



Nehru Institute of Technology

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



“Jawahar Gardens”, Kaliapuram

Coimbatore – 641 105.

Annual Report 2021 – 2022

Good Morning and a warm welcome to everyone to our annual College Day celebrations. Today, the 14th annual day of our college, is a significant day for all of us gathered here and it's a day of retrospection ! It all started with a holy man and his vision! It is a day for us to recall the noble vision of our Founder Chairman Late Shri P.K.Das and celebrate our achievements in the field of education.

1.0 Introduction

Nehru Institute of Technology (NIT) was started in the year 2008 by our Late Chairman Shri P.K.Das. The Institute offers various courses in both engineering and management Studies. With the Blessings from Almighty and with the Guidance and support of our Chairman, Trustees, Advisory Board and Academic Council Members, Principal, Faculty, Parents, Well Wishers and Students, We could continue to maintain good reputation among new generation Colleges in the state.

NIT strongly believes in the concept of holistic education and strives to achieve its goal of preparing students to meet the challenges that we face in the twenty-first century. We prepare our students not only for academic success but also for life. Based on the principle of Outcome Based Education (OBE), we have shifted “the focus of educational activity from teaching to learning; skills to thinking; content to process and teacher instruction to student demonstration”.

I take great pleasure in presenting the Annual Report of Nehru Institute of Technology documenting its developments and achievements. The year 2021-22 was marked with many events and success stories. This can be attributed to the dedication and team spirit of the members of the Management, Staff and Students. On this wonderful day, when we have gathered here to acknowledge and celebrate the contributions of all achievers,

2.0 STUDENTS ACHIEVEMENTS

2.1 Anna University Rank Holders

Nehru Institute of Technology, an engineering institution committed for student's excellence has consistently produced Rank Holders in Anna University Examinations. I am proud to list the names of the rank holders in various disciplines. They are

Name	Department	Rank
Apoorva U	Aeronautical Engineering	1
Gayathri R	Aeronautical Engineering	2
Vignesh C	Aeronautical Engineering	9
Gino GS	Aeronautical Engineering	10
Akash kumar A	Aeronautical Engineering	21
Janani shre P	Aeronautical Engineering	23

2.2 Best Outgoing Students

The following students are adjudged as the best outgoing students from various departments for their multiple offers and various contributions to the development of the department.

S.No	Name	Department	Year
1	Deepin Ragul .AJ	Aeronautical Engineering	IV
2	Suyimkokba Longkumar	Civil Engineering	IV
3	Ashik KV	Computer Science and Engineering	IV

2.3 Academic Rank Holders

The following students are the toppers in academic performance in the respective Departments for the year 2021-2022:

- **Aeronautical Engineering**

S.No	Year	Name of the Student	Rank
1	IV	Amla K Roy	I
2	III	Rahul S	I
3	II	Peetha Akash	I

- **Agriculture Engineering**

S.No	Year	Name of the Student	Rank
1	III	Kaviya S	I
2	II	Denuja S	I

- **Computer Science and Engineering**

S. No	Year	Name of the Student	Rank
1.	IV	Ashik K V	I
2.		Praveen	II

- **Food Technology**

S.No	Year	Name of the Student	Rank
1	II	Mahalakshmi G	I

2.4 Co-curricular activities

In addition to attaining its mission of providing a quality academic education, the institution encourages and facilitates the students to participate in other co-curricular activities like seminars, symposiums and paper presentations. Due to paucity of time,

we are not able to cover all such achievements but would like to list a few significant student contributions:

Department of Computer Science and Engineering

Workshop

- 1) **Mr.S.Abishek(II-CSE)** has participated workshop on “COMPETATIVE PROGRAMMING ” at Chennai -MIT
- 2) **Mr.R.Abilash II-CSE)** has participated workshop on “COMPETATIVE PROGRAMMING ” at Chennai -MIT
- 3) **Mr.Na.Kesaav (II-CSE)** has participated workshop on “MACHINE LEARNING” at M.Kmarasamy college of engineering
- 4) **Mr.V.Muvin Kumar (II-CSE)** has participated workshop on “MACHINE LEARNING” at M.Kmarasamy college of engineering
- 5) **Mr.T.Ragul (II-CSE)** has participated workshop on “DATA SCIENCE” at M.Kmarasamy college of engineering
- 6) **Mr.K.Shriher (II-CSE)** has participated workshop on “DATA SCIENCE” at M.Kmarasamy college of engineering
- 7) **Mr.S.Abinesh (II-CSE)** has participated workshop on “DATA SCIENCE” at M.Kmarasamy college of engineering
- 8) **Mr.Na.Kesaav (II-CSE)** has participated workshop on “ANDROID DEVELOPMENT BY GOOGLE DEVELOPERS ” at Chennai -MIT
- 9) **Mr.S.Abinesh(II-CSE)** has participated workshop on “ANDROID DEVELOPMENT BY GOOGLE DEVELOPERS ” at Chennai -MIT
- 10) **Mr.M.Vilvanathan(II-CSE)** has participated workshop on “ANDROID DEVELOPMENT BY GOOGLE DEVELOPERS ” at Chennai -MIT
- 11) **Mr.Ds.Vignesh(II-CSE)** has participated workshop on “ANDROID DEVELOPMENT BY GOOGLE DEVELOPERS ” at Chennai -MIT
- 12) **Mr.K.Shriher(II-CSE)** has participated workshop on “ANDROID DEVELOPMENT BY GOOGLE DEVELOPERS ” at Chennai -MIT
- 13) **Mr.T.Ragul(II-CSE)** has participated workshop on “ANDROID DEVELOPMENT BY GOOGLE DEVELOPERS ” at Chennai -MIT
- 14) **Mr.V.Anantha kumar(II-CSE)** has participated workshop on “ANDROID DEVELOPMENT BY GOOGLE DEVELOPERS ” at Chennai -MIT
- 15) **Mr.Anirudh.m.pisharody(II-CSE)** has participated workshop on “ANDROID DEVELOPMENT BY GOOGLE DEVELOPERS ” at Chennai -MIT
- 16) **Mr.S.Michael gnana sundar(II-CSE)** has participated workshop on “ANDROID DEVELOPMENT BY GOOGLE DEVELOPERS ” at Chennai -MIT

Symposium

- 1) **Mr.Kirubkaran(II-CSE)** has participated Symposium on “LOGP DESIGNING ” at NIET and win in SECOND prize Rs.1000/-
- 2) **Mr.Na.Kesaav (II-CSE)** has participated Symposium on “PAPER PRESENTATION ” at Karpagam college of Engineering
- 3) **Mr. Mr.Anirudh.m.pisharody(II-CSE)** has participated Symposium on “PAPER PRESENTATION ” at Karpagam college of Engineering
- 4) **Mr.T.Ragul(II-CSE)** has participated Symposium on “PAPER PRESENTATION ” at Karpagam college of Engineering
- 5) **Mr.R.Manikandan(II-CSE)** has participated Symposium on “PAPER PRESENTATION ” at Karpagam college of Engineering
- 6) **Mr.J.Arun(II-CSE)** has participated Symposium on “PAPER PRESENTATION ” at Karpagam college of Engineering
- 7) **Mr.K.Thanush Kumar(II-CSE)** has participated Symposium on “PAPER PRESENTATION ” at Karpagam college of Engineering
- 8) **Mr.Kirubkaran(II-CSE)** has participated Symposium on “CODE DEDUGGING ” at NIET and win in FRIST prize Rs.750/-

2.5 Extracurricular Activities:

We believe that our students need to be thoroughly educated as engineering graduates in order to be responsible members of the society in which they participate. As an educational institution, we encourage students to participate in various inter-university events where extracurricular education can be exhibited and received. That our students are socially well received is evident from the fact that I am almost flooded with requests from students who have been invited to participate in event conducted by other colleges. I would like to list a few significant student contributions:

Department of Computer Science and Engineering

1. P.Mohan won III Prize in Athletic Event “ Short Put”, Organized by Nehru Institute of Technology (Sports Day) conducted on 04.06.2022.
2. P.Mohan won I Prize in “Kabaddi “ Organized by Nehru Institute of Technology (Sports Day) conducted on 04.06.2022.
3. P.Mohan, J.Vishnu Prakash and R.Sanjaynathan won I Prize in “Volley Ball “ Organized by Nehru Institute of Technology (Sports Day) conducted on 04.06.2022.
4. P.Mohan, J.Vishnu Prakash and R.Sanjaynathan won I Prize in “Kho-Kho “ Organized by Nehru Institute of Technology (Sports Day) conducted on 04.06.2022.
5. M.Mohanvaj and V.Baskaran won II Prize in “Kho-Kho “ Organized by Nehru Institute of Technology (Sports Day) conducted on 04.06.2022.
6. M.Mohanvaj and V.Baskaran won I Prize in “Foot Ball “ Organized by Nehru Institute of Technology (Sports Day) conducted on 04.06.2022.
7. P.Mohan won II Prize in “Carrom “ Organized by Nehru Institute of Technology (Sports Day) conducted on 04.06.2022.
8. P.Mohan won I Prize in “Basket Ball “ Organized by Nehru Institute of Technology (Sports Day) conducted on 04.06.2022.
9. R.Vignesh won II prize(Runner) in “Cricket “ Organized by Nehru Institute of Technology (Sports Day) conducted on 04.06.2022.
10. J.Vishnu Prakash won I Prize in “Volley Ball” Organized by Nehru Institute of Technology (Sports Day) Conducted on 04.06.2022
11. M.Mohanvaj and V.Baskaran won II Prize in “Basket Ball “ Organized by Nehru Institute of Technology (Sports Day) conducted on 04.06.2022
12. K.Thanush Kumar, S.Selva kumar and V.Ananthakumar won II Prize in “Kabaddi “ Organized by Nehru Institute of Technology (Sports Day) conducted on 04.06.2022
13. Sabarish. S-2nd Year Agri National Level Cricket championship Won 3rd Prize on 26th March ‘2022 at New Delhi.

Science & Humanities

1. U. Sahan Fathima, I Agri, Won second prize at the Inter Collegiate Fest – Terra Battlers 2022 Creative Writing Competition at Stella Maris College, Chennai.
2. S.S Selsiya, I Agri, participated in the Inter Collegiate Fest – Terra Battlers 2022 Creative Writing Competition at Stella Maris College, Chennai.
3. Kumanan, A I Aero, participated in the Inter Collegiate Fest – Terra Battlers 2022 Creative Writing Competition at Stella Maris College, Chennai.
4. Kumanan A and U. Anandharaj, I Aero participated in Quiz program organized by PPG College of Arts & Science
5. S.Sowmiya, S.Selsiya, S.Narmadha, K.Harini Priya, J.Ponbala & S.K.M.Ganaprakash I Agri participated in Quiz program organized by PA College of Engineering, Pollachi.
6. S.Sowmiya, S.Selsiya, S.Narmadha, K.Harini Priya, J.Ponbala & S.K.M.Ganaprakash I Agri participated in Paper Presentation organized by PA

College of Engineering, Pollachi.

7. K. Abinaya I- Agri participated in Quiz and Paper Presentation in “DHURUVA” organized by Karpagam College of Engineering, Coimbatore
8. S.Sowmiya, I- Agri participated in YOGA SE AYU Quiz, Organized by All India Institute of Ayurveda
9. S.Narmadha, I- Agri participated in Water Quiz 2.0, Organized by National Water Mission
10. S.S Selsiya, I Agri, participated in PCRA- 11.0 Quiz, Organized by Petroleum Conservation Research Association
11. S.Janani and R. Madhumitha I- Food Tech participated in Water Quiz 2.0, Organized by National Water Mission
12. K. Leghashri, I- Food Tech participated in SEVA, SUSHASAN, GARIB KALYAN Maha Quiz organized by Ministry of Electronics and Information Technology, Government of India.
13. Karthick Srinivas I- Aero participated in Quiz on Pradhan Mantri Awas Yojana organized by Ministry of Electronics and Information Technology, Government of India.

MBA

1. Mss. Preethi First Year MBA won the First prize in best manager Competition organized by Hindustan Arts and Science College, Coimbatore on 13th May 2022.
2. Karthick S Completed Student Development Programme on Website Desining using Wordpress Basics organized by IIT Kanpur on 24th January 2022 to 29th January 2022
3. Mohana Dharsini, Karthick. S, Aswin and Nivetha won second prize in Brand creativity organized by Hindustan Institute of Technology, Coimbatore on 27th May 2022.
4. Mohana Dharsini R presented the paper in Bannariamman Institute of Technology, Bharathidasan University and Nehru Arts and Science.
5. Karthick S, Mohana Dharsini R and Manoj Babu R participated in one week workshop on Structural Equation Modelling using AMOS organized by Jaisriram Engineering College on 28th March 2022.
6. Mohandharsini R and Karthick S completed NPTEL Course with Elite Ranking on Consumer Behaviour.

2.6 Students Support and Progression

1. Scholarships

- ❖ **Government Scholarship:** 404 number of students who benefited from scholarships and freeships provided by the Government.
- ❖ **Management Scholarship:** 167 number of students who benefited from scholarships and freeships provided by the Management.

