRT)	Vol. 10, Issue 6 ISSN:2320-2882 PP: a149-a154	June 2022
7.	Mr.G.Pandiyarajan	Weather Forecasting using Deep Learning Algorithm	International Journal of Special Education	Vol.37, No.3 PP 14323-14331	2022
8.	Mr.G.Pandiyarajan	Smart Electricity Demand Forecasting by using Hybrid ARIMA with LSTM Algorithm	International Journal of Creative Research Thoughts(IJCRT)	Vol. 10, Issue 5 ISSN:2320-2882 PP: c608-c615	May 2022
9.	Mr.G.Pandiyarajan	Chronic Kidney Disease Detection using Deep Learning Algorithm	International Journal of Special Education	Vol.37, No.3 PP: 14267-14276	2022
10.	Ms.N.Gowthami	Detection of a DDoS Attack in SDN	International Journal of	Vol. 9, Issue 2,	April 2022

| S. No	Project Guide	Title of the Paper	Name of the Journal	Volume and Issue	Month & Year
		Environment using SVM Algorithm	Research and Analytical Reviews	E-ISSN: 2348-1269 PP: 268-275	
11.	Ms.N.Gowthami	Detection of a DDoS Attack in SDN Environment using KNN Algorithm	International Journal of Research and Analytical Reviews	Vol. 9, Issue 2, E-ISSN: 2348-1269 PP: 252-257	April 2022
12.	Ms.M.Manimegalai	Cloud-based Information Retrieval using a Recurrent Neural Network Algorithm and Fuzzy Logic	International Journal of Special Education	Vol.14, No.4 PP: 764-771	2022
13.	Ms.M.Manimegalai	Combining Data Owner-Side and Cloud-Side Access Control in Attribute based Encrypted Cloud Storage	International Journal of Special Education	Vol.14, No.4 PP: 749-763	2022
14.	Ms.S.Santhi	Electricity Price Prediction using Artificial Neural Network	International Journal of Special Education	Vol.37, No.3 PP: 15172-15181	2022
15.	Mr.P.G.Siva Sharma Karthick	Detecting Network attacks in internet of Things Devices using Back Propagation Algorithm	International Journal of Special Education	Vol.37, No.3 PP: 14277-14286	2022

Book Chapters:

S. No.	Name of the Staff	Title of the book/chapters published	Title of the paper	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher
1.	**L. JerartJulus** Krishnan Ayyappan	Privacy and Security Challenges in Cloud Computing	Security-Enhanced Cloud for Serverless Computing and Its	2022	eBook ISBN 9781003219880	CRC Press

S. No.	Name of the Staff	Title of the book/chapters published	Title of the paper	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher
			Applications			
2.	B.Sheik Mohamed M.Satheesh Kumar **K.G.Srinivasagan**	Privacy and Security Challenges in Cloud Computing	Quantum Computing and Quantum Cryptography	2022	eBook ISBN 9781003219880	CRC Press

Student involvement in Technical forums

CSI STUDENTS' BRANCH EVENTS

75th Independence Day Event Celebration Event:
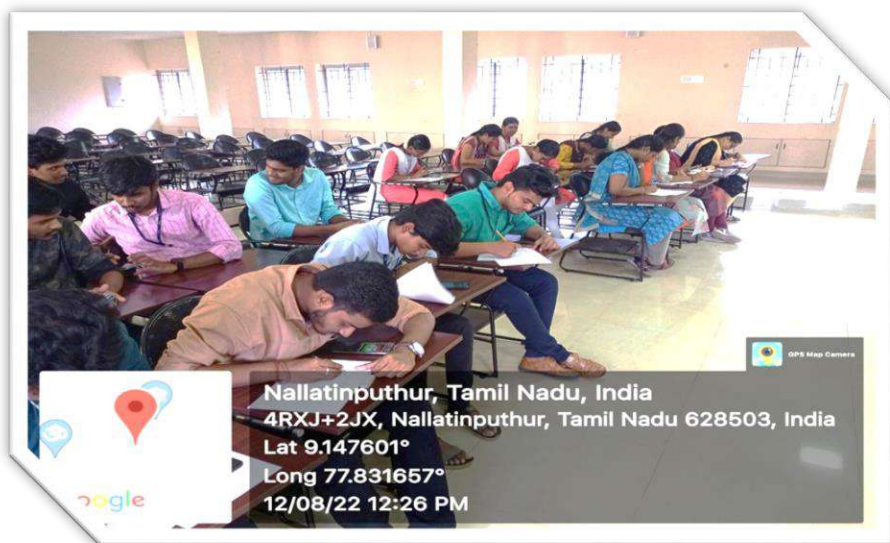
Event: 75th
Independence Day Event Celebration Event, "Art and Craft" (Theme: India at 2047) on 11-08-2022 at IT Seminar Hall. There are 26 number of students have been actively participated in this event.

