NATIONAL ENGINEERING COLLEGE

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

K.R.NAGAR, KOVILPATTI-628 503

Estd : 1984

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

JUNE 2022-SEPTEMBER 2022

NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution Affiliated to Anna University,Chennai)

K.R.NAGAR, KOVILPATTI – 628 503

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION

- ❖ To produce globally competent, innovative and socially responsible computing professionals

MISSION

- ❖ To provide world-class teaching-learning and research facilities.
- ❖ To stimulate students' logical thinking, creativity, and communication skills effectively.
- ❖ To cultivate awareness about emerging trends through self-initiative.
- ❖ To instill a sense of societal and ethical responsibilities.
- ❖ To collaborate with industries and government organizations.

PROGRAMME SPECIFIC OUTCOME (PSOs)

- ❖ To promote an innovation ecosystem for implementing products and services.
- ❖ To develop entrepreneurial skills for supporting modern and challenging community needs.

PREFACE

Dear All,

    We are delighted to host our Newsletter on a Quarterly basis for highlighting the achievements of our faculty members and budding Computing Engineers. Students participating in various events such as Campus Drives, Hackathons, Coding Contests, Journal Publications and Internships are timely gathered and enlightening and motivating others to perform well. Also, it brings highlights about faculty publications in SCI and Scopus, Industry-Know-How, FDPs (attended/ organized) as well as awards achieved to gear them towards their area of specializations.

    I congratulate the Editorial team for their sincere effort on bringing this fruitful outcome in a smoother way.

Dr.V.GOMATHI, M.Tech., PhD.,
Professor & Head
Department of Computer Science and Engineering
**National Engineering College, Kovilpatti**

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I DEPARTMENT ACTIVITIES

"Education is not preparation for life; education is life itself"

– John Dewey

1.1 EVENTS ORGANIZED

➢ **A TWO-DAY national level technical symposium "COMPONEC'22"** organized by the Department of Computer Science and Engineering at National Engineering College on 13.06.2022 and 14.06.2022. Over 230 students from different parts of the country participated.

➢ On the second day(14.06.2022), **workshop on Augmented and Virtual Reality** was held for the student participants. Students presented their research papers on various topics. Also various technical events were held for the students. Mr.G.Ulaganathan, Managing Director of Integrated Projects Consulting Services and an alumnus of the college, presided over as chief guest.
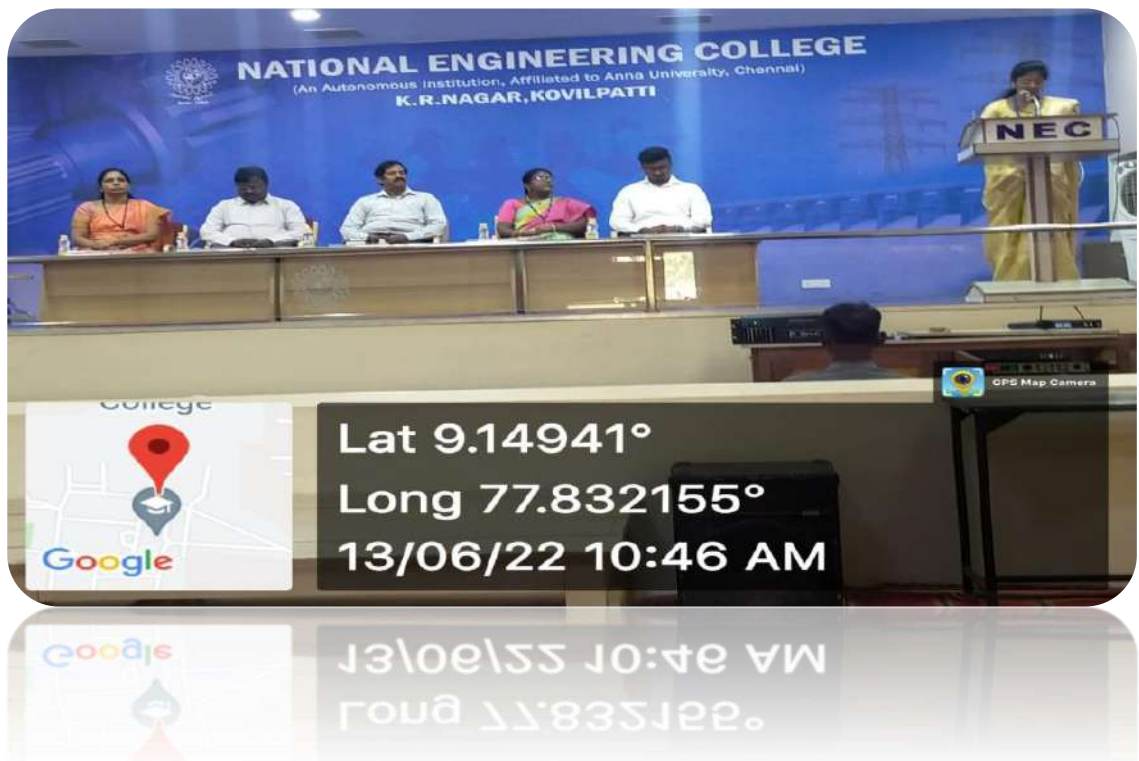
➢ **INDEPENDENCE DAY CELEBRATION**

75th Independence Day celebrations of our department are organized by CSE Association and the following events are conducted.

- Best Profiling
- Idea Pitching
- Mini Codeathon
- Gallery of Arts
- GK Quiz
- Elocution

➢ **CSEA INAUGURATION**

The inaugural function for CSE Association (2022-23) is held on 27.08.2022. the chief guest **Mr.Manikanda Raman Viswanathan**, Director, Digital Modernization Leader |Global Delivery Lead & Chief Architect, Cognizant Technology Solutions, Chennai delivered the inaugural address.

➤ **FOUNDERS DAY CELEBRATION**

On behalf of Founders Day celebration (17.09.2021), Computer Science, IT & Youth welfare Association conducted few events for the welfare for the students. The list of events are as follows.