2. Capacity Building and Skills Enhancement

Totally **31** numbers of Capacity building and Skills enhancement initiatives taken by the institution which include,

- ❖ 14 Soft skill program
- ❖ 06 Language and Communication skills program
- ❖ 04 Life skills program(Yoga, Health and fitness based program)
- ❖ 07 ICT Skills based program

3. Competetive and Career Counseling

- ❖ 12 numbers of Competitive and Career Counseling programs conducted during the academic year 2021-2022

2.7 Value Added Programs

❖ 10 numbers of Value Added Programs conducted during the academic year 2021-2022

- ANSYS
- CNC
- Small Unmanned Ariel Vehicle (UAV)
- CVA 018 Industrial waste management
- TFM 101 Testing of farm machinery implements
- HDDIS 101 Hydraulic design of drip Irrigation Systems
- FSSA 101 Faring Systems and Sustainable Agriculture

3.0 Programmes Organized by the Departments

3.1 Department of Aeronautical Engineering

The Department of Aeronautical Engineering has organized various programmes for the benefit of Students, Researchers, Faculty, Academicians, Industry Personnel. The list is as follows :

S.No	Name of Event/Program	Date
1.	GUEST LECTURE ON HVAC	18.11.2021
2.	HANDS ON TRAINING ON WET LAYUP PROCESS	08.12.2021
3.	LOCAL INDUSTRIAL VISIT	10.12.2021
4.	AWARENESS ON SUCCESSFUL ENTREPRENEURSHIP	13.12.2021
5.	GUEST LECTURE ON R&AC	13.12.2021
6.	DESIGN AND WORKING OF RC MODEL – PHASE I	14.12.2021
7.	SEMINAR ON ASTRONOMY	16.12.2021
8.	BOOK REVIEW ON “WINGS OF FIRE”	20.12.2021
9.	AWARENESS PROGRAM ON STUDY ABROAD AND OVERSEAS JOB OPPORTUNITIES	22-12-2021
10.	AWARENESS PROGRAM ON ANSYS SDK	21.03.22
11.	ORIENTATION PROGRAM ON "LEARNING ENGINEERING THROUGH ACTIVITY PROGRAM" (LEAP)	23-03-2022
12.	TRAINING PROGRAM ON “SERVICE OF CESSNA AIRCRAFT”	23 Apr 22
13.	AERONAUTICAL ENGINEERING ASSOCIATION INAUGURATION	28 Apr 22
14.	SEMINAR ON ROCKETS AND MISSILES	28 Apr 22
15.	INDUSTRIAL VISIT TO NAVAL AVIATION MUSEUM, GOA	12 May 22
16.	TWO DAYS NATIONAL LEVEL WORKSHOP ON “BUILDING A DRONE- QUADCOPTER”.	30,31 May 22
17.	NATIONAL LEVEL TECHNICAL SYMPOSIUM- VOYAGER 2022	6-Jun-22
18.	PAPER PRESENTATION	6-Jun-22
19.	CAD MASTER	6-Jun-22
20.	PARA GLIDER	6-Jun-22
21.	TECHNICAL QUIZ	6-Jun-22
22.	WATER ROCKETRY	6-Jun-22

23.	PROJECT EXPO	6-Jun-22
24.	POSTER MAKING	6-Jun-22
25.	MOBO PHOTOGRAPHY	6-Jun-22
26.	PAPER PLANE	6-Jun-22
27.	CONNECTIONS	6-Jun-22
28.	TREASURE HUNT	6-Jun-22

3.2 Department of Agriculture Engineering

Conferences / Seminars / Workshops / FDP/Refresher Courses Industrial Visits

Webinar / Seminar :

- (1) Processing of pulses
- (2) Online session on Data handling techniques
- (3) Spreadsheets for beginners
- (4) Innovations in Food Processing techniques
- (5) Thermal processing of foods

Industrial Visits :

- (1) Visit to Malampuzha Dam
- (2) National Farmer's day celebration-Field visit
- (3) Field visit- Well maintenance
- (4) Industrial Visit to Milky mist
- (5) Industrial visit- Long IV

3.3 Department of Civil Engineering

Workshops/Seminars

1. Conducted a Workshop on "Quantity Surveying" on 15.09.2021 by the department of Civil Engineering.
2. Conducted a workshop on "Building Analysis" on 22.07.2021 by the department of Civil Engineering.
3. Organised a seminar on "Foundation Design" on 26.08.2021 by the department of Civil Engineering.
4. Organised a seminar on "BIM and CPM" on 08.10.2021 by the department of Civil Engineering.
5. Conducted Hands-on Training on "GIS and Aerial Software" on 17.11.2021 by the department of Civil Engineering.
6. Organised one day seminar on "Ground Improvement Techniques" on 13.05.2022 by the department of Civil Engineering.

To make the students better in Experiential Based Learning

1. The Department of Civil Engineering organised a visit to "Nehru Arts and Science College, Thirumalayampalayam" on 04.04.2022 for better understanding of Scaffolding and Shuttering works.
2. The Department of Civil Engineering organised a visit to "Malabar Cements Ltd, Palakkad" on 19.04.2022 to get complete knowledge in manufacture of cement.
3. The Department of Civil Engineering organised a visit to "Shree Kumaran developers, Coimbatore" on 07.05.2022 to understand the different stages in construction.
4. The Department of Civil Engineering organised a visit to "Traffic Survey on Nilgiri District" on 12.05.2022 to survey the traffic conducted by the Highways department, Kothagiri.

3.4 Department of Computer Science And Engineering

Seminar / Webinar

- 3 days Technical Views Seminar on “ Future Technologies” from 7.9.2021 to 9.9.2021 . Event Coordinator was Dr.M.Durai Pandian.
- One Day Webinar on “Wearable industrial internet of things vs Industry 4.0” on May 22, 2021. Mr.Senthilkumar M was the Resource person. Mr.Arun Patrick was the Coordinator.
- YRC & Dept of CSE organized national level webinar on “How to safeguard yourself from COVID 19 V2”. Resource Person is Dr. Sadeesh Kumar MBBS and the event coordinator is Mr.T.Palaniraja.
- One day Webinar on “Entrepreneurship Development “ on June 15th 2021. Resource Person was the Mr. BadriNarayanan . Mr.K.Arun Patrick was the event coordinator.
- Department of CSE organized a Program for + 2 students “Choose Your Right Career” on 12.7.2021. Resource Person was Prof.R.Sathyanarayanan and the Event Coordinator Prof.L.Nithya.
- One Day Webinar on “Securing the Digital Assets- the Future” on 14.8.2021. The Resource Person was Dr.T.Sivakumar. Event Coordinator was Prof.L.Nithya.
- One Day national Webinar on “Effects of NEP on Youth Empowerment and Sports Development “ conducted on 4.8.2021. Dr.S.Suthakar HOD/Physical Education, Karpagam University. Event Coordinator was Prof.L.Nithya.
- One Day Webinar on “Challenges and Security issues in Development of intelligent video and surveillance system” on 15.9.2021. Resource Person Dr.Manish Khare. Event Coordinator was Mr.K.Arun Patrick.
- YRC & Dept of CSE Organized Road Safety Awareness program on 16.5.2022 at Roti Goundanur , Coimbatore. Event coordinator was Mr.T.Palaniraja.

Workshop

- Two Days Workshop on “E-Content Creation and ICT tools for Innovative teaching and learning “From May 14th and 15th, 2021. Dr.S.Senthilnathan and Dr.P.Muthupandi acted as the resource persons. Mr.V.Satheeswaran was the coordinator of the event.
- Two Days Workshop on “Web Application Development “ From June 12th and 13th, 2021. Mr.J.Manivelu and Mr.Tharanesh.M G acted as resource persons of the event. Mr.T.Palaniraja and Mr.V.Satheeswaran are the coordinators.
- One Day workshop on “ Power BI with Real time Applications “ on 28.8.2021. Event coordinator was Mr.T.Palaniraja.

Industrial Visit

- One Day Industrial Visit for II & III CSE to Regional Science Center, Coimbatore on 22.12.2021.
- Six days Industrial Visit for III & IV CSE to Kalbavi Cashews & SPAN Aquatic Products (Karnataka), from 4.5.2022-10.5.2022.\

Symposium

- NEXUS '22 One Day National Level Technical Symposium organized by Department of CSE on 31.5.2022. Mr.Arivalazhan Krishnamoorthi CTO and Founder of CLAR Technologies, Coimbatore was the Chief Guest of the Symposium. Mrs.L.Nithya and Mr.S.Raja acted as the Coordinators of the Symposium.

3.5 Department of Food Technology

The Department of Food Technology has organized various programmes for the benefit of Students, Researchers, Faculty, Academicians, Industry Personnel. The list is as follows :

S.No	Name of Event/ Program	Date
1	Intellectual Property rights in Food Sector	10.07.2021
2	Safe natural Sweeteners	17.07.2021
3	Leveraging Technology in Supply Chain	27.08.2021
4	Academic Advisory Committee Meeting	14.08.2021
5	IV -Coodu	10.10.2021
6	Awareness Camp on Food Adulteration	29.11.2021
7	Awareness Camp on Food Labeling	30.11.2021
8	A Session to familiarize microbial Organism	17.12.2021
9	Article Writing- Abstract Preparation skill development Program	17.12.2021
10	Conceptualization of a Dairy Industry	20.12.2021
11	One Day IV-Visit to Milma , kaleppully	22.12.2021
12	One day workshop on “IOT in Agriculture”	05.01.2022
13	Hands on training on Bakery Product Development (Cookies)	05.02.2022
14	One day IV – Milky Mist , Erode	11.04.2022
15	Association Inauguration Food and Agri	08.04.2022
16	Book review	07.05.2022
17	Industrial Visit to Kalbavi	04.05.2022 to 09.05.2022
18	TchnicalSymposium –Tech Fiesta 2022	25.05.2022
19	Interactive session on Entrepreneurship Innovation Career Opportunities	31.05.2022
20	Hands on Training on Bakery Product Development (Bread Making)	06.06.2022
21	World Food Safety Day Celebration	07.06.2022

3.6 MBA

The Department of Management Studies has organized various programmes for the benefit of Students, Researchers, Faculty, Academicians, Industry Personnel. The list is as follows

Sl. No	Name of the Event	Date
1.	Educational Tour to Dandelhi and Coa	05.06.2022 to 09.06.2022
2.	Mega Job Fair 2022	28.05.2022
3.	one day workshop on Business Analytics	25.07.2022
4.	International HR Day	20.05.2022
5.	NIT MBA Alumni interaction	20.05.2022
6.	ICSSR-SRC Sponsored Two Days International Conference on MSMEs and COVID-19: The	17.05.2022 to 18.05.2022

	Opportunities, Challenges and Recovery Measures	
7.	NIT MBA Alumni speech on the topic "Connecting with Corporate"	13.05.2022
8.	Industrial Visit to MAG Solvics Pvt Ltd, Kinathukadavu, Coimbatore	06.05.2022
9.	NIT MBA Alumni interaction	23.04.2022
10.	Industrial Visit to Arunachal industries, Coimbatore.	20.04.2022
11.	NIT MBA Alumni with I MBA Students	13.04.2022
12.	one day workshop on Data Analytics with Google Data Studio	17.02.2022
13.	NIT MBA-Youth Parliament 2022	04-02-2022
14.	NIT MBA Alumni interaction on Scope for MBA students in Banking Sector	05.01.2022
15.	Marketing Mela – 2021	21-12-2021
16.	News paper connect club Inauguration	03-12-2021
17.	Business Line Quiz	03-12-2021
18.	Business News presentation	01-12-2021
19.	MOU Signing Ceremony With Trucon Interconnect Solutions, Coimbatore	27-11-2021
20.	Industrial Visit to Bull Machine India Ltd, Coimbatore	24-11-2021
21.	One day Industrial visit to the company Enbest Pumps private limited	10-11-2021
22.	Seven Day MBA Orientation Programme	20-10-2022 to 26-10-2022
23.	MoU Signing Ceremony with Shriram Chit Finance Limited	20-10-2022
24.	Webinar on Behavioural Traps	24.06.2021
25.	Brilliant Yoga Heals and Soul	21-06-2021

4.0 MoU's signed & Collaboration Activities

- 26 MoUs were signed with the reputed industry and organizations for the benefits of students and faculty fraternity.
- 50 Collaborative activities like students internship, Implant Training, Student Exchange Program, Industrial Visit and Field Trip integrated with various industries and academic organization.

4.1 Department of Computer Science and Engineering

The department of Computer Science and Engineering has signed MOU with the following Industries in the last year.