ELOCUTION (Theme: "Awareness on New Education Policy"):

The elocution event was conducted on 13-08-2022, 3 pm at IT Seminar hall. There are 14 students have participated in this event. The student have already prepared well relevant to the theme. Based on the content quality, the volume of relevant information the student referred and kind of delivery of content are considered for evaluation and prize winners were finalized.

Event : Elocution event , on 13-08-2022, at IT Seminar hall.

CSI STUDENTS' BRANCH INAUGURAL PROGRAMME:

The Computer Society of India (CSI) students' Branch inaugural function was held for the academic year 2022-2023 on 27-08-2022 (Saturday), at 11a.m, Assembly hall. The chief guest of the function is **Mr. R. Sabarishkumar, Data Engineer** (Alumni 2012 IT Batch), Lowe's Services India Pvt. Ltd., Bengaluru, Karnataka**.**All the students from both CSE and IT were participated.

Event: Chief guest **Mr. R. Sabarishkumar, Data Engineer** (Alumni 2012 IT Batch), Lowe's Services India Pvt. Ltd., Bengaluru delivering guest lecture.

CODING CONTEST (CODATHON):

The coding contest **"CODATHON"**have been conducted for the II& III year CSE and IT students on 03-09-2022 from 3pm to 5pm at UG Lab1/IT department and CVR Lab/ CSE department. There are 62 students have participated in the event.

Event: Coding contest **"CODATHON,** on 03-09-2022 at IT UG lab 1 & CVR lab/CSE dept.

WORKSHOP ON "WALK WITH PHOTOSHOP"

The Workshop on **"Walk with photoshop"**have been conducted for the II& III year CSE and IT students on10-09-2022 from 3.30pm to 5pm at UG Lab1/IT department. There are 23 students have participated in this event.

Event: Workshop on **"Walk with photoshop,** on10-09-2022 at UG lab 1, IT department.

SEMINAR ON "SOFTSKILL SUCCESS" :

The Seminar on **"Soft skill Success"**has been conducted for the III year CSE and IT student's on10-09-2022 from 2.00pm to 3.30pm at CSE Seminar Hall. There are 52 students were participated

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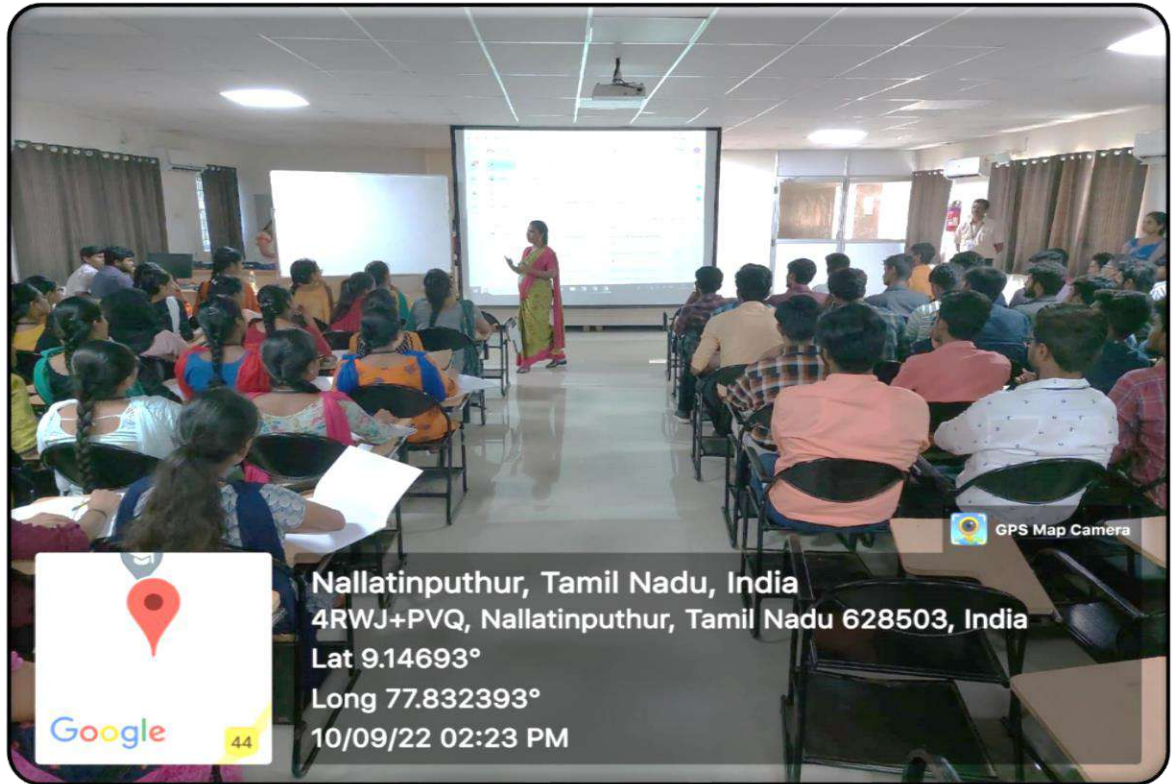
Event: Seminar on **"Soft skill Success",** on10-09-2022, Resource person: **Ms.Jeba**, Softskill trainer, S&H department.