- Speech Craft
- Devil's Advocate
- Thought Show
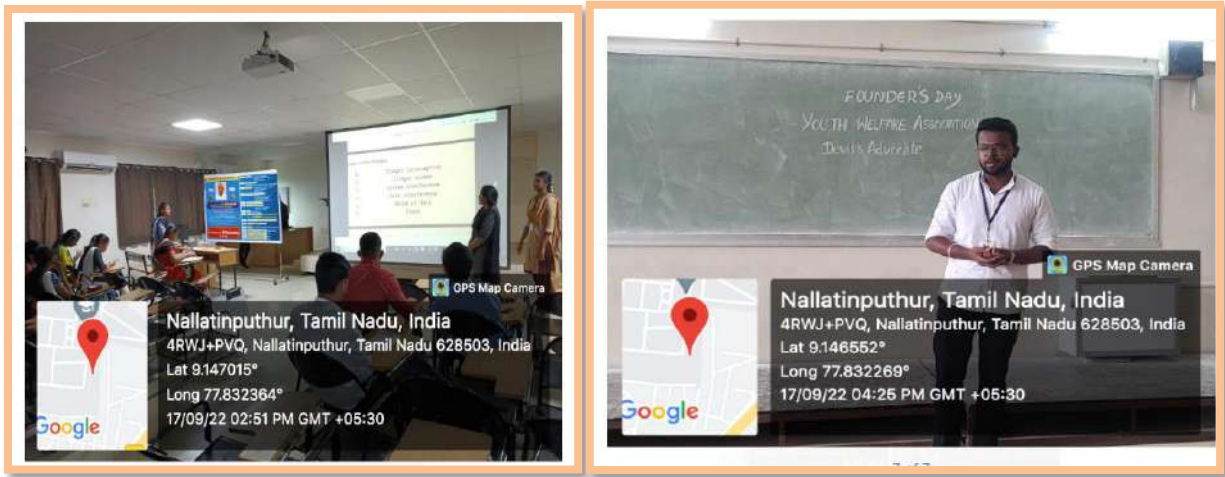
➤ **The 38ᵗʰ ANNUAL DAY** of our college is celebrated on 02.07.2022.

✚ For the Academic year 2019-20, Ms.J.Janofer Ibrahima(1612040), B.E.CSE was adjudged as the best outgoing student.

For the Academic year 2020-21, Mr. N.V. Anton Francis Jeejo(1712011), B.E.CSE was adjudged as the best outgoing student.

The certificate and medals for class Rank holders of the Academic years 2018-19, 2019-20 &2020-21 are distributed. The list is shown below:

S. No.	Year	Rank	Name of the Student
Academic Year 2020-2021			
1.		I Rank	Shenbaga Abirami.B
2.	IV Year	II Rank	Sankareeswari.M
3.		III Rank	Santhosa Lakshmi.N
4.		I Rank	Mohamed Rilwan Hussain M
5.	III Year	II Rank	Nandhini S
6.		III Rank	Yaleni.S
7.		I Rank	Janapreethi S
8.	II Year	II Rank	Tirugnanam M
9.		III Rank	Bhuvaneswari.M
10.		I Rank	Thaila Shree S
11.	I Year	II Rank	Swetha.K
12.		III Rank	Soundaryaa.S
Academic Year 2019-2020			
13.		I Rank	Bhuvaneswari.M
14.	IV Year	II Rank	Keerthana.S
15.		III Rank	Al Sameema.A
16.		I Rank	Shenbaga Abirami B
17.	III Year	II Rank	Priyanga.S
18.		III Rank	Silpa Sankar
19.		I Rank	Yaleni.S
20.	II Year	II Rank	Amirtha Lakshmi.S
21.		III Rank	Mohamed Rilwan Hussain M
22.		I Rank	Vijaya Priyanka.S
23.	I Year	II Rank	Sarulatha.M
24.		III Rank	Bhuvaneswari.M

Academic Year 2018-2019			
25.	IV Year	I Rank	Subha.T
26.		II Rank	Sudalai Vadivoo.P
27.		III Rank	Haripriya.K
28.	III Year	I Rank	Keerthana S
29.		II Rank	Bhuvaneswari.M
30.		III Rank	Pitchammal Priya S
31.	II Year	I Rank	Shenbaga Abirami B
32.		II Rank	Sankareeswari M
33.		III Rank	Santhosa Lakshmi
34.		III Rank	Ponselvi.P
35.	I Year	I Rank	Alwin Nizhanth S
36.		II Rank	Mohamed Rilwan Hussain M
37.		III Rank	Yogalakshmi S

➢ **BOARD OF STUDIES Meeting**

17th Board of Studies meeting was held on **09.07.2022** at CSE seminar hall.

List of External members

1. **Dr. K.S.Easwarakumar**
   Professor, Dept. of Computer Science and Engineering
   Anna University, Chennai.

2. **Dr. C.Krishna Mohan**
   Professor, Dept. of Computer Science and Engineering,
   Indian Institute of Technology Hyderabad**.**

3. **Dr. C. Mala**
   Professor, Dept. of Computer Science and Engineering,
   National Institute of Technology, Trichy.

4. **Dr. G.R.Karpagam**
   Professor, Dept. of Computer Science and Engineering,
   PSG College of Technology, Coimbatore**.**

5. **Mr.Roy Antony Arnold**
   Lead - Education and Research, Infosys. Pvt Ltd., Chennai.

6. **Mr.Srinivasan Rajendren**
   Service Delivery Manager, TCS, Chennai.

7. **Mr.D.Siddharthan**
   Delivery Manager, Wipro Ltd., Chennai.
8. **Ms.G.Maria Justin Mary**
   Lead S/W Engineer, Lowe's India, Bangaluru.

9. **Mr. V. Manikanda Raman**
   Director, CTS, Chennai.

➢ The opening ceremony of **Image processing Research centre laboratory** is held on **26.09.2022**. This laboratory facilities are very helpful to the researchers both students and faculty members to carry out their work in a better way.
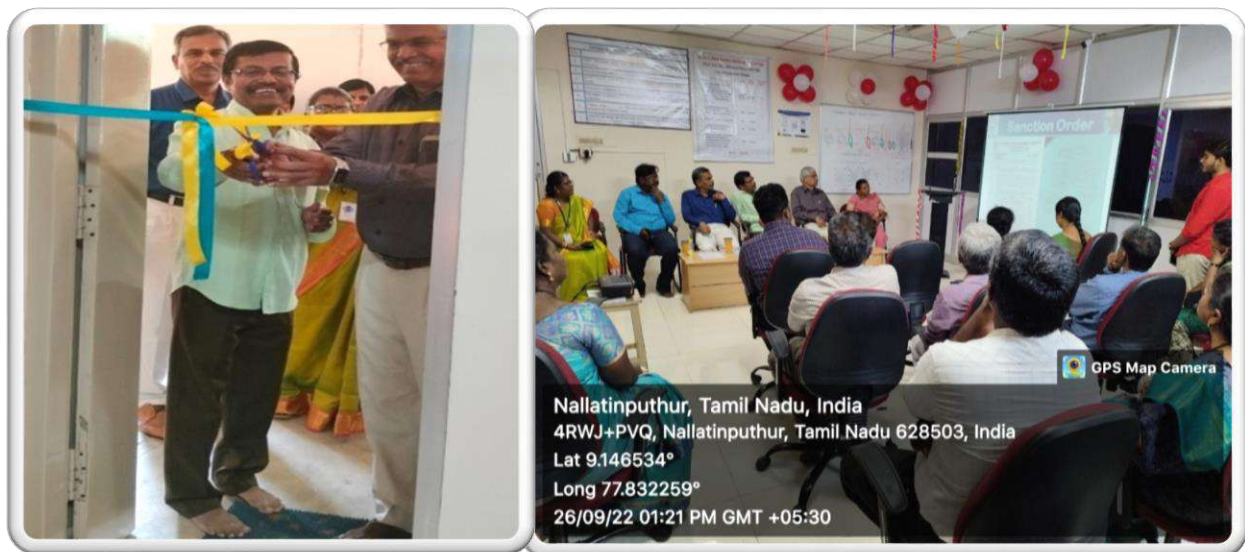
II STUDENT ACHIEVEMENTS