- 1) CSE Department has signed Mou with Laphire Information Technology and Service Pvt Limited for soft skill training program on 29.10.2021
- 2) CSE Department has signed Mou with Triple N Automatic Soln Pvt Limited for soft skill training program on 20.10.2021
- 3) CSE Department has signed Mou with Nandha Infotech for Placement assistance, Internship and Soft skill training Program on 23.11.2021.
- 4) CSE Department has signed Mou with FITA Academy for Placement assistance, Internship and Soft skill training Program on 23.11.2021.
- 5) CSE Department has signed Mou with Vee Xplore for Value added Program Training, internship training for two years, from 2019 to 2021

4.2 Department of Aeronautical Engineering

The department of Aeronautical Engineering has signed MOU with the following Industries in the last year.

1. Jet Aerospace Aviation Research Center, Kerala.
2. Vayusastra Aerospace Pvt. Ltd, Chennai.
3. Green Tech Aviation, Coimbatore.
4. Brahmastra Aerospace and Defence Pvt. Ltd, Chennai.
5. Aeronautical Sector Skill Council, Kerala.
6. SpacePort India Foundation, Delhi.
7. Galaxy Educational Consultants, Chennai.
8. Ekalaiv Tech Pvt Ltd, Bangalore.

4.3 Department of Agriculture Engineering

The department of Agriculture Engineering has signed MOU with the following Industries in the last year

1. M/S Kaveri Agro Industries Private Limited, Coimbatore
2. Krishibadlav Agri Solutions Pvt Ltd, Bangalore
3. Nandha Infotech, Coimbatore
4. Indian Farmer, Coimbatore
5. Nature Science Foundation

4.4 Department of Food Technology

The department of Food Technology has signed MOU with the following Industries in the last year

1. DPRO Food Consult
2. VEG Route Agritech P.ltd
3. RCT Trust
4. Aspire Training and Research

4.5 MBA

MBA has signed MOU with the following Industries in the last year

1. Trucon Interconnect Solution, Coimbatore – 27th Nov 2021
2. Shri Ram Citi Union Finance Ltd – 20th Oct 2021

5.0 STAFF ACHIEVEMENTS

Staff Achievements include participation in conferences, workshops, seminars and paper publications in journals and organizing various events apart from the regular academics.

Department of Aeronautical Engineering

Papers Publication in Journals

1. S. Srinivasan, S. Thirumurugaveerakumar, N. M. Raffie, R. B. Kanna” Process parameter optimization for cutting tool-workpiece interface temperature during end milling of Aluminium alloy 6061 using Taguchi's experimental design”, Sustainable Engineering Science and Research Journal.,Vol 01, no 1, May 2022, Page: 21-25, <https://doi.org/10.5281/zenodo.6554730>
2. Wasim Khan, M., Elayaperumal, A., Sivanesh Prabhu, M., S. Arulvel” Effect of compaction pressure on the physical, mechanical and tribological behaviour of compacted crab shell particles prepared using uniaxial compaction route” Journal of Materials Engineering and Performance – Springer Publication SCI Indexed 1-15 2022.
3. Karthikeyan.J 1 Banu.T 2 Dr.K.Ganesh Babu 3 Royson Varghese C R 4

“NUMERICAL SIMULATION OF SHOCK INDUCED MIXING OF FUEL AND AIR IN THE SCRAMJET COMBUSTOR” Vidyabharati International Interdisciplinary Research Journal (Special Issue) ISSN 2319-4979.

4. **T. Manikandan**, Siddharthan A and Murugananthan R. **“Mechanical and Dielectric Properties of Modified Graphene oxide Nanocomposites at Elevated Temperatures”** Journal of composite Materials, SAGE publications (Under Review).
5. **T. Manikandan**, Siddharthan A and Murugananthan R. **“Self-Healing and Fire Retardant behaviour of Modified Graphene oxide Nanocomposites for aerospace applications”** Composites science and Technology, Elsevier publications (Under Review).

Conferences Presented

1. Dr. S.Thirumurugaveerakumar , S.Srinivasan , N.Mohammed Raffic Dr.K.Ganesh Babu,“Experimental Investigation on Turning Process Parameters for AA7075 by Taguchi’s Orthogonal Array”, International Conference on Materials Research in Science and Engineering (KMRSE’21) 23rd to 25th July 2021 (Virtual Mode). (Accepted for Publication with AIP Conference Proceedings, SCOPUS Indexed).
2. Ramkumar AC, Sivanesh Prabhu M, Manikandan T “Design and Experimental investigation of solar dryer assisted with waste heat recovery system”, Development in Organic-Inorganic Halide Perovskite Materials and its Modern Applications, 2021.
3. Manikandan T, Ramkumar AC, Sivanesh Prabhu M, Madhusudan nayak C Study of Mechanical Behaviour of Glass Fibre Composites on Adverse Environmental Conditions”, Development in Organic-Inorganic Halide Perovskite Materials and its Modern Applications, 2021.
4. Sivanesh Prabhu M, Manikandan. T, Ramkumar AC, Madhusudan Nayak C A study on microstructural, mechanical and tribological behaviour of Friction stir processed AA6082/CaCO₃ composite”, Development in Organic-Inorganic Halide Perovskite Materials and its Modern Applications, 2021.
5. Ramkumar AC, Manikandan T, Sivanesh Prabhu M Investigation of Photovoltaic Panel with Automated Cooling and Cleaning System”, Development in Organic-Inorganic Halide Perovskite Materials and its Modern Applications, 2021.
6. Ramkumar AC, Sivanesh Prabhu M, Manikandan T Design and Experimental investigation of solar dryer assisted with waste heat recovery system”, Development in Organic-Inorganic Halide Perovskite Materials and its Modern Applications, 2021.
7. Mr. Balthilak A, Mr. Ramkumar AC, “Automation of Shops using Robots”, 7th International Conference on Science, Engineering and Technology, on 28.04.2022 to 29.04.2022 organized by Nehru Institute of Engineering and Technology, Coimbatore
8. Mr. Balthilak A, Mr. Srinivasan S “Analysis of robot arming using finite element Analysis”, 7th International Conference on Science, Engineering and Technology, on 28.04.2022 to 29.04.2022 organized by Nehru Institute of Engineering and Technology, Coimbatore
9. Mr. Balthilak A, “CFD analysis of application of phase change material in automotive climate control system”, 7th International Conference on Science, Engineering and Technology, on 28.04.2022 to 29.04.2022 organized by Nehru Institute of Engineering and Technology, Coimbatore
10. Mr. Srinivasan S, Mr. Ramkumar AC, “BIOMECHANICS ANALYSIS AND OPTIMISATION OF INSTEP KICKING: A CASE STUDY TO MALAYSIAN FOOTBALLER” 7th International Conference on Science, Engineering and Technology, on 28.04.2022 to 29.04.2022 organized by Nehru Institute of Engineering and Technology, Coimbatore.
11. Mrs.Banu.T, Keerthi.M.B, Anusriya.A , **“Improvement in Aerodynamic Performance of an Airfoil Using Leading Edge Rotation”** CSIR Sponsored Two

Days National Level Conference on development in Organic-Inorganic Halide Perovskite Materials and its Modern Applications on 22.12.2021 to 23.12.2021 organized by Nehru Institute of Technology, Coimbatore.

12. Banu.T, Karthikeyan.J ,Aparna.E.P , Vaishnavi.T **“Design Optimization of Morphing Airfoil”**CSIR Sponsored Two Days National Level Conference on development in Organic-Inorganic Halide Perovskite Materials and its Modern Applications on 22.12.2021 to 23.12.2021 organized by Nehru Institute of Technology, Coimbatore.
13. T.Banu (Assisant Professor) S&G P.Gobi Shankar, T.Vaishnavi, E.P.Aparna **“Recent Developments in Airport Planning”** International Aviation Conference 2022 on Sustainable growth and Development in Aviation Industry on 12 th Apr 2022 organized by Nehru College of Aeronautics & Applied Sciences, Coimbatore.
14. Dr.T.Manikandan, Multifunctional behaviour of Amine-functionalized Graphene Oxide Epoxy Nanocomposites on Elevated temperatures, CSIR Sponsored Two Day National Level Conference on Development in Organic-Inorganic Halide Perovskite Materials and its Modern Applications, 22-23 December 2021, organized by Nehru Institute of Technology, Coimbatore.
15. Dr.T.Manikandan, Design and Experimental investigation of solar dryer assisted with waste heat recovery system, CSIR Sponsored Two Day National Level Conference on Development in Organic-Inorganic Halide Perovskite Materials and its Modern Applications, 22-23 December 2021, organized by Nehru Institute of Technology, Coimbatore.
16. Dr.T.Manikandan, A study on microstructural, mechanical and tribological behaviour of Friction stir processed AA6082/CaCO₃ composite, CSIR Sponsored Two Day National Level Conference on Development in Organic-Inorganic Halide Perovskite Materials and its Modern Applications, 22-23 December 2021, organized by Nehru Institute of Technology, Coimbatore.
17. Dr.T.Manikandan, Design and Experimental investigation of solar dryer assisted with waste heat recovery system, CSIR Sponsored Two Day National Level Conference on Development in Organic-Inorganic Halide Perovskite Materials and its Modern Applications, 22-23 December 2021, organized by Nehru Institute of Technology, Coimbatore.
18. Dr.T.Manikandan,Top down and bottom up approaches for the synthesis of nanomaterials-An overview, CSIR Sponsored Two Day National Level Conference on Development in Organic-Inorganic Halide Perovskite Materials and its Modern Applications, 22-23 December 2021, organized by Nehru Institute of Technology, Coimbatore.
19. Dr.T.Manikandan, Synthesised and characterization of graphene oxide nano-coatings to improve adhesion and cell-proliferation on Porous alloys, 7th International Conference on Science , Engineering and Technology (Virtual Mode), 28-29 April, 2022, organized by Nehru Institute of Engineering and Technology, Coimbatore.

Patent Publications

1. S. Srinivasan published patent titled **“AN IOT BASED AUTOMATED DRIP IRRIGATION SYSTEM BY PREDICTING WEATHER CONDITION AND WATER REQUIREMENT IN THE FIELD OPERATOR”** , Patent application number: 202241005055, Date of filing: 31/01/2022,Publication no and Date: 05/22, Dt. 04-02-22.
2. S. Srinivasan published patent titled **“DESIGN OF COCONUT HUSK REMOVER WITH SHELL CUTTER AND SCRAPER”** International application no: PCT/IN2020/050808, Date of filing : 21 September 2020, International Publication no and Date: WO/2022/003705 , 06.01.2022

3. S. Srinivasan published patent titled “AN INTELLIGENT PHARMACEUTICAL ASSISTANCE SYSTEM”, Patent application number: 202141040360, Date of filing: 06/09/2021, Publication no and Date: 39/21, Dt. 24-09-21.
4. S. Srinivasan published patent titled “SMART IRRIGATION SYSTEM USING INDUSTRIAL INTERNET OF THINGS (IIOT)” Patent application number: 202141023019, Date of filing: 24/05/2021, Publication no and Date: 24/21, 11-06-21.
5. Dr. Sivanesh Prabhu M, Mrs.T.Banu, Mr. Balhilak published patent titled “IIoT’s Based Remote Monitoring And Automatic Pesticide Spraying Using Agriculture Drones”, 202241000275 A, 04/02/2022.
6. Mrs.T.Banu, published patent titled BUSINESS INTELLIGENCE FOR THE IMPROVISATION OF AIRLINES KEY PERFORMANCE INDICATOR(KPIS) Patent application no: 202241020410 A Date of filing : 05/04/2022 Publication Date: 29/04/2022 .
7. Mrs.T.Banu, published patent titled “ARTIFICIAL INTELLIGENCE AND ROBOTIC ENABLED FUTURE GENERATION OF SMART SATELLITES” Patent application number: 202131062308 A Date of filing: :31/12/2021 Publication Date: 04/02/2022.
8. Dr. T.Manikandan, Satheesh kumar published patent titled IIoT’s Based Remote Monitoring And Automatic Pesticide Spraying Using Agriculture Drones, 2021.