WEBINAR ON "LOW CODE/ NO CODE TECHNOLOGIES":

A webinar on "Low Code/ No Code Technologies" were conducted during 08.10.2022 at APJ Lab, CSE department. The resource person for this programmeis **Mr.G.J.Ramesh (CSE Alumni:2012-2016 Batch)**, Senior Solutions Consultant,Vuram Technologies, Chennai. There are 32 number of students were participated.
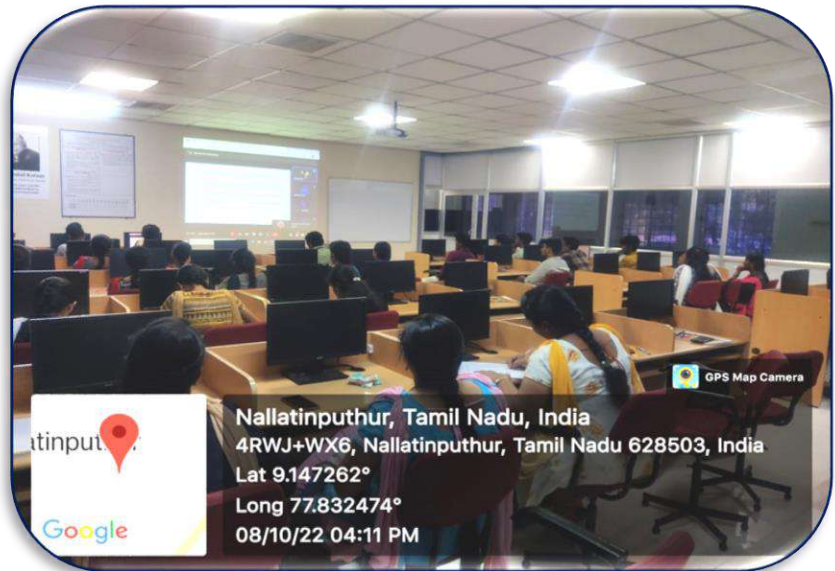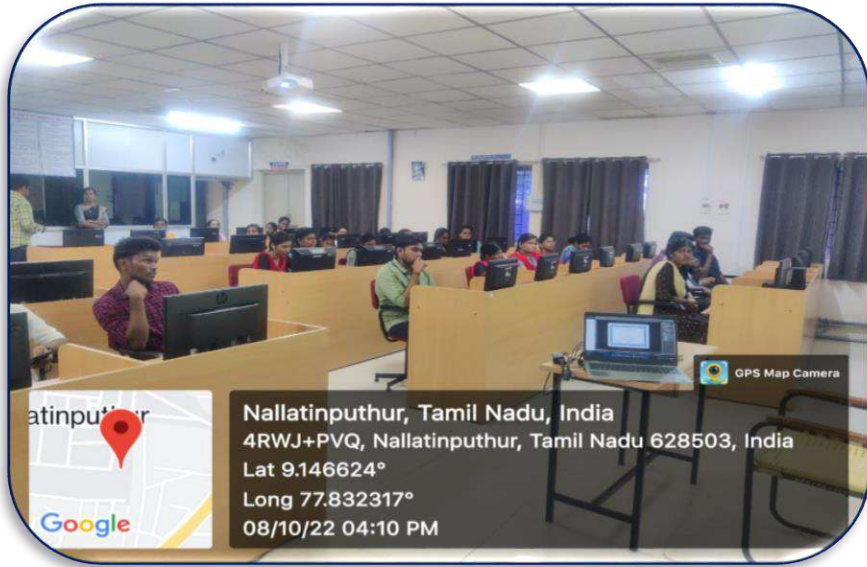
Event: Webinar on "Low Code/ No Code Technologies", Resource Person: **Mr.G.J.Ramesh (CSE Alumni:2012-2016 Batch)**, Senior Solutions Consultant,Vuram Technologies, Chennai