"A Little Progress Each Day Adds up to Big Results"

- SATYA NANI

2.1 Placement Details

Sl.No	Reg.No	Name of the Student	Name of the Company	Job Role	Salary (LPA)
1	1912018	NITHYA .G	Vlinder Labs Pvt Ltd,Bangalore	Associate Software Engineer	8
2	1912070	KARTHIRAM A	Vlinder Labs Pvt Ltd,Bangalore	Associate Software Engineer	10
3	1912086	PETCHIAMMAL .S	Vlinder Labs Pvt Ltd,Bangalore	Associate Software Engineer	8
4	1912110	SRI CHARAN B J	Vlinder Labs Pvt Ltd,Bangalore	Associate Software Engineer	10
5	1912005	BHUVANESWARI.M	Mistral,Bangalore	Embedded Design Engineer-s/w Design	5
6	1912065	JISHNU J	Mistral,Bangalore	Embedded Design Engineer- s/w Design	5
7	1912084	NAVEEN KUMAR.P	Mistral,Bangalore	Embedded Design Engineer- s/w Design	5
8	1912116	UDAYA KUMAR K	Mistral,Bangalore	Embedded Design Engineer- s/w Design	5
9	1912013	KANTHIMATHI.I	Brimma Tech, Chennai	Engineering Partner	5
10	1912021	RAGUL T N	Brimma Tech, Chennai	Engineering Partner	5
11	1912096	ROSHINI .S	Brimma Tech, Chennai	Engineering Partner	5
12	1912017	NARAIN C A	NCompass,Chennai	Software Developer	6.5
13	1912077	MADHAN C	NCompass,Chennai	Software Developer	6.5
14	1912032	TIRUGNANAM .M	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	7
15	1912053	ARSHAD PARVEZ K A M	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	8.4
16	1912054	ARUNA RAMALAKSHMI P	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	7
17	1912057	GOKUL KARTHICK P	Cognizant,Chennai	Programmer Analyst Trainee	4
18	1912060	HAQEEM ALAM S M	Zoho Corporation Pvt Ltd,Chennai	Software Debug Engineer	5.6
19	1912061	JANAPREETHI S	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	7

20	1912062	JANAPRIYA S	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	8.4
21	1912066	KABILAN S	Cognizant,Chennai	Programmer Analyst Trainee	4
22	1912033	VAIDYANATHAN K	Intersect Innovations Pvt Ltd	Digital Trainee-AI Platforms	4
23	1912087	PONRAJ.B	Cognizant,Chennai	Programmer Analyst Trainee	4
24	1912090	PRIYADHARSHINI.G	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	7
25	1912092	RAHUL ASWIN .R	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	8.4
26	1912100	SARULATHA .M	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	7
27	1912106	SIVA DHARSHINI G	Cognizant, Chennai	Programmer Analyst Trainee	4
28	1912113	SUBASH A	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	8.4
29	1912114	SURYA PERUMAL K	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	8.4
30	1912055	DHANARAJAN.G	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	5.6
31	1912067	KARTHICK B	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	5.6
32	1912115	THAHIR IBRAHIM S	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	5.6
33	1912121	VIMAL KUMAR B	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	7
34	1912025	SERENA SOFRANICA .P	NMS	Quality Analyst	3
35	1912028	SIVAPRAKASH. M	ThinkSquare Technologies Pvt. Ltd, Bangalore	Java Developer	3
36	1912056	FRANCIS SELVARAJ PANDIAN R	Vuram	Developer	4.5
37	1912078	MARY SHIPANI J	Vuram	Developer	4.5
38	1912120	VIJAYA PRIYANKA A	Zoho Corporation Pvt Ltd,Chennai	Member Technical Staff	7
39	1912064	JESURAJ J	Data Patterns (India) Ltd, Chennai	Project Trainee	4.2
40	1912069	KARTHICKSARAN K	Data Patterns (India) Ltd, Chennai	Project Trainee	4.2
41	1912035	VENKATESH S	Data Patterns (India) Ltd, Chennai	Project Trainee	4.2
42	1912099	SANTHOSH RAJ.K	Data Patterns (India) Ltd, Chennai	Project Trainee	4.2
43	1912094	RAM KUMAR .M	Data Patterns (India) Ltd, Chennai	Project Trainee	4.2
44	1912101	SELVA KUMARI .V	Finzly	-	5 to 6

45	1912052	AMBIGESWARI R	Finzly	-	5 to 6
46	1912083	NAGUL.V	Finzly	-	5 to 6
47	1912072	KEERTHANA DEVI E	Finzly	-	5 to 6
48	1912003	ANSHIO S V	Ramco Systems	Analyst Programmer in Grade3	4
49	1912029	SIVASANKAR. S	Ramco Systems	Analyst Programmer in Grade3	4
50	1912030	SUJI .S	Ramco Systems	Analyst Programmer in Grade3	4
51	1912031	SWETHA.S	Ramco Systems	Analyst Programmer in Grade3	4
52	1912059	GURU GAYATHRI V	Ramco Systems	Analyst Programmer in Grade3	4
53	1912040	VASANTH.R	Ramco Systems	Analyst Programmer in Grade3	4
54	1912041	KALEESWARAN.M	Ramco Systems	Analyst Programmer in Grade3	4
55	1912075	LAVANYA A M	Ramco Systems	Analyst Programmer in Grade3	4
56	1912103	SHENBAGARAMAN S	Ramco Systems	Analyst Programmer in Grade3	4
57	1912104	SHIVAGANESH PANDIAN	Ramco Systems	Analyst Programmer in Grade3	4
58	1912108	SOBIAH M	Ramco Systems,	Analyst Programmer in Grade3	4
59	1912007	DHARUN V S	CTS Genc	Programmer Analyst	4
60	1912020	PREETHI.R	CTS Genc	Programmer Analyst	4
61	1912048	AKSHAYA S	CTS Genc	Programmer Analyst	4
62	1912082	MUTHUSELVI.A	CTS Genc	Programmer Analyst	4
63	1912011	JOSHUA ISAAC RAJ	Centizen Inc,Tirunelveli	Software Engineer	4 to 8
64	2E+06	SIVANISREE.R	Centizen Inc,Tirunelveli	Software Engineer	4 to 8
65	1912051	ALHASEENA K.M	Centizen Inc,Tirunelveli	Software Engineer	4 to 8
66	1912403	MATHAN BABU M	Centizen Inc,Tirunelveli	Software Engineer	4 to 8
67	1912122	KALAISELVI P	Centizen Inc,Tirunelveli	Software Engineer	4 to 8
68	1912112	STANLY THANGAMANI P	Centizen Inc,Tirunelveli	Software Engineer	4 to 8
69	1912058	GOKULAKRISHNAN M	Vlinder	Associate Software Engineer	7
70	1912006	DHANYA LAXMI.S	Solartis,Madurai	-	3.6 to 4.5
71	1912014	KARTHIKEYAN.I	Solartis,Madurai	-	3.6 to 4.5
72	1912023	RAMKUMAR .M	Solartis,Madurai	-	3.6 to 4.5