Contribution as Resource person

1. S. Srinivasan acted as session Judge at International conference on “Sustainable growth and development in aviation industry” at Nehru College of Aeronautics and Applied Sciences”, at Nehru Aeronautics and Applied sciences, Coimbatore, 12-04-2022
2. Prof. Balhilak A Asst Professor, Department of Aeronautical Engg, acted as Resource Person, FDP on “Outcome Based Education (OBE) and Accreditation Processes” 17.07.21 to 19.07.21,

Department of Agriculture Engineering

Patent:

(a) Gulja S Nair

1. Water melon seed powder instant soup mix, Patent application no: 202241027122 A, date of filing: 11/05/2022, Publication date and no.: 20/2022 dated 20.05.2022. (Waiting for examination)
2. Method of preparation and structural with compositional analysis of vacuum evaporated Lead Phthalocyanine thin films, Patent application No. 202241012409 A, date of filing: 08/03/2022, Publication no and date: 11/2022 Dated 18/03/2022
3. Method of growing Magnesium doped Zinc Hydrogen Phosphate crystals and its characterization, Patent application No 202241006607 A, date of filing: 08/02/2022, Publication no and date: 06/2022 Dated 11/02/2022
4. Method of growing pure and Calcium doped Zinc Hydrogen Phosphate Crystals and its spectral & Thermal analysis, Patent application No. 202241006608 A, date of filing: 08/02/2022, Publication no and date: 06/2022 Dated 11/02/2022
5. Significance & Influence of Cd²⁺ ions doping in ZnHPO₄ crystals for the growth and its studies, Patent application No.202241006609 A, date of filing: 08/02/2022, Publication no and date: 06/2022 Dated 11/02/2022

6. IIoT's based remote monitoring and automatic pesticide spraying using Agricultural Drones, Patent Application No. 202241000275, date of filing: 03/01/2022, Publication no and date: 05/2022 dated 04/02/2022
7. Automatic analysis of soil for plant growth, Patent application number: 202141035030, Date of filing: 04/08/2021. Publication no and date: 3/2021 dated 13/08/2021
8. Smart rodent trap on agricultural farm, Patent application no: 202141052149, Date of filing: 13/11/2021, publication no and date: 49/2021 dated 03/12/2021

R Bharathikanna

1. Smart Irrigation System using Industrial Internet of Things
2. Smart Irrigation system using IoT's and Convolutional neural networks

Satheesh Kumar S

- (1) Smart Irrigation System Using IoT's And Convolutional Neural Networks
- (2) IIoT's based remote monitoring and automatic pesticide spraying using agriculture drones

Journal:

Dr. Shri Krishna Nishani:

1. A critical review of the acoustic resonance approach in food processing: A novel non-destructive technology

<https://www.thepharmajournal.com/archives/2022/vol11issue3S/PartM/S-11-3-41-896.pdf>

Bharathikanna R

- (1) Experimental Investigation on surface roughness and cutting tool-workpiece interface temperature for AA6061 using CRITIC and TOPSIS techniques, Material today proceedings

Dr. Madhusudan Nayak C

- ❖ Influence of processing conditions on quality of Indian small grey breed donkey milk powder. Published in JOURNAL OF FOOD SCIENCE AND TECHNOLOGY 20.01.2022
- ❖ Publication moisture sorption isotherms and estimation of isosteric heat of sorption of donkey milk powder in Journal of Food Processing and Preservation Published on 24-03-2022.

Book chapter:

Dr. Shri Krishna Nisahni

- 1) Nanotechnology in food packaging;
- 2) Market Scenario of functional foods

Conferences / Seminars / Workshops / FDP/Refresher Courses attended:

Conference:

Gulja S Nair

1. Presented paper entitled, “CFD analysis of application of phase change material in automotive climate control system” in the 7th **International** conference on Science, Engineering and Technology organized by Nehru Institute of Engineering and Technology, Coimbatore.
2. Presented paper entitled, “Top down and Bottom up approaches for the synthesis of nano materials-an overview” in the CSIR sponsored two days **National** level conference on Development of Organic –Inorganic Halide Perovskite Materials and its modern applications jointly organized by the Centre for Materials Research and Department of S&H, Nehru Institute of Technology during 22nd and 23rd December 2021
3. Presented paper entitled, “Incorporation of Nanomaterials in Food Packaging: An Overview” in the CSIR sponsored two days **National** level conference on Development of Organic –Inorganic Halide Perovskite Materials and its modern applications jointly organized by the Centre for Materials Research and Department of S&H, Nehru Institute of Technology during 22nd and 23rd December 2021

Dr. Shri Krishna Nishani

1. International Conference on Science, Engineering and Technology, Organised by NIET, Coimbatore

Bharathikanna R

1. Presented in 7th international conference on science, engg and technology 2022 – “Development of a high pressure chamber for spray vessels”

Siva P

1. “Effect of ZrO₂ reinforcement on wear behavior of AA3003 Matrix composites” Presented Paper on International Conference on "Advanced Automotive and Mechanical Systems" INCAAMS on 2nd July 2021 at Kalasalingam University.
2. “Design Fixture For Multi Spindle Drilling Of Industrial Gate Valve” Virtual Conference On Emerging Trends In Mechanical Engineering and Its Application
3. Paper Presented on “Structural analysis of Compound Leaf spring” on a virtual conference at K.Ramakrishnan College of Engineering, Samayapuram, Trichy in 28-04-2022.
4. Presented in 7th international conference on science, engg and technology 2022 – “Development of a high pressure chamber for spray vessels”

Satheesh Kumar S

- (1) Presented a paper in International Conference on “Latest Trends in Materials and Mechanical Engineering (LTIMME 22)” on 28.04.2022.
- (2) Published a paper in a National conference conducted at NIT on 22.12.2021.

Conferences / Seminars / Workshops / FDP/Refresher Courses organized :

- (1) Workshop on IoT in Agriculture , Co-ordinated by Bharathikanna R and Gulja S Nair
- (2) Processing of pulses
- (3) Online session on Data handling techniques
- (4) Spreadsheets for beginners
- (5) Innovations in Food Processing techniques
- (6) Thermal processing of foods

Department of Civil Engineering

Webinars / Workshops Attended / Organized by Faculty

1. Sowmiya JK Attended one week Training Program on “Conditioning Assessment and Strengthening of Structures” organized by Mepco Schlenk Engineering College, Sivakasi from 10.3.2022 – 16.03.2022
2. Sowmiya JK Organized one day webinar on Ground Improvement Techniques in Nehru Institute of Technology on 13.05.2022.
3. Brindha S Attended online Webinar on Ground Improvement Techniques organized by Nehru Institute of Technology on 13.05.2022
4. Arulmozhi Priya Attended one week Training Program on “Conditioning Assessment and Strengthening of Structures” organized by Mepco Schlenk Engineering College, Sivakasi from 10.3.2022 – 16.03.2022
5. Arulmozhi Priya Attended online Webinar on Ground Improvement Techniques organized by Nehru Institute of Technology on 13.05.2022
6. Arulmozhi Priya attended online Advanced Course on “Quality Control and Assessment on Filled Concrete Organized By CSIR-SERC on 03.03.2022 – 04.03.2022
7. Siddharthan P Attended 5 Day International Workshop on “Designing Digitally Robust Research Library from 20.4.2022 – 24.04.2022
8. Madhan P Attended online Webinar on Ground Improvement Techniques organized by Nehru Institute of Technology on 13.05.2022

International Conferences Presented

- 1) Dr.Sivaraja had Presented a Paper Titled “Effect of Neem seed husk Ash on Concrete Strength Properties in 7th International Conference on Science, Engineering and Technology (ICSET – 2022) held Virtually on 28 and 29 April 2022.
- 2) M.Vadivel had Presented a Paper Titled “Compressive Strength of Recycled Aggregate Concrete with Various Percentage of Recycled Aggregate” in 7th International Conference on Science, Engineering and Technology (ICSET – 2022) held Virtually on 28 and 29 April 2022.
- 3) Siddharthan P had Presented a Paper Titled “Effect of Neem seed husk Ash on Concrete Strength Properties in 7th International Conference on Science, Engineering and Technology (ICSET – 2022) held Virtually on 28 and 29 April 2022.

- 4) Sowmiya JK had Presented a Paper titled “Effect of Sheanut shell Ash as a Partial Replacement of Ordinary Portland Cement Mortar” in 7th International Conference on Science, Engineering and Technology (ICSET – 2022) held Virtually on 28 and 29 April 2022.
- 5) Brindha S had Presented a Paper titled “Effect of Sheanut shell Ash as a Partial Replacement of Ordinary Portland Cement Mortar” in 7th International Conference on Science, Engineering and Technology (ICSET – 2022) held Virtually on 28 and 29 April 2022.
- 6) Arulmozhi Priya had Presented a Paper Titled “Compressive Strength of Recycled Aggregate Concrete with Various Percentage of Recycled Aggregate” in 7th International Conference on Science, Engineering and Technology (ICSET – 2022) held Virtually on 28 and 29 April 2022.
- 7) Arulmozhi Priya had Presented a Paper Titled “AI intelligence in the Advancement of Civil Engineering and Technology, in CSIR sponsored two days National Level Conference in ,Development in organic Inorganic halid perovskite materials and its modern Application from 22.12.2021 – 23.12.2021
- 8) Madhan P had Presented a Paper Titled “A Review paper on Micro Bacterial Concrete” in 7th International Conference on Science, Engineering and Technology (ICSET – 2022) held Virtually on 28 and 29 April 2022

Papers Published in International Journals

1. Vadivel M, “A Review Study on Different Properties of Hollow Concrete Blocks”International Journal of Aquatic Science, Issue 1 March 2021.
2. Madhan P, “A Review Study on Different Properties of Hollow Concrete Blocks”International Journal of Aquatic Science, Issue 1 March 2021.
3. Vadivel M, Published a Paper in Titled “investigation on Erosion Control for Different slope conditions in Landslide Mitigation” in International Journal of Aquatic Science VOL 12, Issue 3,on June 2021
4. Madhan P, Published a Paper in Titled “investigation on Erosion Control for Different slope conditions in Landslide Mitigation” in International Journal of Aquatic Science VOL 12, Issue 3,on June 2021

Patents Published Titles:

1. Dr M.Sivaraja Published a Patent under a Title “Sensitivity of Concrete with Cenospheres to Sustainability Indicators”
2. Dr M.Sivaraja Published a Patent under a Title “Monitoring of the corrosion Potential of the Reinforcement of the examined Beams”
3. Dr M.Sivaraja Published a Patent under a Title “Eco Efficient Concrete with Incorporation of Biomass Ash”
4. Dr M.Sivaraja Published a Patent under a Title “A method for determining the fatigue-damaged state of a prestressed reinforced concrete beam”
5. Dr M.Sivaraja Published a Patent under a Title “Innovative Precast Concrete Pavement and Construction Methods to improve the stress characteristics of pavement Structures”
6. Vadivel M Published a Patent under a Title “Monitoring of the Corrosion potential of the Reinforcement of the Examined Beams”

7. Vadivel M Published a Patent under a Title “Smilax Zeylanicalinn fibre Reinforced polymer Composite Manufacturing”
8. Vadivel M Published a Patent under a Title “Method of growing pure and calcium doped zinc Hydrogen phosphate Crystals and its spectral And Thermal Analysis”
9. Vadivel M Published a Patent under a Title “Thermal Analysis Significance and Influence of Cd²⁺ions Doping in ZnHPO₄ Crystals for the growth and its Studies”
10. Madhan P Published a Patent under the Title “ Artificial Intelligence based Video Survellience system Using open CV and Deep Learning
11. Madhan P Published a Patent under the Title “ Dielectric, AC Conduction and Current Voltage Characteristics of PBPC flims and Glass and KCI”.
12. Madhan P Pubished a Patent under the Title “low cost interlocking block using Oyster shell Powder”.
13. Brindha S Published a Patent under a Title “An IOT Based automated Drip Irrigated System by Predicting Weather Condition and Water Requirement in the Field Operator”.

Other Awards :

1. Siddharthan P Awarded as Best Innovative Teacher in the Academic Year 2021-2022 by novel Research Academy, Pondicherry.

Department of Computer Science and Engineering

Dr.S.Pathur Nisha, Professor & Head/CSE

Journal Details

1. Machine learning techniques for the energy and performance improvement in Network-on-Chip(NoC)-IEEE explore
2. Fuel Security system and Management- International Journal of Scientific Research in Engineering and Management

Conference Details

1. Presented a paper entitled "Analysis of Fake Receivers and user access Details" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022
2. Machine learning techniques for the energy and performance improvement in Network-on-Chip(NoC) in 4th International conference on Computing and Communications Technologies (ICCCT)- 16th and 17th December 2021 at Sairam Engineering College, Chennai.

Books/ Book Chapter

1. Book Chapter Title: “Financial Management of SMEs in the Covid Era- Analytical Review related to MSME in India” at ICSSR sponsored Two days online International seminar on MSME &covid19: Challenges, Opportunities and Recovery measures.
2. Book Chapter Title :Analysis on 6G Networks using AI techniques in WSN to improvise Qos DOI: 10.4018/978-1-7998-9636-4.ch018 Book Title: Handbook of Research on Design, Deployment, Automation and Testing Strategies for 6G Mobile Core Network. Chapter 17, ISSN No.: 2327-3305

Patents, Innovation contest & Others.

1. IOT Based remote monitoring and automatic pesticide spraying using agriculture drones Application no. 202241000275 dated :04/02/22

Total: Journal -2 Conference-2 Book/Book Chapter -2 Patent - 1

Dr.M.Duraipandian, Professor, CSE

Journal Details

1. An Efficient Clustering and Deep Learning Based Resource Scheduling for Edge Computing to Integrate Cloud-IoT , Journal Name : Springer-Wireless Personal Communications SCI
2. Virtual Machine Task Classification Using Support Vector Machine and Improved MFO Based Task Scheduling Journal of Xi'an Shiyu University, Natural Science Edition, Vol. 18 Issue 01,pp. 524-539
3. Architecture Based Routing Protocol for Wireless Sensor Networks: A Survey,Journal of Artificial Intelligence Vol.3 Issue.01, pp.1-16

Conference Details

1. Presented a paper entitled submitted paper : "Detecting and eliminating web attacks using input validation method based on PDA" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022.