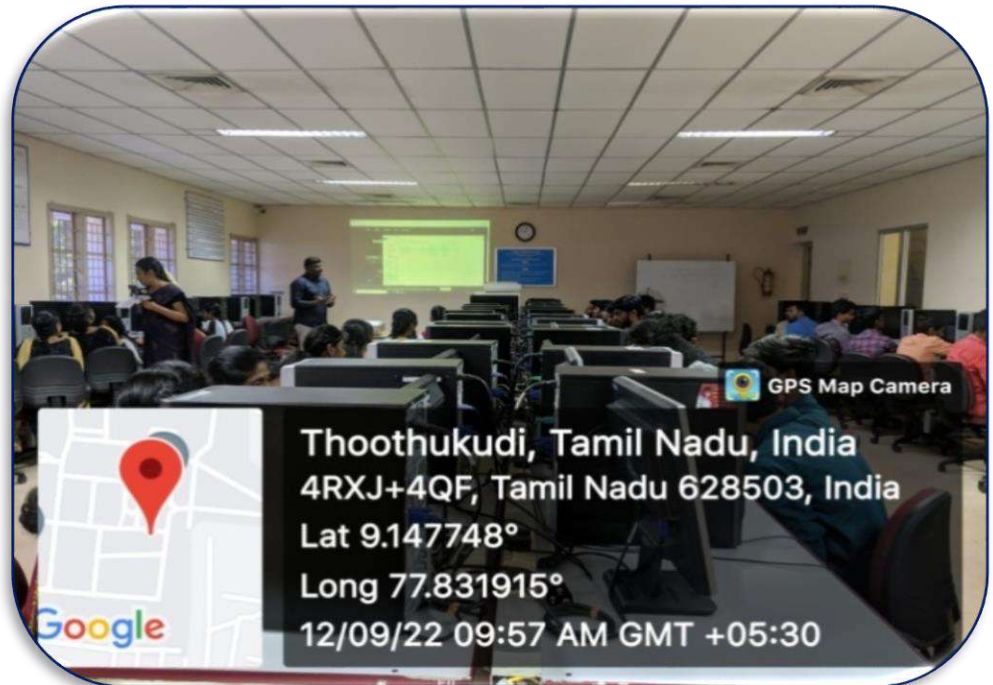
IE(I) STUDENTS' CHAPTER ACTIVITIES

**VIRTUAL POWER SEMINAR ON "WOMEN EMPOWERMENT":**

Event: Virtual Power Seminar on **"Women Empowerment"** on 08.03.2022 for III year students, **Resource Person: Ms.VanipriyaJayaraman, Director Co-Creation, Exotel**

WORKSHOP ON ORACLE APEX :

Event: Workshop on Oracle Apex on 12.09.2022 for III year students **Resource Person: Mr.KarkuvelrajaThangamariappan**, Lead Engineer, DAMAC Properties, Dubai, Director – Training and Special Projects, INOAUG