					3.6 to
73	1912095	ROHITH KUMAR .S	Solartis,Madurai	-	4.5
74	1912012	KAMALESH K	CTS Genc	Programmer Analyst	4
75	1912063	JESU PANADIAN J	CTS Genc Elevate	Programmer Analyst	4.25
76	1912111	SRIRAM J	Hexaware Technology	Graduate Engineer Trainee	4
77	1912010	JAYANTH.S	Capgemini Technology	Software Engineer	4.25
78	1912024	SARAVANA SANJAY.M	Capgemini Technology	Software Engineer	5.75
79	1912080	MONICA A	Capgemini Technology	Software Engineer	4.25
80	1912402	JOYSON J	Capgemini Technology	Software Engineer	4.25
81	1912085	NITHYA .V	Capgemini Technology	Software Engineer	4.25
82	1912117	VETTRIRAAM A	Capgemini Technology	Software Engineer	4.25
83	1912119	VIGNESH SHANKAR K	Capgemini Technology	Software Engineer	4.25
84	1912109	SREEJA N U	Capgemini Technology	Software Engineer	4.25
85	1912091	RAGUL.K.K	Hexaware Technology	Graduate Engineer Trainee	4
86	1912019	PRASANNA KUMAR.A	Tringapps research labs Pvt. Ltd	Software Trainee	3

We congratulate all the students for their career achievements. Also we appreciate the students who received the offers with higher package of 10 lakhs.

2.2 Internship Details

| S.No	Reg.No	Name of the Student	Name of the Company	Internship Stipend
1.	1912018	NITHYA .G	Vlinder Labs Pvt Ltd,Bangalore	15K
2.	1912070	KARTHIRAM A	Vlinder Labs Pvt Ltd,Bangalore	15K
3.	1912086	PETCHIAMMAL .S	Vlinder Labs Pvt Ltd,Bangalore	15K
4.	1912110	SRI CHARAN B J	Vlinder Labs Pvt Ltd,Bangalore	15K
5.	1912005	BHUVANESWARI.M	Zoho intern-PT	NIL
6.	1912065	JISHNU J	Mistral,Bangalore	NIL
7.	1912084	NAVEEN KUMAR.P	Mistral,Bangalore	NIL
8.	1912013	KANTHIMATHI.I	Brimma Tech, Chennai	NIL
9.	1912021	RAGUL T N	Brimma Tech, Chennai	NIL
10.	1912096	ROSHINI .S	Brimma Tech, Chennai	NIL
11.	1912017	NARAIN C A	NCompass,Chennai	15K
12.	1912077	MADHAN C	NCompass,Chennai	15K
13.	1912032	TIRUGNANAM .M	Zoho Corporation Pvt Ltd,Chennai	20K
14.	1912053	ARSHAD PARVEZ K A M	Zoho Corporation Pvt Ltd,Chennai	20K
15.	1912054	ARUNA RAMALAKSHMI P	Zoho Corporation Pvt Ltd,Chennai	20K
16.	1912060	HAQEEM ALAM S M	Zoho Corporation Pvt Ltd,Chennai	20K
17.	1912061	JANAPREETHI S	Zoho Corporation Pvt Ltd,Chennai	20K
18.	1912062	JANAPRIYA S	Zoho Corporation Pvt Ltd,Chennai	20K
19.	1912033	VAIDYANATHAN K	Intersect Innovations Pvt Ltd	NIL
20.	1912090	PRIYADHARSHINI.G	Zoho Corporation Pvt Ltd,Chennai	20K
21.	1912092	RAHUL ASWIN .R	Zoho Corporation Pvt Ltd,Chennai	20K
22.	1912100	SARULATHA .M	Zoho Corporation Pvt Ltd,Chennai	20K
23.	1912106	SIVA DHARSHINI G	Cognizant,Chennai	NIL
24.	1912113	SUBASH A	Zoho Corporation Pvt Ltd,Chennai	20K

25.	1912114	SURYA PERUMAL K	Zoho Corporation Pvt Ltd,Chennai	20K
26.	1912055	DHANARAJAN.G	Zoho Corporation Pvt Ltd,Chennai	20K
27.	1912067	KARTHICK B	Zoho Corporation Pvt Ltd,Chennai	20K
28.	1912115	THAHIR IBRAHIM S	Zoho Corporation Pvt Ltd,Chennai	20K
29.	1912121	VIMAL KUMAR B	Zoho Corporation Pvt Ltd,Chennai	20K
30.	1912025	SERENA SOFRANICA .P	NMS	10K
31.	1912056	FRANCIS SELVARAJ PANDIAN R	Vuram	6month-5K 6month-10K
32.	1912120	VIJAYA PRIYANKA A	Zoho Corporation Pvt Ltd,Chennai	20K
33.	1912064	JESURAJ J	Data Patterns (India) Ltd, Chennai	NIL
34.	1912069	KARTHICKSARAN K	Data Patterns (India) Ltd, Chennai	NIL
35.	1912035	VENKATESH S	Data Patterns (India) Ltd, Chennai	NIL
36.	1912099	SANTHOSH RAJ.K	Data Patterns (India) Ltd, Chennai	NIL
37.	1912094	RAM KUMAR .M	Data Patterns (India) Ltd, Chennai	NIL
38.	1912101	SELVA KUMARI .V	Finzly	NIL
39.	1912052	AMBIGESWARI R	Finzly	NIL
40.	1912083	NAGUL.V	Finzly	NIL
41.	1912072	KEERTHANA DEVI E	Finzly	NIL
42.	1912108	SOBIAH M	Hexaware Technology	Graduate Engineer Trainee
43.	1912020	PREETHI.R	CTS Genc	6month-5K 6month-10K
44.	1912051	ALHASEENA K.M	Centizen Inc,Tirunelveli	6month-5K 6month-10K

2.3 Extracurricular/Cocurricular Achievements

➢ Third year CSE students actively participated in the contest, "**Google Kickstart**" and proved their coding skill by scoring good ranks. The students detail is shown below.