Books/ Book Chapter

1. Presented a paper titled "A case study on Impact of Digital financial services for MSMEs during COVID-19: Benefits and Risks" at ICSSR sponsored Two days online International seminar on MSME & covid19: Challenges, Opportunities and Recovery measures Organized by MBA department ,Nehru Institute of Technology.

Total: Journal -3 Conference-1 Book/Book Chapter -1

Mrs.L.Nithya, Assistant Professor, CSE

Conference Details

1. Presented a paper entitled "Trust Enhanced Cryptographic role based access control mechanism for cloud using ESMTP" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022.

Books/ Book Chapter

1. Book Chapter Title: "Artificial Intelligence and Machine Learning- Based Security Enforcement Techniques for 6G Communication", Book Title: Handbook of Research on Design, Deployment, Automation and Testing Strategies for 6G Mobile Core Network..Chapter 17, ISSN No.: 2327-3305

Patents, Innovation contest & Others.

1. Smart irrigation system using IOT'S and convolutional neural networks. Application no : 202241012938 Patent Published date : 10.03.2022
2. IOT based smart water monitoring system application no.: 202241027536 Patent Published Date: 27.5.2022.

FDP

1. Attended 5 days online **ATAL - Faculty Development Program** on "Next Generation Applications of Artificial Intelligence and Machine Learning for smart IoT Applications (NXGA – AIM 2021) from 18.10.2021 -22.10.2021 organized by New Horizon College of Engineering.
2. Attended 5 days online **ATAL - Faculty Development Program** on "Robotics" from 08.12.2021 -12.12.2021 organized by KCG College of Technology.
3. Attended 5 days online **ATAL - Faculty Development Program** on "Blockchain" from 15.12.2021 -19.12.2021 organized by The National Institute of Engineering.

NewGen IEDC Start-ups (Selected)

1. Acted as Mentor for the Team of Final CSE Ashik K.V, Athulya N Harindranath G & Praveen G.V for the Project title is “IoT based Smart Water Monitoring System” got selected and Product developed . Patent also Published.

Certificate Course

1. Attended 5 days certificate course on “ Effective Patent Drafting – 2022” conducted by Nehru Group of Institution Technology Business Incubator (NGI TBI) in association with Centre for Intellectual Property Rights (CIPR), Anna University Chennai , from 24/05/2022 – 28/05/2022.

Total: Conference-1 Book/Book Chapter -1 Patent – 1 Published 1-filed

FDP – 3, NewGen IEDC Start-up – 1 ,Certificate Course -1

Mr.V.Satheeswaran, Assistant Professor,CSE

Conference Details

1. Presented a paper entitled " IOT based productivity monitoring and control system for Textile Industry" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022

2. Presented a paper entitled " Designing of MIMO-OFEM for WiMax and designing of FFT/IFFT processor" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022

Books/ Book Chapter

1. Book Chapter Title: “Financial Management of SMEs in the Covid Era- Analytical Review related to MSME in India” at ICSSR sponsored Two days online International seminar on MSME & covid19: Challenges, Opportunities and Recovery measures.

Patents, Innovation contest & Others.

1. Narrow band- IOT based detection & control mechanism for animal & human crossing in railway lines. Application no: 202241002295 Published Date: 28/01/2022

Total: Conference-2 Book/Book Chapter -1 Patent - 1

Mr. K.Arun Patrick, Assistant Professor, CSE

Conference Details

1. Presented a paper entitled " Blocking of Spam mail using K-Means Clustering Algorithm" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022.

2. Presented a paper entitled "Analysis of Fake Receivers and user access Details" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022.

Books/ Book Chapter

1. Book Chapter Title: "Financial Management of SMEs in the Covid Era- Analytical Review related to MSME in India" at ICSSR sponsored Two days online International seminar on MSME & covid19: Challenges, Opportunities and Recovery measures.

Patents, Innovation contest & Others.

1. An Artificial Intelligence Based Water Management System Ensuring Uniform Distribution And Monitoring Water Leakage Application No: 202141036904A Published Date: 20/08/2021

Total: Conference-2 Book/Book Chapter -1 Patent - 1

Mr. V T Krishnaprasath, Assistant Professor, CSE

Journal Details

1. submitted paper : "Detecting and eliminating web attacks using input validation method based on PDA" to International Journal of Computational Intelligence Systems(IJ-CIS).

Conference Details

1. Presented a paper entitled submitted paper : "Detecting and eliminating web attacks using input validation method based on PDA" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022.

Books/ Book Chapter

1. Presented a paper titled "A case study on Impact of Digital financial services for MSMEs during COVID-19: Benefits and Risks" at ICSSR sponsored Two days online International seminar on MSME & covid19: Challenges, Opportunities and Recovery measures Organized by MBA department, Nehru Institute of Technology.
2. Book Chapter Title- "A Processing Method, a System and a Data Storage Medium Focused on Liver Cancer" Book Titled - "Research Trends in Medical Sciences (Volume - 18)". Acceptance Received on March 2022.

Patents, Innovation contest & Others.

1. Categorical radial basis function based neural network architectures to handle categorical and mixed data as inputs. Application no: 202141048085 published date: 22/10/2021
2. Gridnet, a convolutional neural network architecture, designed for the semantic segmentation of images. Application no: 202141053477 published date: 21/11/2021.
3. Design and implementation for locating files infected with viruses and other malware in different locations in a big data system, application no: 202211004345, published date: 26/01/2022.

Total: Journal -1(Under Review) Conference-1 Book/Book Chapter -2 Patent - 3

Mr.T.Palani Raja, Assistant Professor,CSE

Conference Details

1. Presented a paper entitled " Blocking of Spam mail using K-Means Clustering Algorithm" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022.
2. Presented a paper entitled "Analysis of Fake Receivers and user access Details" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022.
3. Presented a paper titled "The Future in Health care Industry Medical Chatbot Using Artificial Intelligence" in International Conference on Latest Trends in Science Engineering and Technology.

Books/ Book Chapter

1. Book Chapter Title: "Financial Management of SMEs in the Covid Era- Analytical Review related to MSME in India" at ICSSR sponsored Two days online International seminar on MSME &covid19: Challenges, Opportunities and Recovery measures.

Patents, Innovation contest & Others.

- 1.Smart irrigaton system using IOT'S and convolutional neural networks. Application no : 202241012938 published date : 10.03.2022

FDP

1. Attended 5 days online **Faculty Development Program** on "Emerging Research Trends in Computer Science" from 01.03.2022 -05.03.2022 organized by JCT College of Engineering and Technology

Total: Conference-3 Book/Book Chapter -1 Patent – 1 FDP-1

Mr.S.Raja, Assistant Professor,CSE

Conference Details

1. Presented a paper entitled " IOT based productivity monitoring and control system for Textile Industry" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022
2. Presented a paper entitled " Designing of MIMO-OFEM for WiMax and designing of FFT/IFFT processor" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022

Total: Conference-2

Mrs.R.Vijaya, Assistant Professor,CSE

Conference Details

1. Presented a paper entitled "Trust Enhanced Cryptographic role based access control mechanism for cloud using ESMTTP" at 7th International Conference on Science, Engineering and Technology (ICSET-2022) on 28th and 29th April 2022.

Total: Conference-1

Department of Food Technology

Webinars / Workshops Attended / Organized

1. Mohammed Raffic N attended two days online workshop on "3D Printing Solution for Medical Innovations (3DPSMI – 2021)" conducted by Department of Mechanical Engineering, National Institute of Technology in collaboration with MVRCCRI Calicut from 17/07/201 – 18/07/2021.
2. Mohammed Raffic N Presented a webinar titled as "Introduction to Additive Manufacturing" for the students of Mechanical Engineering, JCT Polytechnic - Coimbatore on 14th May 2022.
3. Shinduja V acted as a resource person for the online webinar conducted under the topic "Safe Natural Sweetener" on 17th July 2021 for the students of B.Tech Food Technology and B.E Agriculture Engineering of NIT, Coimbatore.
4. Shinduja V acted as a resource person for the online webinar conducted under the topic "Job Opportunities for Food Technology Graduate." On 15th June 2021 for the students of B.Tech Food Technology and B.E Agriculture Engineering of NIT, Coimbatore
5. Shinduja V Organized webinar titled "IPR in Food Sector" on 10.07.2021
6. Shinduja V Organized webinar titled "Safe Natural Sweeteners" on 17.07.2021
7. Shinduja V Organized webinar titled "Research aspects in Food Science and Technology" on 19.07.2021
8. Shinduja V Organized webinar titled "Product Developer Tool kit" on 5.06.2021
9. Shinduja V Organized Awareness camp on Food Adulteration on 29.11.2021
10. Shinduja V Organized National Science Day 2022 Contest-Quiz Competition on 28.02.2022.
11. Abhirami P acted as resource person for "Overview of Food Additives and its safety" at Nehru Institute of Technology on 25.04.2021
12. Abhirami P acted as resource person Introduction to Hazard Analysis Critical Control Point at Nehru Institute of Technology on 29.05.2021
13. Abhirami P acted as resource person Indian Knowledge System, Language, Arts and Culture at Nehru Institute of Technology on 05.08.2021.
14. Abhirami P organized Webinar – Dairy Entrepreneurship: Opportunities and Challenges- Online -01.06.2021- NIT, Kaliyapuram
15. Abhirami P organized Webinar – Awareness Campaign: Covid 19 Vaccination- 03.06.2021- Online- NIT, Kaliyapuram
16. Abhirami P organized Webinar – How to set up your own food industry- 12.06.2021 - 13.06.2021-Online- NIT, Kaliyapuram
17. Abhirami P organized Webinar – An overview to Food Safety Management System Standards-10.06.2021-Online- NIT, Kaliyapuram
18. Abhirami P organized Webinar – Nutrition Care in Covid 19 : Enhancing Immunity- 09.07.2021-Online- NIT, Kaliyapuram
19. Abhirami P organized Webinar- Entrepreneurial Opportunities in Food Processing- 24.07.2021-Online- NIT, Kaliyapuram
20. Abhirami P organized Workshop – IOT in Agriculture - 8.01.2021-Offline- NIT, Kaliyapuram

21. Abhirami P organized Hands on bakery development – 06.06.202 – Offline - NIT, Kaliyapuram
22. Abhirami P organized World Food Safety Poster competition/ Quiz Competition – 07.06.2022

International Conferences Presented

- 1) Dr.S.Thirumurugaveerakumar , S.Srinivasan , N.Mohammed Raffic Dr.K.Ganesh Babu,“Experimental Investigation on Turning Process Parameters for AA7075 by Taguchi’s Orthogonal Array”, International Conference on Materials Research in Science and Engineering (KMRSE’21) 23rd to 25th July 2021 (Virtual Mode). (Accepted for Publication with AIP Conference Proceedings, SCOPUS Indexed).
- 2) Rajasekaran Saminathan , Mohammed Raffic.N , Ganesh Babu , H.Hadidi , Mohammed Tharwan Yahya Ali Fageehi , Ali Alnujaie “Validation Of Archimedes Method And Acid Dissolution Test For Volume Fraction Determination Of Aluminum Alloy Composites Reinforced with Ceramic Particles” , ICAMS 2021. (Accepted for Publication with Key Engineering Materials – SCOPUS Indexed)
- 3) N.Mohammed Raffic , Raja Subramaniam V , “Review on Design and CFD Analysis of Intake Manifold Port For Increasing Engine Performance” , International Conference on Science, Engineering and Technology (ICSET-2022) on 28th April and 29th April 2022 at Nehru Institute of Engineering and Technology. (Presented in Conference).
- 4) Abhirami P “Incorporation of Nano materials in Food Packaging -National level conference –Development in Organic – Inorganic Halide Perovskite Materials and its modern application (22nd and 23rd December 2021)
- 5) Abhirami P “Recent Developments in Food Fortification” – International Level – 7th International conference on Science, Engineering and Technology (ICSET-2022)
- 6) Abhirami P “Preparation of herbal healthy drink from Clitoria ternatea (Butterfly pea) and Hibiscus rosa-sinensis (Hibiscus) flower petals” - International Conference on Sustainable Approaches in Food Engineering and Technology (24th and 25th June 2021)
- 7) Raja Subramaniam v “Antibiotic resistance & virulence genes in enterococcus species isolated from raw and processed sea foods” CSIR sponsored two days national level conference on “development in organic-inorganic halide perovskite materials and its modern applications” on 22nd and 23rd december organized by s&h nit
- 8) Raja Subramaniam v “control of post harvest storage losses in water chestnut (trap bispinosa roxburg) fruits by natural functional herbal coating and gamma radiation processing” , National conference on chemical environment, energy and engineering research-2021, Arasu engineering college

Papers Published in International Journals

1. Mohammed Raffic N , Ganesh Babu.K , Shinilnath.M , Allocious Britto Rajkumar , Radhakrishnan.S , “ Contribution of Experimental Design and Multi Response Optimization Techniques To Optimize Diesel Engine Design And Operating

Variables”, Vidyabharati International Interdisciplinary Research Journal (Special Issue), November 2021.