"CODING CONTEST – CODEATHON"
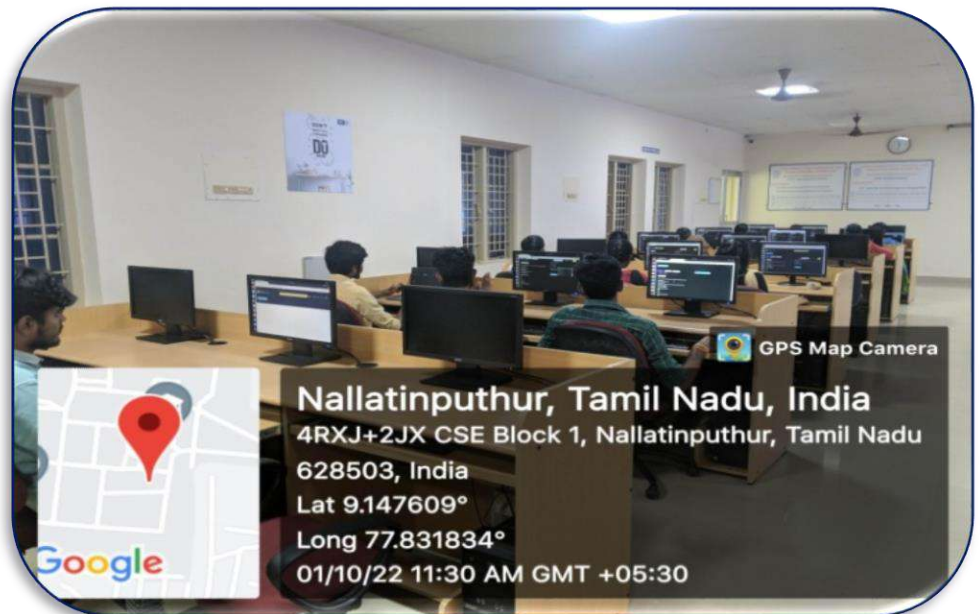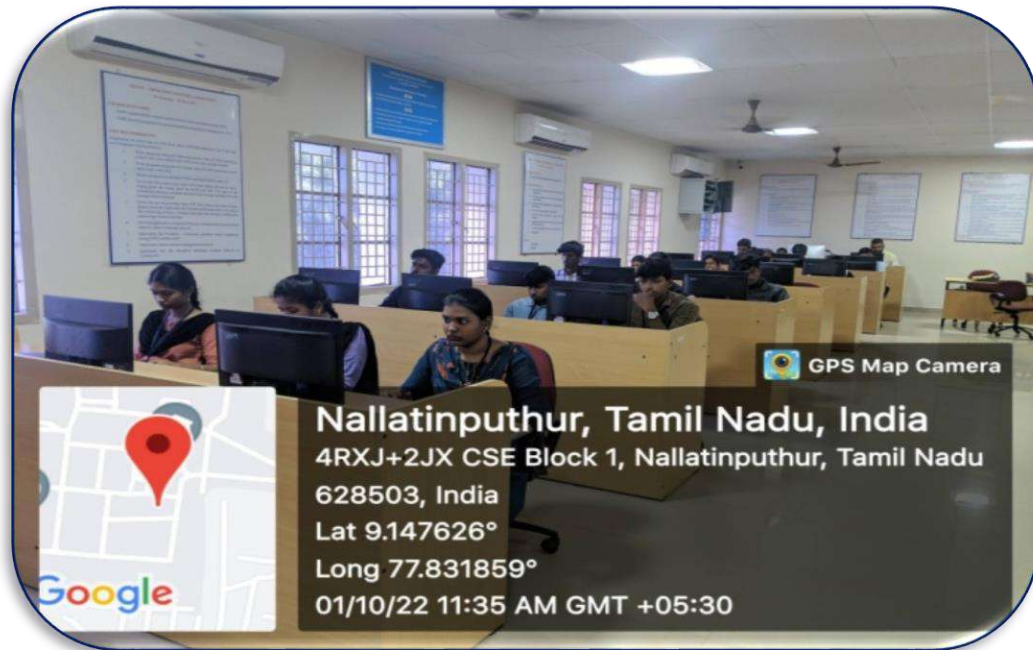
Event: "Coding Contest – CODEATHON" on 1st of October, 2022 for III year students

IT ASSOCIATION INAUGURAL FUNCTION:

Event: IT Association Inaugural function-The chief guest of the day- our alumni **Mr.S.SudalaiMuthu,** Principal Consultant, Software AG Bangalore Technologies Pvt ltd, Chennai and other IT Association members on 03-09-2022.

Event: "Make coding Fun". Resource person **Dr.K.GSrinivasagan, Prof & Head/IT**addressing the students on 10.09.2022

Event: 75th Independence day celebration - Students participating in "Patriotic Singing", on 12-08-2022

FOUNDERS DAY CELEBRATION

Event: Founders Day Celebration: **Paper Presentation contest** is allocated on the theme **Virtual Reality & Augmented Reality, 5G Wireless Technologies, on**17.09.2021