➢ A team of six 3rd year CSE and faculty mentor Dr.G.Sivakamasundari, AP(SG)/CSE have participated as finalist for **SIH-2022 Hackathon** at Assam on the project entitled, "**Deep Learning based Cyclone Intensity estimation using INSAT-3D IR imagery"** during August 2022.
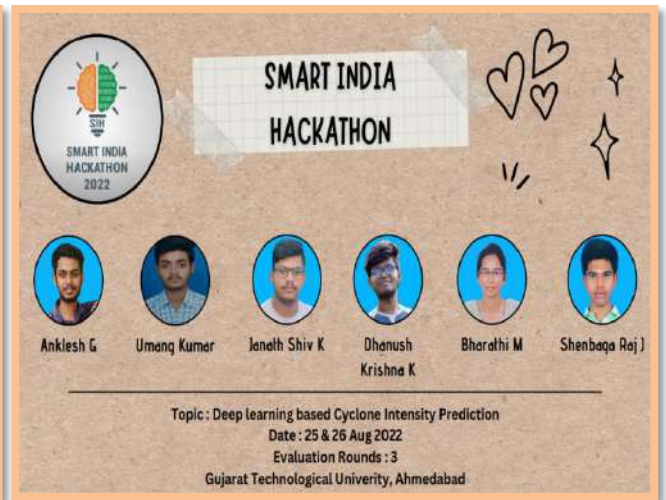
- **Keerthikasri.G**, III CSE recognized as Alpha member, Microsoft Learn Students Anmbassador-2022 by the Microsoft team.

- **Esakki Ram.R and Venu Vignesh.T** , III CSE participated in the semi finals of the contest, "The Inventors Challenge" organized by AICTE, ATAL Academy, Arm Education and STMicroelectronics from August 2022 to November 2022.

- Eleven students from III CSE participated the Project Expo **"IIITB-ISRO-AICTE MAPATHON",** and presented their ideas.

➤ Four teams of our students from III CSE participated in **IEEE XTREME** Programming competition and bagged notable global ranks

➤ **Keerthikasri.G, Hari Ram.S, Thejaswini.A, Prithivi Shakthi.B,** from **III CSE** participated in RYLA conducted by Rotary club of Virudhunagar during 16-09-2022 to 18-09-2022 and received "Emerging Entrepreneurs Award Winner". The students participated in various events and received appreciation certificates for the following events:

- Business Video
- Brand Poster
- Business Chart
- Entrepreneurial Knowledge Test

➢ Paper presentation and prize winners from II CSE and III CSE details are given below.

Karthick R   Balaji T
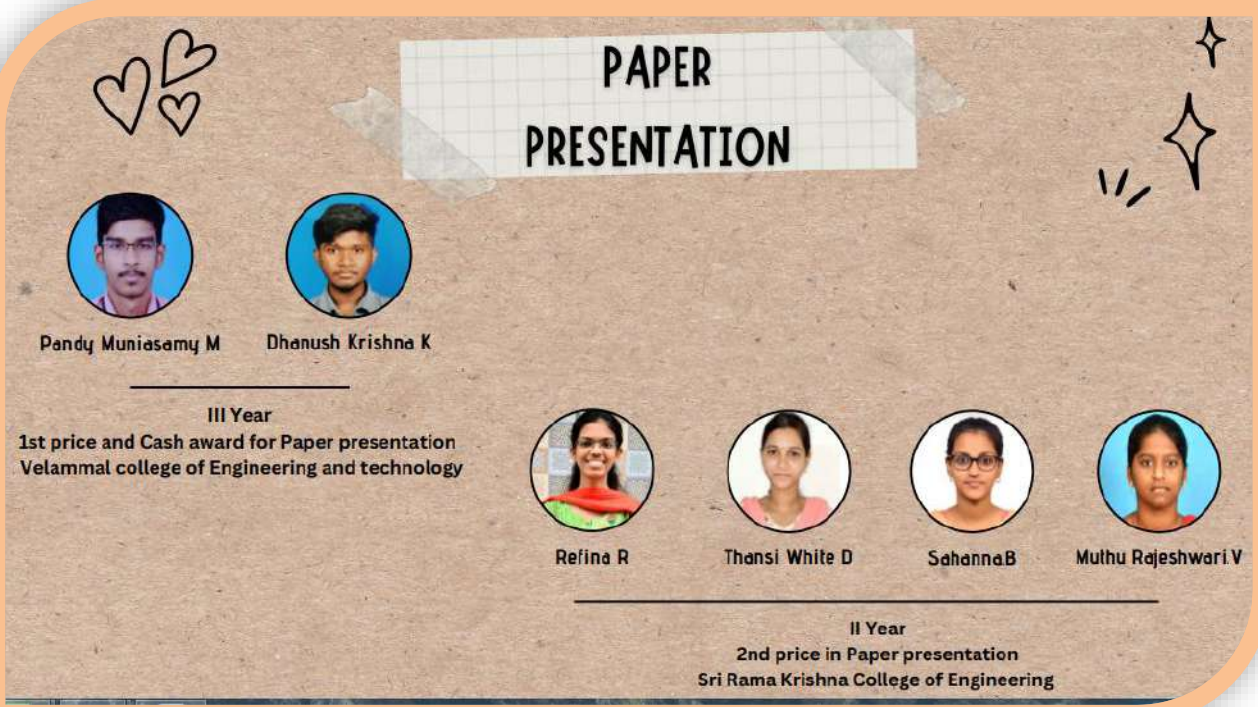
II Year
Connectivity 2nd Price
Paper Presentation 1st Price
with cash price of Rs. 1000
Paavai Engineering College

C.GOPAALAKRISNAN   PK.ASHWIN KANTH   G.THIRUNAVUARASU

II Year
1st Price
Paper Presentation
Sri Ramakrishna Engineering College

PAPER PRESENTATION

Pandy Muniasamy M   Dhanush Krishna K

III Year
1st price and Cash award for Paper presentation
Velammal college of Engineering and technology

Refina R   Thansi White D   SahannaB   Muthu Rajeshwari V

II Year
2nd price in Paper presentation
Sri Rama Krishna College of Engineering

2.4 Project/Product Development

➢ Institution of Engineers (IE), Kolkatta sponsored funded project entitled on "Smart Staircase Cleaning and Mopping Robot" under R&D Grant-in-aid scheme with a total cost of Rs.30,000/- (2022) for Mr.K.Surya Perumal and Mr.S.Thahir Ibrahim of IV CSE under the guidance of Dr.K.Mohaideen Pitchai, Prof./CSE and Dr.S.Dheenathayalan, AP(SG)/CSE.

➢ The following projects were sanctioned by NEWGEN IEDC, Ahamadabad for the academic year 2022-23.