2. Mohammed Raffic N , Ganesh Babu K, Rajasekaran Saminathan , Afaf M. Babeer , Hadidi H. , Akshay Y.P. , “Experimental investigation on compression strength of EPOXY/PVC blend with different fibre glass reinforcements” , Materials Today : Proceedings , August 2021.
3. Mohammed Raffic .N , Dr.Ganesh Babu .K , Raja Subramaniam V , Athisaya Sagaya Rajan A , “A Review on Composite Filaments for Fused Deposition Modeling Process” , International Research Journal of Engineering and Technology (IRJET) , Volume 9 , Issue 5 , May 2022.
4. ShindujaVetriselvan, Lokeshwari, R.K. Vigneswari, Ashok Vajravelu andJeganathan M “Production of Stevia-Derived Sweetener: A Review”International Journal of Advanced Research in Engineering and Technology (IJARET). 2021.
5. ShindujaVetriselvan, Abirami A, Mary Sandhya, Usha Antony, ”Enhanced stevioside extraction from stevia rebaudiana leaves using cellulase and xylanase” Journal of Microbiology, Biotechnology and Food Sciences(Under Review)
6. Abhirami P Published an article titled as “The impeccable applications of LASER Technology in Food Processing: An Overview”
7. Abhirami P Published an article titled as Gucchi mushrooms: A royal treat from the Himalayas

Patents Published Titles:

1. Mohammed Raffic N published a patent under the title “Significance and Influence of Cd²⁺ ions doping in ZnHPO₄ Crystals for the growth and its studies”.
2. Mohammed Raffic N published a patent under the title “Photoluminescence and Photo conduction properties of Vacuum evaporated lead Phthalocyanine thin films on glass and KCI substrate”. .
3. Indhu S, Shinduja, V, Jeevitha S, Deepika A, “Health Drink Incorporated with Natural Sweetener” Published (Under examination) Application No: 202241027411.
4. Abhirami P published a patent under the title Antimicrobial nano particles to prevent food spoilage in refrigeration system.
5. Raja subramaniam V published a patent under the title Smart Irrigation System Using IoT’s And Convolutional Neural Networks on 04.02.2022
6. Raja subramaniam V published a patent under the title “Smart Irrigation System Using IoT’s And Convolutional Neural Networks04.02.2022

Mohammed Raffic N - Peer Reviewer Positions in Reputed Journals and Conferences

1. Materials Today Proceedings – Elsevier
2. Advances in Science, Technology and Engineering Systems Journal
3. World Journal of Engineering and Technology
4. Materials Science and Applications

5. Acting as Peer Reviewer for “Fourth International Conference on Materials Science and Manufacturing Technology (ICMSMT 2022)” and “Second Global Conference on Recent Developments in Computer and Communication Technologies (GC-RDCT 2022)”

Science And Humanities (S & H)

Programs Organized by the Department:

1. Organized International Conference On Current Trends in Material Science and Technology on 26/07/2021
2. Conducted Six Day Online Faculty Development Program on “innovations in energy and applied chemistry” from 23/08/2021 to 28/08/2021.
3. We have organized Six Days FDP on Emerging Research Trends in Applied Science & Technology from 21/09/2021 to 27/09/2021.
4. We have organized National Level Conference on “Energy, Environment & Materials (NCRRM-2021) on 28/09/2021.
5. We have celebrated Fresher’s day For First year students on 08.11.2021.
6. We have inaugurated Science club on 9/12/2021.
7. We have conducted CSIR Sponsored Two days National Level Conference on Development in Organic-Inorganic Halide Perovskite materials and its modern applications from 22/12/2021 to 23/12/2021.
8. We have inaugurated Personality development club on 28/12/2021.
9. We have inaugurated Srinivasa Ramanujan Mathematics Club on 29/12/2021.
10. We have organized CSIR Sponsored Two Day Virtual National Level Seminar on “Ophthalmic Drug Delivery: Current Innovations and Future Challenges” 23/02/2022 & 24/02/2022.
11. We have organized CSIR sponsored Two days National Level seminar on Current Trends in Quantum Computing and Integrated Layered Materials: Modern Energy Technologies from 5/5/2022 to 06/05/2022.
12. Guest Lecture on Nanomaterials: On track for a Sustainable Future on 24/05/22.
13. National Level Students Technical Symposium-CHAKRAVYUHA-2022 on 27/05/2022.

Journal Publications:

1. Dr.M.Kumaresan Published two papers in Scopus Indexed Infokara Research Journal
2. Dr S Sundaram, Assistant Professor , Department of Science & Humanities (Physics) has published a paper entitled “Experimental and Computational (DFT) Methods: Exploration of Thermochromism in Homophthalic acid and 4-N-Alkyloxybenzoic acid comprised Hydrogen Bond Liquid Crystals”, Molecular Crystal and liquid Crystal, 2022 (Annexure – I)
3. Dr S Sundaram, Assistant Professor , Department of Science & Humanities (Physics) has published a paper entitled “ Optical and thermal studies on binary liquid crystal mixture”, Nanoscale Reports, 2021.
4. Dr.T.Jayaprakash Published a paper in Scopus Indexed International Journal of Electrical Engineering & Technology
5. Dr T Jayaprakash, Professor, Department of Science & Humanities (Physics) has published a paper entitled “ Optical and thermal studies on binary liquid crystal mixture”, Nanoscale Reports, 2021.

6. Dr. V. Mohankumar, AP/S&H (Physics) has published a paper entitled “Crystal growth and characterization of 2-amino-6-methylpyridinium p-chlorobenzoatedihydrate singlecrystal: a novel third-order nonlinear optical materialfor optoelectronic applications” Journal of Materials Science: Materials in Electronics(Annexure – I)

Book Publications and Patents:

1. Dr.M.Kumaresan Published 7 patents in Indian Patent Journals
2. Dr.K.Parimalagandhi Published 1 patent in Indian Patent Journal.
3. Dr.T.Jayaprakash Published 8 patents in Indian Patent Journals
4. Dr.N.Vithya Published 1 patent in Indian Patent Journal
5. Dr. K. Parimala gandhi Published the book chapter titled "Health Benefits of Polyphenolic Compounds and its Extraction Methods" in Advanced Research in Chemistry (Volume - 1) pp. 773-88, 2021.
6. Dr. K. Parimala gandhi Published the book chapter titled Comparative Study of 1-Hydroxy 2- Naphthoate Complexes of Transition and Inner Transition Metals with Hydrazine" in the Research and Innovations in Chemical Sciences: An Approach towards Qualitative and Quantitative Studies and Applications", pp-244-2251, 2021.
7. Dr.T.Saranya, Published a Book Chapter for Career development.
8. Dr S Sundaram, Published a Book Chapter Gamma Ray exposed novel supramolecular Hydrogen bonded liquid crystals for electro – optic devices. Text book on Novel materials for Emerging Applications, Shanlax Publications, Madurai.

Conferences/Seminars/Workshops/FDP/Refresher Courses Presented:

1. Dr.M.Kumaresan presented a paper entitled Control Of Post-Harvest Storage Losses In Water Chestnut (Trapa Bispinosa Roxburg) Fruits By Natural Functional Herbal Coating And Gamma Radiation Processing, in CSIR Sponsored National Conference on Chemical, Environment, Energy and Engineering Research (NCCEEER – 2021), Arasu Engineering College, Kumbakonam
2. Dr.M.Kumaresan presented a paper entitled Dyeing Of Cotton Fabric With Eco-Friendly Natural Dye Obtained From Tecoma Capensis Using Combination Of Mordants in CSIR Sponsored National Conference on Chemical, Environment, Energy and Engineering Research (NCCEEER – 2021), Arasu Engineering College, Kumbakonam
3. Dr.K.Parimalagandhi presented a paper in the international conference on role of nano- La_2O_3 and their applications as medical and photocatalyst: a review at PPG College of Arts and Science, Coimbatore, conducted from 20/4/21 to 21/4/2021.
4. Dr.K.Parimalagandhi presented a paper in the national conference on Antibacterial and antifungal activity of La_2O_3 Nano Particles – Overview at Karpagam Academy of Higher Education, Coimbatore-21 on 17/5/2021.

5. Dr.K.Parimalagandhi presented a paper in the international conference on Thermal Studies on Isomeric Naphthoate Complexes of Transition and Inner Transition Metals with Neutral Hydrazine at Nehru Institute of Technology, Coimbatore on 26.07.2021.
6. Dr.K.Parimalagandhi presented a paper in the international conference on Thermal studies on 2- naphthoxy acetic acid complexes of Transition and inner transition metals with neutral hydrazine at Nehru Institute of Technology, Coimbatore on 28.09.2021.
7. Dr.K.Parimalagandhi presented a paper in the international conference on Bacterial Toxicity of Lanthanum oxide Nanoparticles, Saranathan College of Engineering, Trichy on 20.09.2021& 21.09.2021.
8. Dr.K.Parimalagandhi presented a paper in the national conference on Antibacterial and antifungal activity of La_2O_3 Nano Particles – Overview at Karpagam Academy of Higher Education, Coimbatore on 17/05/2021
9. Dr.K.Parimalagandhi presented a paper in the international conference on Studies on Metal Hydroxy Compounds: Thermal Analysis, Decomposition Kinetics and Infrared Spectra of Hydrazine Lanthanum (III) 2-Hydroxy-1-Naphthoate at St. Joseph College of Arts and Science for Women, Salem on 28/02/2022.
10. Dr.K.Parimalagandhi presented a paper in the international conference on Decomposition kinetics studies on metal hydroxy naphthoate compounds at Nehru Institute of Engineering & Technology, Coimbatore on 08/04/2022- 09/04/2022.
11. Dr.K.Parimalagandhi presented a paper in the international conference on Decomposition kinetics studies on metal hydroxy naphthoate at Nehru Institute of Engineering and Technology, Coimbatore on 28/05/2022- 29/05/2022
12. Dr.K.Parimalagandhi presented a paper in the national conference on Emerging Trends in Engineering Science 2022 at Karpagam Academy of Higher Education, Coimbatore on 27/05/2022.
13. Dr T Jayaprakash, Professor , Department of Science & Humanities (Physics) presented paper FMO and MEP analysis of HBLC complex (HPA:12OBA), in the one day 1st online international conference on Material Science and Nanotechnology (ICMSN-2022) organized by Depttment of Physics, St.Joseph College of Arts and Science for Women, Salem held on 28th Februry 2022.
14. Dr T Jayaprakash, Professor, Department of Science & Humanities (Physics) presented paper, “Optical and Thermal studies on Binary liquid crystal complexes”, International Conference on Recent Innovations in Science, Engineering and Technology-ICRISET-2021, Jeppiaar Institute of Technology, Sriperumbudur, 30-31 July 2021.
15. Dr T Jayaprakash, Professor, Department of Science & Humanities (Physics) presented paper,
16. “DFT studies on pure and calcium doped Zinc Hydrogen Phosphate”,International Conference on Recent Innovations in Science, Engineering and Technology-ICRISET-2021, Jeppiaar Institute of Technology, Sriperumbudur, 30-31 July 2021.
17. Dr T Jayaprakash, Professor, Department of Science & Humanities (Physics) presented paper, ‘Theoretical Studies on Pure and Cadmium doped Zinc Hydrogen Phosphate’, One day Virtual International Conference on “Current Trends in Materila Science and

Technology (CTMST-2021)”,Nehru Institute of Technology, Coimbatore, 26th July 2021.

18. Dr T Jayaprakash, Professor, Department of Science & Humanities (Physics) presented paper, “Effect of Hydrogen Bond on Mesomorphic Phases of Binary Liquid Crystal Complexes”, One day Virtual International Conference on “Current Trends in Material Science and Technology (CTMST-2021)”,Nehru Institute of Technology, Coimbatore, 26th July 2021.
19. Dr T Jayaprakash, Professor, Department of Science & Humanities (Physics) presented paper “Experimental and Computational (DFT) methods:Identification of thermochromism and Induced Smectic phase in hydrogen bonded liquid crystal”,2nd International symposium on Modeling of crystal growth process and devices, SSN Research Centre, SSN Institutions, Chennai, 5-8 July 2021.
20. Dr T Jayaprakash, Professor, Department of Science & Humanities (Physics) presented paper, Optical and thermal studies on binary liquid crystal mixture, paper on International virtual conference on energy conversion and storage, Department of Physics, PPG college of Arts& Science , Coimbatore,20-21 April-2021.
21. Dr T Jayaprakash, Professor, Department of Science & Humanities (Physics) presented paper,Theoretical investigation (DFT) on H-bonded binary liquid crystal mixture (4MCA:6OBA) ,12th Biennial National Conference of Physics Academy of North East (PANE2021)Department of Physics, Tripura University, Tripura, 15-17 December 2021.
22. Dr T Jayaprakash, Professor, Department of Science & Humanities (Physics) presented paper, ‘Density Functional Theory, HOMO-LUMO, Molecular Electrostatic Potential and Natural Bond Orbital Analyses on the Intermolecular Hydrogen Bonding Interactions in 4-Nitroaniline and 4-Octyloxybenzoic acid Liquid Crystal complexes’, DAE Symposium on Current Trends in Theoretical Chemistry (CTTC-2020), September 23-25, 2021, Chemistry Division, Bhabha Atomic Research Centre, Mumbai.
23. Dr T Jayaprakash, Professor, Department of Science & Humanities (Physics) presented paper, “Preparation and Characterization Of Thermochromic Hydrogen Bonded Liquid Crystal Complex”, National conference on emerging trends in engineering science-NCETES’21, Department of Science & Humanities, Karpagam Academy of higher education, Coimbatore,17-05-2021
24. Dr.N.Vithya, ASP/S&H (Mathematics) has attended and presented a paper title on “Application of Mathematics in Daily Life” at International Conference on science, Engineering and Technology organized by Nehru Institute of Engineering &Technology, Coimbatore
25. Dr S Sundaram, Assistant Professor , Department of Science & Humanities (Physics) presented paper FMO and MEP analysis of HBLC complex (HPA:12OBA), in the one day 1st online international conference on Material Science and Nanotechnology (ICMSN-2022) organized by Department of Physics, St.Joseph College of Arts and Science for Women, Salem held on 28th February 2022.