Sl.No.	Name of the students	Name of the Mentors	Title of the Project	Amount Sanctioned
1.	Pandi Muniasamy M Sundaram S Heena Fathima Suja G (III CSE)	Dr.J.Naskath ,AP(SG)/CSE Ms.B.Shunmugapriya, AP(SG)/CSE	Smart Bicycle	2.5L
2.	Dhanush Krishna K Shunmuga Nathan K Vigneshwaran J	Dr.J.Naskath ,AP(SG)/CSE Dr.S.Iyaharaja ,Prof/MECH	Fowler COT for bed bound patients	2.5L
3.	S.Madhusudhanan, (III Mech.), V.Pradeep Kumar,(III Mech)., P.Jeyaram, M.Hariram (III CSE)	Dr.D.Venkat Kumar, Prof./Mech, Dr.K.Mohaideen Pitchai, Prof./CSE, Dr.S.Dheenathayalan, AP(SG)/CSE	Smart Baby Cradle using IoT	2.5L
4.	M.Muthu Nithish (III Mech) S.Leyo Jaffrin Clington S.Aswin (III CSE)	Dr.M.Vivekanandan, Adjunct Faculty/MECH Mr.J.Karthikeyan, AP/CSE	Implementation of Augmented Reality and Virtual Reality in Mechanical Engineering Design	2.5L
5.	A.Santhosh Pandian K.Muthukumar (III CSE)	Mr.K.Pradeepraj, AP/Mech Mr.J.Karthikeyan, AP/CSE	6 - Axis Mini Robot Arm for Education	2.5L

2.5 Intra College/Department Achievements

Sl.No.	Name & Reg.No	Year & Dept	Name of the Event	Prize
1.	Kirthana.S Sahana.S Lalitha.S	II Year CSE	Thought Show	I
2.	Umang Kumar Janath Shiv.K.S Shenbaga raj.S	III Year CSE	Thought Show	II
3.	Narain.C.A	IV Year CSE	Devil's Advocate	III
4.	Keerthikasri.G	III Year CSE	Best Profiling	I
5.	Nisha B	III Year CSE	Best Profiling	II
6.	Ponraj.R	IV Year CSE	Gallery of Arts	I
7.	Ramasubramanian.R.M	III Year CSE	Gallery of Arts	II
8.	Thahila Shree S	III Year CSE	Mini Codeathon	I
9.	Hariram M	III Year CSE	Mini Codeathon	II
10.	B.Jeyarajanandhini	III Year CSE	GK Quiz	I
11.	S.Santhiya Devi	III Year CSE	GK Quiz	II
12.	Vimal Kumar.B	IV Year CSE	Idea Pitcing	I
13.	Ragul.T.N	IV Year CSE	Idea Pitcing	II
14.	Soundaryaa	III Year CSE	Elocution	I
15.	Nisha.B	III Year CSE	Elocution	II

III FACULTY ACHIEVEMENT

*"A good teacher is like a candle—it consumes itself to light the way for others"*

– Mustafa Kemal Ataturk

3.1 Higher Degree Achievement

Sl.No.	Name of the Faculty	Designation	Degree	Date of Award
1.	Dr.R.Rajakumari	AP(SG)	Ph.D	22.07.2022
2.	Dr.S.Dheenathayalan	AP(SG)	Ph.D	28.07.2022
3.	Dr.G.R.Hemalakshmi	AP(SG)	Ph.D	05.09.2022

3.2 Appreciation/Recognition

➤ **Dr.K.Mohaideen Pitchai**, Prof./CSE has been recognized as research supervisor under Anna University Chennai.

➤ **Dr.J.Naskath**, acted as Editor for the book, "Recent Trends in Multidisciplinary Subjects, Volume – 3", Red shine publications, July 2022.

➤ **Mr.S.Rajeshkumar**, AP/CSE recognized as "ZOHO certified Trainer" and received cash award as a token of appreciation (Rs.25000/-) from ZOHO Corporation, Tenkasi.
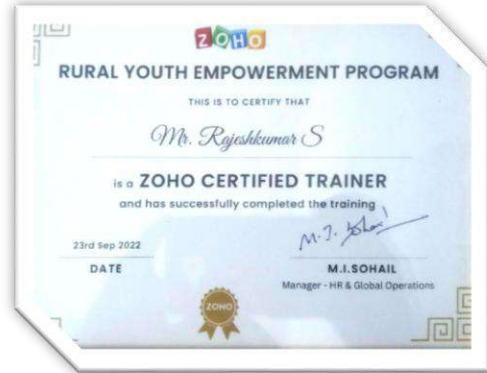
3.3 Research Publications

3.3.1 Inernational Journal publications

- MS Gowtham, **A Shenbagharaman, B Shunmugapriya**, "A Critical Review Analysis of the Opportunities and Potential of Implementing Cloud Computing System for Large Scale Ad Hoc Network", IEEE XPLORE, page no: 103-106, July2022(SCOPUS)

- Dr. A. Alif Siddiqua Begum , **Dr.R.Rajakumari, Dr.J.Naskath**, "Deep Learning Based Clinical Images and Electrocardiogram: A Survey", Recent Trends in Multidisciplinary Subjects, Volume – 3, page no: 160-167, July 2022 (BOOK CHAPTER)

- **Dr.G.Sivakamasundari, Ms.B.Shunmugapriya, Mr.A.Shenbagharaman, Mr.K.Rajkumar**, "Identifying the Optimal Location to Set up an Emergency Room Using Machine Learning Algorithms", Periodico Di Mineralogia, vol.91,no.4, Aug2022.(SCI)

- **Dr.J.Naskath**, Dr.Nithyanantham Sampathkumar, M.Pappathi Jancy Rani, "Design Secure Connectivity Protocol to mitigate malicious activity using Game Theory in VANE", Periodico Di Mineralogia, vol.91,no.5,page no:58-79, Sep2022.(SCI)

- MS Gowtham, S Gopinath, **A Shenbagharaman**, "Investigation on thermal energy aware routing in integrated network for efficient energy storage", Materials Today:Elsevier, vol.66,no.3,page no: 1168-1174, Sep2022(SCOPUS)

3.3.2 Inernational Journal publications

- MS Gowtham, **A Shenbagharaman, B Shunmugapriya**, presented a paper titled, "A Critical Review Analysis of the Opportunities and Potential of Implementing Cloud Computing System for Large Scale Ad Hoc Network", in the IEEE International conference, July2022.

3.4 Resource Person/Expert Lecture

- **Dr.J.Naskath**, AP(SG)/CSE, acted as Jury of the finals for the event National Digital Education Architecture (NDEAR), Department of School Education & Literacy (DoSEL) Organized SIH 2022 held at PSR Engineering College, Sivakasi during 25th and 26th August 2022.


- **Dr.V.Gomathi**, Professor &Head/CSE delivered a guest lecture on "Outcome based Education: An Assessment" at Sri. S.Ramasamy Naidu Memorial College, Sattur on 02.09.2022.

> **Mr.J.Karthikeyan**, AP/CSE acted as a resource person for the one day workshop on "Augmented Reality for Mobile Application Development", held on 3.09.2022 organized by Thiagarajar College of Engineering, Madurai.