- 26.** Dr S Sundaram, Assistant Professor , Department of Science & Humanities (Physics) presented paper, “Optical and Thermal studies on Binary liquid crystal complexes”, International Conference on Recent Innovations in Science, Engineering and Technology-ICRISET-2021, Jeppiaar Institute of Technology, Sriperumbudur, 30-31 July 2021.
- 27.** Dr S Sundaram, Assistant Professor , Department of Science & Humanities (Physics) presented paper, “DFT studies on pure and calcium doped Zinc Hydrogen Phosphate”, International Conference on Recent Innovations in Science, Engineering and Technology-ICRISET-2021, Jeppiaar Institute of Technology, Sriperumbudur, 30-31 July 2021.
- 28.** Dr S Sundaram, Assistant Professor , Department of Science & Humanities (Physics) presented paper, ”Theoretical Studies on Pure and Cadmium doped Zinc Hydrogen Phosphate”, One day Virtual International Conference on “Current Trends in Materials Science and Technology (CTMST-2021)”, Nehru Institute of Technology, Coimbatore, 26th July 2021.
- 29.** Dr S Sundaram, Assistant Professor , Department of Science & Humanities (Physics) presented paper, “Effect of Hydrogen Bond on Mesomorphic Phases of Binary Liquid Crystal Complexes”, One day Virtual International Conference on “Current Trends in Materials Science and Technology (CTMST-2021)”, Nehru Institute of Technology, Coimbatore, 26th July 2021.
- 30.** Dr S Sundaram, Assistant Professor , Department of Science & Humanities (Physics) presented paper “Experimental and Computational (DFT) methods: Identification of thermochromism and Induced Smectic phase in hydrogen bonded liquid crystal”, 2nd International symposium on Modeling of crystal growth process and devices, SSN Research Centre, SSN Institutions, Chennai, 5-8 July 2021.
- 31.** Dr S Sundaram, Assistant Professor , Department of Science & Humanities (Physics) presented paper, Optical and thermal studies on binary liquid crystal mixture, paper on International virtual conference on energy conversion and storage, Department of Physics, PPG college of Arts & Science , Coimbatore, 20-21 April-2021.
- 32.** Dr S Sundaram, Assistant Professor , Department of Science & Humanities (Physics) presented paper, Theoretical investigation (DFT) on H-bonded binary liquid crystal mixture (4MCA:6OBA) , 12th Biennial National Conference of Physics Academy of North East (PANE2021) Department of Physics, Tripura University, Tripura, 15-17 December 2021.
- 33.** Dr S Sundaram, Assistant Professor , Department of Science & Humanities (Physics) presented paper, ‘Density Functional Theory, HOMO-LUMO, Molecular Electrostatic Potential and Natural Bond Orbital Analyses on the Intermolecular Hydrogen Bonding Interactions in 4-Nitroaniline and 4-Octyloxybenzoic acid Liquid Crystal complexes’, DAE Symposium on Current Trends in Theoretical Chemistry (CTTC-2020), September 23-25, 2021, Chemistry Division, Bhabha Atomic Research Centre, Mumbai

34. Dr S Sundaram, Assistant Professor , Department of Science & Humanities (Physics) presented paper, “Preparation and Characterization Of Thermochromic Hydrogen Bonded Liquid Crystal Complex”, National conference on emerging trends in engineering science-NCETES’21, Department of Science & Humanities, Karpagam Academy of higher education, Coimbatore,17-05-2021.
35. Dr.V.Mohankumar, AP/S&H (Physics) has presented a paper entitled “Carbazole and Phenothiazine dyes for Solar CellApplication: A Density Functional Theory Approach” and won BEST PAPER AWARD in 2nd Virtual International Conference on Hierarchically Structured Materials (ICHSM 2022), 24-25th March 2022, 2nd Virtual International Conference on Hierarchically Structured Materials (ICHSM 2022), Organized by Department of Physics, SRM Institute of Science and Technology, Ramapuram Campus, Chennai.
36. Dr.T.Saranya, AP/S&H (English) has attended and presented a paper title on “Ruskin Bond – A man of Imagination ” at International Conference on science, Engineering and Technology organized by Nehru Institute of Engineering&Technology, Coimbatore.
37. Prof.S.Amali Theresa, Assistant Professor , Department of Science & Humanities (Maths) has attended and presented a paper title on “Application of Mathematics in Daily Life” at International Conference on science, Engineering and Technology organized by Nehru Institute of Engineering &Technology, Coimbatore
38. Prof. M.Gowri Manohari, Assistant Professor , Department of Science & Humanities (Maths) has attended and presented a paper title on Application of Mathematics in Daily Life” at International Conference on science, Engineering and Technology organized by Nehru Institute of Engineering &Technology, Coimbatore
39. S. Arivumani, AP/S&H (Mathematics) has attended and presented a paper title on “Application of Mathematics in Daily Life” at International Conference on science, Engineering and Technology organized by Nehru Institute of Engineering &Technology, Coimbatore.
40. Prof.J.Brindhadevi, AP/S&H (English) has attended and presented a paper title on “Ruskin Bond – A man of Imagination ” at International Conference on science, Engineering and Technology organized by Nehru Institute of Engineering &Technology, Coimbatore.

MBA

Dr. S. Naganandhini

Journal, Book Publications and Patent

1. Paper Published in Journal: Vidyabharati International Interdisciplinary Research Journal (Web of Science) Title: Service Quality Gap Analysis: Evident From Supermarkets in Puducherry Authors: B.Thirumoorthi, Priya K. , S. Naganandini and N. Subha
ISSN NO 2319-4979
2. Book Published: “Activity Based Learning for Management Education” published by Trueline Publisher. ISBN NO:978-93-91977-05-04

3. Book Chapter on the topic “ E- CONTENT TOOLS FOR TEACHING AND LEARNING IN A HIGHER EDUCATION SYSTEM: A REVIEW” and book entitled “New Trends in Higher Education and emergence of Smart Teachers”. ISBN NO:978-81-952314-07-08
4. **Patent Published:** 1) A System And Method Of Autocon-Iot Online Conformance Testing For Iot Applications
2) Method of Defining the Job Lucidity in a Company for Better performance
Grant Received

- ICSSR -SRC Seminar Grant Rs 38,000

Conference/Workshop/Seminars/FDP/Refresher Courses Attended

- Presented a paper entitled on “Financial Literacy of Scheduled Tribes in FinTech Era: An Empirical Study” in the Virtual National Conference held on 29 December 2021 at School of Management Studies (SMS), Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu.
- Presented a paper titled Impact of Work from home during COVID-19 on Employee Productivity and Job satisfaction: An Empirical Study at Lakshmigrha Enterprises, Coimbatore in the International Conference on Commerce, Management & Interdisciplinary Subjects (ICCMIS) organized by the Department of Commerce and International Business, School of Business Studies, Central University of Kerala, held on 28-29 October 2021.
- Presented a paper entitled on “Effect of Macro Economic Variable on financial Performance of Aviation Industries in India” in the International Conference held on 12th April 2022 at Nehru College of Aeronautical and Applied Sciences, Coimbatore.
- Presented a paper entitled on “Digital Marketing: Drivers for the Development of Indian Agricultural Sector in Digital Era” in the International Conference held on 15th Dec 2021 at Nehru Arts and Science College, Coimbatore.
- Presented a paper entitled on “The Social Media Network Marketing in India” in the 7th International Conference held on 28th and 29th April 2022 at Nehru Institute of Engineering and Technology, Coimbatore.

Resource Person

- Orientation Programme on “Connecting the class room to corporate” for 2021 - 2024 batch BBA students of Nehru College of Aeronautics and Applied Science on 21st Aug 2021.
- Orientation Programme on “Great Thoughts Leads to Grand Success” for 2021 - 2023 batch MBA students of Nehru College of Aeronautics and Applied Science on 1st Oct 2021.
- Orientation Programme on “Discipline your Mind” for 2021 - 2023 batch students of Nehru College of Management on 8th Oct 2021
- Orientation Programme on “Discipline your Thoughts” for 2021 - 2025 batch BE students of Nehru Institute of Engineering & Technology on 11th Oct 2021
- Acted as a resource person on the topic “Fine tune your Mind” for BBA Students of VLB Janakiammal College of Arts and Science on 15th Nov 2021
- Acted as a resource person on the topic “Work Life Balance and Interpersonal Skills” for Staff Members of Bull Machines Private limited Plant 2, Kangayam, Coimbatore on 16th Nov 2021
- Acted as a resource person on the topic “Fine Tune Your Thoughts” B Com Students of SCMS School of Technology and Management, Kottayam Kerala, on 17th Nov 2021
- Acted as a resource person for UG Final Year Students of Nehru Arts and Science College on the topic “Campus to corporate” on 20th April 2022.
- Acted as A Resource Person for Faculty Development programme organized by Nehru International School, Coimbatore on 24th May 2022.

- Acted as a resource person for UG Final Year Students of Nehru Arts and Science College on the topic “Innovation and Start-up Ecosystem Enablers” on 30th May 2022.
- Acted as a paper presentation session chair for International Conference organized by Nehru College of Management on 22nd April 2022.
- Acted as a resource person on the topic “Fine Tune Your Goal” for UG Students in Suguna College of Arts and Science, Coimbatore on 22nd April 2022.
- Acted as a resource person for NSA Accords organized by Nehru School of Architecture on 7th March 2022.

Mrs. N. Subha

Journal, Book Publications and Patent

- Vidyabharati International Interdisciplinary Research Journal (Web Of Science)

Title: Service Quality Gap Analysis: Evident From Supermarkets in Puducherry

Authors: B.Thirumoorthi, Priya K. , S. Naganandini and N. Subha

ISSN NO 2319-4979

- Book Chapter on the topic “ E- CONTENT TOOLS FOR TEACHING AND LEARNING IN A HIGHER EDUCATION SYSTEM: A REVIEW” and book entitled “New Trends in Higher Education and emergence of Smart Teachers”. ISBN NO:978-81-952314-07-08

Patent Published : SEM-BASED RESEARCH ON INTEGRATION BETWEEN PROJECT MANAGEMENT AND SUPPLIER MANAGEMENT

Conference/Workshop/Seminars/FDP/Refresher Courses Attended

- Presented a paper entitled on “The Social Media Network Marketing in India” in the 7th International Conference held on 28th and 29th April 2022 at Nehru Institute of Engineering and Technology, Coimbatore.
- Presented a paper entitled on The impact of customer relationship management in customer Retention ‘Enterprise Management And Business Intelligence’, October 8 & 9, 2021, Department Of Management Studies, Dr.N.G.P. Institute Of Technology
- Presented a paper entitled on A study of neuromarketing as business strategy(with special reference to consumer products ‘Human Values and BizTech at the Crossroads’, 24th July 2021,Anekant Institute of Management Studies (AIMS), Baramati Super App Salt-To- Software Conglomerate By TAT Commerce, Management, Interdisciplinary Subjects, 28-29 October 2021 ,Central University of Kerala
- Presented a paper entitled on A study of neuromarketing as business strategy(with special reference to consumer products ‘Human Values and BizTech at the Crossroads’, 24th July 2021,Anekant Institute of Management Studies (AIMS), Baramati
- Presented a paper entitled on Neuromarketing The New Science Of Consumer Behavior. Dynamics of Emerging Business Innovation and Trends – Academia Industry Role, January 7-8, 2022 ,Department of Commerce and Financial Studies Bharathidasan University
- Presented a paper entitled on An Airline Management Strategies in a Competitive Air Transport Market Sustainability growth and development in Aviation Industry,12th April, 2022, Nehru College of Aeronautics and Applied Science
- Presented a paper entitled on Consumer Behaviour towards FMCG products Metamorphosis of Modern Management and Research ,29 December 2021, School of Management Studies (SMS), Bannari Amman Institute of Technology, Sathyamangalam,
- Presented a paper entitled on A Study of Container Handling Challenges and Adoption of Improved ReHandling Strategies for the Container Retrieval Process

During the Pandemic Period "Building Resilience: Management Practices Of 'New Normal' Era" , 27th November 2021, Delhi Institute of Advanced Studies

- Presented a paper entitled on The Impact Of Customer Relationship Management In Customer Retention 'Enterprise Management And Business Intelligence', October 8 & 9, 2021 , Department Of Management Studies, Dr.N.G.P. Institute Of Technology.