> **Dr.V.Gomathi**, Professor &Head/CSE delivered a lecture titled, "Role of Teachers as envisaged in National Educational Policy 2020", on behalf of Teachers day organized by ISTE Staff Chapter, held on 07.09.2022 at CSE Seminar hall, National Engineering College, Kovilpatti.
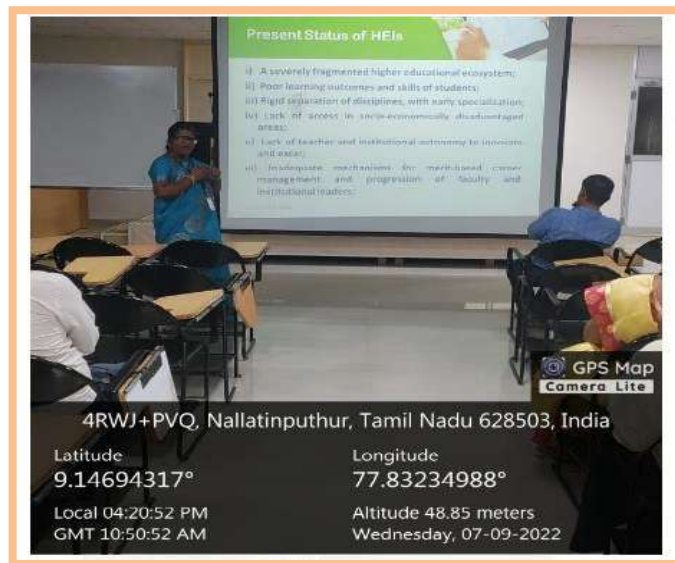
- **Mr.J.Karthikeyan**, AP/CSE acted as a resource person for the one day seminar on "Augmented Reality & Virtual Reality", held on 17.09.2022 organized by IEEE Computer Society at National Engineering College, Kovilpatti.
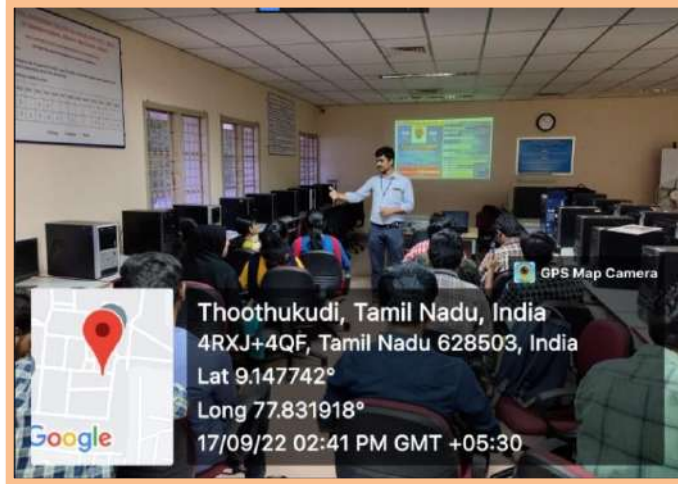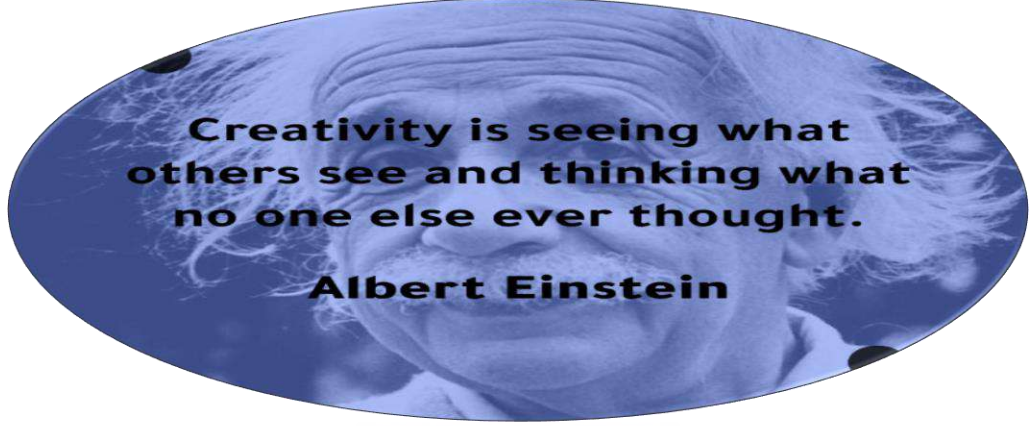

3.5 FDP/Seminar/Industry Know How Attended Details

Sl.No.	Name of the Faculty	Nature of the Program	Title	Organized by	Date
1.	Ms.B.Shunmugapriya	Industry Know How	Designing and Modelling of IoT, AI & ML Systems	AICTE, STMicroelectronics Arm, Microsoft	01.08.2022 to 05.08.2022
2.	Dr.J.Naskath	Industry Know How	Designing and Modelling of IoT, AI & ML Systems	AICTE, STMicroelectronics Arm, Microsoft	01.08.2022 to 05.08.2022
3.	Dr.J.Naskath	NPTEL FDP	Industrial Internet of Things 4.0	IIT -Kharagpur	June 2022 – Sep' 2022

3.6 New Faculty Members List

Sl.No.	Name of the faculty	Date of Joining
1.	P.Priyadharshini	11.07.2022
2.	Ms.K.B.Mirra	16.07.2022
3.	R.Vazhan Arul Santhiya	16.07.2022
4.	Ms.R.Navedha Evanjalin	21.07.2022
5.	Ms.A.Lincy	16.08.2022
6.	Dr.J.Ida Christy	25.08.2022

Creativity Corner

> Creativity is seeing what others see and thinking what no one else ever thought.
>
> **Albert Einstein**

கவிதைச்சோலை...

இன்று...

வளரும் தொழில்நுட்பம்
நாற்றிசையும் புகை
கடலென மாணவர்கள்
துளியென வாய்ப்புகள்
சுழலும் கடிகாரத்தின் பிடியிலே
சிக்கிக்கொண்டோம்
"நவீன மனிதர்களாய்"

- Nisha B
III CSE
2012056

வாழ்க்கை

இரக்கம் தேடிய பயணமோ
ஈரம் இழந்த நெஞ்சங்களில்

- Nisha B
III CSE
2012056

பள்ளிப்பருவம்

உள்ளம் விரும்பும்வரை - அல்ல உயிர்
மடியும் வரை
தொடரவேண்டும் இப்பயணம்
என் நிழலாக நீ
உன் நிஜமாக நான்!
அன்பின் மொழியில்
உறவாடிய நாட்கள்!!
என வலிக்கு
நீ அழுத தருணங்கள்
மீண்டும் எப்போது ?
ஏக்கத்துடன் நான் !!
கண்ணீருடன் நீ!!

நாட்கள் கடந்தது!
பாசமோ ஓங்கியது!
சோகமெல்லாம் மௌனமாக கண்களில் கண்ணீர்
மழையாக! பிரிந்து செல்லும் நேரமிது
வாழ்க்கை அமைக்கும் பயணமிது கூட்டில்
வளர்ந்த பறவைகளாக நாம்
விண்ணை நோக்கி செல்கிறோம்!!

- Nisha B
III CSE
2012056

அம்மா

உதிரம் அளித்தாய்
உடலும் அளித்தாய்
உயிரும் அளித்தாய்
வலிகள் பொறுத்தே
என்னை பெற்றெடுத்தாய்!
வேதனையிலும் என் வெற்றியிலும்
துணையிருந்தாய் - அன்று
அன்புக்காக ஏங்குகிறாய்
முதியோர் இல்லத்தில் - இன்று !

- Nisha B
III CSE
2012056

பெண்

சிசு ஆவாள்,
சினம் கொள்வாள்.
புன்னகை புரிவாள்,
மறுநொடியே வாய்விட்டு அழுவாள்.
மெல்லிய பூவாவாள்,
வெடிக்கும் பிளம்பாவாள்.
பாதரசமாய் நழுவி செல்வாள்,
நங்கூரமாய் பிடித்து நிற்பாள்.
இல்லத்தரசியும் ஆவாள்,
அகிலரசியும் ஆவாள்.
பெண்மையின் திண்மையை,
கண்மையில் அடக்குவாள்.
வாளின் கூர்மையை,
கருவிழியில் அடக்குவாள்.
மாதராய் வாழ்வாள்,
மதிகொண்டு ஆழ்வாள்......

•••• He...She...••••

Men and women
were meant to
support each other.
Like the words
SHE is explored from HE
and HE is carried by SHE...

- Ms.M.Kanthimathi, AP/CSE

தந்தையின் குமுறல்

கனவுகளோடு காத்திருந்தேன்......
கல்லூரி முடித்து
கையில் வேலையோடு
வருவாய் என்று....
கன்னியின் கை பிடித்து
கழுத்தில் மாலையோடு
வந்தாய்.... ஏற்றுக் கொண்டேன்...!
தனிக்குடித்தனம் போகிறேன்
தடுக்காதே என்றாய்...
தடை சொல்லாமல்
தணிந்து நின்றேன்...!
உன் தாயும்...
உன்னைப் பிரிந்த கவலையில்
என்னைப் பிரிந்து விட்டாள்...!
முதுமையின் பிடியில் சிக்கி
முதியோர் இல்லத்தில்
முடங்கிக் கிடக்கும்.... என்னை
அழைத்துச் செல்வாயா...மகனே
ஆறுதல் தருவாயா....!
என்னுயிர் பிரியும் முன்
உன் வீடு நான் வந்தால்
என் பேரப்பிள்ளைகளைப்
பார்த்த திருப்தியுடன்...
உன் மடியில் தலை சாய்த்து
ஆறுதலாய் சென்றிடுவேன்...
காத்திருக்கிறேன்.... உன் வருகைக்காக....!
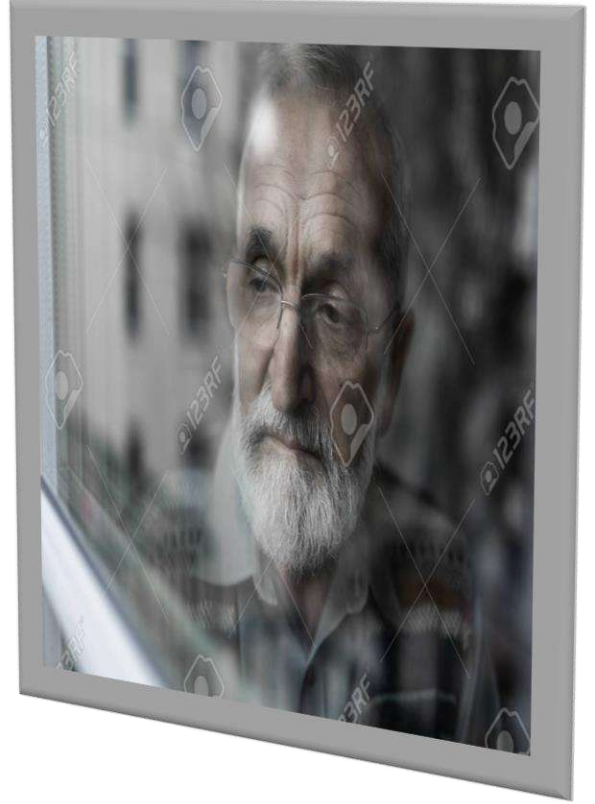
- Dr.R.Rajakumari
  AP(SG)/CSE

Respect

Respect implies taking good care of everyone and everything. The golden rule states that you should treat people how you want to be treated. You can respect your classmates, parents, and teachers in a variety of ways, including through the words you use, the way you act around them, and the way you handle your own and other people's personal property. You should also learn how to appreciate one self. There are several ways to respect others. Some of them are

- Pay attention and listen.
- Be sensitive to the feelings of others.
- Recognize others and express gratitude
- Correct mistakes politely.
- Decide according to what is right, not according to who you like
- Observe any physical restrictions.
- Respect your living environment
- To live and let live

Significance of Respect

- Respect eases anxiety
- Respect fosters cooperation and production.
- Respect increases worker satisfaction
- Respect fosters justice.

Finally, Practice our eyes to see the best in people, Practice our heart to forgive the worst, Practice our mind to forget the bad always.

Give Respect….Get Respect

- Dr.R.Rajakumari
AP(SG)/CSE

Technical Zone:

VR-Based Therapy

-Hari Ram.S

III CSE

Virtual Reality Therapy (VRT), also known as virtual reality immersion therapy (VRIT), simulation for therapy (SFT), virtual reality exposure therapy (VRET), and computerized CBT (CCBT), is the use of virtual reality technology for psychological or occupational therapy and in affecting virtual rehabilitation.

Patients receiving virtual reality therapy navigate through digitally created environments and complete specially designed tasks often tailored to treat a specific ailment; and is designed to isolate the user from their surrounding sensory inputs and give the illusion of immersion inside a computer-generated, interactive virtual environment.

The Virtual Reality therapy also includes a wide spectrum of other modes of therapy such as VR based Music Therapy which aims to provide a relaxing and soothing mental state and hope to achieve a tranquil state of mind. The music therapy is mainly focused on hearing and playing music instruments.

In the case of many phobias, reaction to the perceived hazards, such as heights, speaking in public, are usually triggered by visual and auditory stimuli. In VR based therapies, it is done by providing artificial and controlled stimuli in the context of treatment, so the help required is provided.

This technology has a demonstrated clinical benefit as an adjunctive analgesic during burn wound dressing and other painful medical procedures. Technology can range from a simple PC and keyboard setup, to a modern virtual reality headset. It is widely used as an alternative form of exposure therapy, in which patients interact with harmless virtual representations of traumatic stimuli in order to reduce fear responses. It has proven to be especially effective at treating PTSD, and shows considerable promise in treating a variety of neurological and physical conditions. Virtual reality therapy has also been used to help stroke patients regain muscle control, to treat other disorders such as body dysmorphia, and to improve social skills in those diagnosed with autism.

Motivation to integrate technology and behavioural health exists, as highlighted by the All of Us research initiative funded by the NIH. Presently available VR technology is being used to enhance treatment of anxiety and VR has the potential to improve clinical. VR could create an

engaging, controllable, repeatable, and safe training environment. Advances in VR allow users to enter a fully immersive environment and have simulated interactions with virtual humans.

In the ever advancing world we live in, scientific advancements such as AI/ML and AR/VR are revolutionising the technologies. So having an opportunity to overcome your fears and having your problems resolved in a more hassle-free method is achieved by the VR based Therapy which may provide a basic sense of security to become the better version of themselves.

WHO estimates that the burden of mental health problems in India is 2443 per 100 00 population;the age-adjusted suicide rate per 100 000