Resource Person

Acted as resource Person for the topic Entrepreneurship and Innovation as Career Opportunity in Sree Narayana Guru College, Coimbatore on 29.11.2021.

Mr. B. Thirumoorthi

Journal, Book Publications and Patent

- Vidyabharati International Interdisciplinary Research Journal (Web Of Science)

Title: Service Quality Gap Analysis: Evident From Supermarkets in Puducherry

Authors: B.Thirumoorthi, Priya K. , S. Naganandini and N. Subha

ISSN NO 2319-4979

- Book Chapter on the topic “ E- CONTENT TOOLS FOR TEACHING AND LEARNING IN A HIGHER EDUCATION SYSTEM: A REVIEW” and book entitled “New Trends in Higher Education and emergence of Smart Teachers”. ISBN NO:978-81-952314-07-08
- Patent Published: 1) A System And Method Of Autocon - Iot Online Conformance Testing For Iot Applications

Resource Person

- Acted as A Resource Person for Faculty Development programme organized by Nehru International School, Coimbatore on 24th May 2022.
- Acted as a resource person for UG Final Year Students of Nehru Arts and Science College on the topic “Campus to corporate” on 20th April 2022.
- Acted as a resource person on the topic “Fine Tune Your Goal” for UG Students in Suguna College of Arts and Science, Coimbatore on 22nd April 2022.
- Acted as a resource person on the topic “Fine tune your Mind” for BBA Students of VLB Janakiammal College of Arts and Science on 15th Nov 2021
- Acted as a resource person on Orientation Programme Convince Yourself Conviction to Do Nehru Institute of Engineering & Technology on 11th Oct 2021
- Acted as a resource person on Orientation Programme Determination decides your Destination Nehru College of Aeronautics and Applied Science on 1st Oct 2021
- Acted as a resource person on Orientation Programme A Roadmap for Entrepreneurial Success Sri Ramakrishna Engineering College, Coimbatore on 22.01.2022

Conference/Workshop/Seminars/FDP/Refresher Courses Attended

- Presented a paper titled Impact of Work from home during COVID-19 on Employee Productivity and Job satisfaction: An Empirical Study at Lakshmigrha Enterprises, Coimbatore in the International Conference on Commerce, Management & Interdisciplinary Subjects (ICCMIS) organized by the Department of Commerce and International Business, School of Business Studies, Central University of Kerala, held on 28-29 October 2021.
- Presented a paper entitled on “The Social Media Network Marketing in India” in the 7th International Conference held on 28th and 29th April 2022 at Nehru Institute of Engineering and Technology, Coimbatore.
- Presented a paper entitled on Cognitive Dissonance and its impact on Consumer Buying Behaviour Emerging Trends in Digital Revolution, 5th March 2021, Association with ICT Academy, held at Sankara College of Science and Commerce

Dr. C. Hariharan

Research and Development

- ICSSR -SRC Seminar Grant Rs 38,000 received for organizing Two Days International Online Seminar on MSMEs and COVID-19: The Opportunities, Challenges and Recovery Measures.

Conference/Workshop/Seminars/FDP/Refresher Courses Attended

- Presented a paper entitled on “Financial Literacy of Scheduled Tribes in FinTech Era: An Empirical Study” in the Virtual National Conference held on 29 December 2021 at School of Management Studies (SMS), Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu.
- Presented a paper entitled on “Effect of Macro Economic Variable on financial Performance of Aviation Industries in India” in the International Conference held on 12th April 2022 at Nehru College of Aeronautical and Applied Sciences, Coimbatore.
- Presented a paper entitled on “Digital Marketing: Drivers for the Development of Indian Agricultural Sector in Digital Era” in the International Conference held on 15th Dec 2021 at Nehru Arts and Science College, Coimbatore.
- Presented a paper entitled on “The Social Media Network Marketing in India” in the 7th International Conference held on 28th and 29th April 2022 at Nehru Institute of Engineering and Technology, Coimbatore.
- Presented a paper entitled on “Explorations of Asian Emerging Stock Markets During Covid-19 Pandemic: An Empirical Study” in the Second National Conference on BUSINESS Management And Analytics held on 28th & 29th January 2022 at National Institute of Technology, Tiruchirappali.
- Completed Lead Auditor Course on Environment Management Systems, Green Campus Audit and Hygiene Audit to Educational Institutions and Industrial Sectors organized by Nature Science Foundation, Coimbatore.

Resource Person

- Acted as A Resource Person for Faculty Development programme organized by Nehru International School, Coimbatore on 24th May 2022.
- Acted as a resource person for UG Final Year Students of Nehru Arts and Science College on the topic “Campus to corporate” on 20th April 2022.

6.0 FACULTY DEVELOPMENT PROGRAMME

The refresher course and FDP provides opportunities for existing teachers to exchange experiences and teaching methodology with their peers and solidify their subject knowledge. We encourage faculty members to attend programmes in outside colleges to grab more knowledge in their core areas. We are happy to inform you all that compare to previous year totally 70 faculty members FDP/ Refresher Programme/ Short term Course with their own interest.

1. Mr. Balthilak A attended FDP on ”Advancement in Aerospace Materials, Manufacturing, Testing and Characterization” from 24.1.2022 to 28.1.2022 conducted by Department of Aeronautical Engineering, Hindustan college of Engineering and Technology, Coimbatore.
2. Mrs. T.Banu attended ATAL FDP entitled “Conceptual and Practical Knowledge sharing and Training Sessions on Conceptual Fluid Dynamics” from 14th June to 18th June 2021 conducted by Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore.
3. Mrs. T.Banu attended Six Days FDP entitled “Machine Tools Building, Finishing Processess and Export Management ” from 19.04.2021 to 24.04.2021 conducted by Department of Mechanical Engineering ,Karpagam Academy of

Higher Education.

4. Dr.T.Manikandan, attended AICTE-ISTE sponsored Induction program during 24th -31st December, 2021, organized by department of Aeronautical Engineering, Adhiyamaan College of Engineering (Autonomous).
5. Mohammed Raffic N Participated in One Week Faculty Development Programme at Nehru Institute of Engineering and Technology on 3D Printing from 25.01.2022 to 31.01.2022.
6. Mohammed Raffic N Participated in Five Days FDP on “Current trends in Biotechnology , Food Technology and Chemical Engineering”,Department of Food Technology , JCT College of Engineering and Technology , Coimbatore from 13.04.2022 – 17.04.2022.
7. Shinduja V Participated in the 6 days online Faculty Development Program on Unit Operations in Agricultural Processing organized by SNS College of Technology supported by Center for Faculty Development Anna University: Chennai-25.
8. Shinduja V Participated in the five days online ‘Faculty Development Program’ on ‘Current Trends in Biotechnology, Food Technology and Chemical Engineering’ Organized by JCT College of Engineering and Technology.
9. Raja Subramaniam V Participated in the five days online ‘Faculty Development Program’ on ‘Current Trends in Biotechnology, Food Technology and Chemical Engineering’ Organized by JCT College of Engineering and Technology.
10. Raja Subramaniam V Participated in the five days online ‘Faculty Development Program’ on ‘Unit Operations in Food Technology’ Organized by SNS Institute of Technology
11. Abhirami P attended FDP – Non Thermal Processing of Food Products- 29th June 2021 -3rd July 2021- ATAL
12. Abhirami P attended FDP – Advances in Food and Value addition of grains- 23th August 2021 -27th August 2021- ATAL
13. Abhirami P attended FDP- Recent trends in Non-thermal Processing: Prospects and Challenges - 4th October 2021- 8th October 2021- ATAL
14. Abhirami P attended FDP – Unit Operations in Agricultural Processing – 24th January 2022-31st January 2022
15. Vadivel M Completed 5 days FDP program in PSG Institute of Tehnology and Applied Research from 21.06.2021 -26.06.2021
16. Sowmiya JK Participated in One week FDP on “Recent Trends on material Technology”, Sankriti School Of Engineering, Puttaparthi from 25.04.2022-29.04.2022
17. Arulmozhi Priya Participated in One week FDP on Hands on Training in Machine Learning, Sairam Engineering College, Chennai From 10.03.2022 – 16.03.2022.
18. Siddharthan P Participated in One week FDP on “Recent Trends on material Technology”, Sankriti School Of Engineering, Puttaparthi from 25.04.2022-29.04.2022
19. Sowmiya JK Completed Short term Course in “Abacus CAE learn Civil and Geotechnical Analysis Level II in UDEMY
20. Arulmozhi Priya completed short term Course on Sketch up Pro software in UDEMY.
21. **Gulja S Nair** Attended three days FDP on “**Outcome based Education and Accreditation Processes**” conducted by NIT ad NIET, Coimbatore from

17/06/2021 – 19/06/2021.

22. **Gulja S Nair** Attended online elementary FDP on “**GIS & Remote Sensing**” conducted by ATAL Academy at Parvatibai Chowgule College of Arts and Science from on 04/10/2021 to 08/10/2021
23. **Gulja S Nair** Attended online Certified Peer Reviewer Course by Elsevier Researcher academy and received certificate of excellence on 28.11.2021
24. **Gulja S Nair** Attended short term training course on “**Introduction to QGIS and QSWAT**” organized by CWRDM from 24 to 26 May 2022.
25. Attended five days online FDP on “**Current Trends in Biotechnology, Food technology and Chemical Engineering**” from 13 to 17 April 2022. Organized by JCT College of Engineering and Technology, Coimbatore.
26. Attended six days FDP on “**AI 8401 Unit Operations in Agricultural Processing**” conducted by SNS college of Technology, Coimbatore from 24.01.2022 to 31.01.2022.
27. Attended one day workshop on “**IOT in Agriculture**” on 5th Jan 2022 organized by Nehru Institute of Technology, Coimbatore
28. **Dr. Shri Krishna Nishani FDP Attended:**Six days Online FDTP on Unit Operations in Agricultural Processing organised by SNS college of Technology, Coimbatore
29. **Bharathikanna R** Attended three days FDP on “**Outcome based Education and Accreditation Processes**” conducted by NIT ad NIET, Coimbatore from 17/06/2021 – 19/06/2021.
30. Attended five days online FDP on “**Current Trends in Biotechnology, Food technology and Chemical Engineering**” from 13 to 17 April 2022. Organized by JCT College of Engineering and Technology, Coimbatore.
31. Attended one day workshop on “**IOT in Agriculture**” on 5th Jan 2022 organized by Nehru Institute of Technology, Coimbatore
32. One week international FDP on Applications of Mechanical Engineering from 09.06.2021 to 14.06.2021 organised by SVR Engg college
33. **Siva P** Participated A FACULTY DEVELOPMENT PROGRAM ON “Multi Objective Optimization and Product Innovation Through TRIZ” ORGANIZED BY ATAL Academy FROM 12th to 16th July 2021.
34. Participated ONLINE Faculty Development Training programmes for a period of Six days from Jan 24 to Jan 31 2022.By SNS college of Technology approved by Anna university.
35. Dr.S.Sundaram Organized CSIR sponsored Two days National Level Conference on Development in Organic-Inorganic Halide Perovskite materials and its modern applications from 22/12/2021 to 23/12/2021.
36. Dr.K.Parimalagandhi Organized CSIR sponsored Two days National Level Seminar on Current Trends in Quantum Computing and Integrated Layered Materials: Modern Energy Technologies from 5/5/2022 to 6/5/2022.
37. Dr.K.Parimalagandhi Organized National Level conference on “Energy, Environment & Materials (NCRRM-2021)” on 28.09.2021 organized by the Department of Chemistry, Nehru Institute of Technology, Coimbatore.
38. Dr.T.Jayaprakash Organized CSIR sponsored Two days Virtual National Level Seminar on Ophthalmic Drug Delivery: Current Innovation and Future Challenges from 23/2/2022 to 24/2/2022
39. Dr.S.Sundaram organized national level seminar on recent development in nanomaterials for environmental protection and energy applications from 04-05

7.0 RESEARCH ACTIVITIES

Funds from Government and Non Government Agencies:

- ICSSR -SRC Seminar Grant Rs 38,000 received for organizing Two Days International Online Seminar on MSMEs and COVID-19: The Opportunities, Challenges and Recovery Measures
- Prof. S Satheesh kumar got grant amount from TNSCST for the amount of Rs 15000/- (2020-21) on Popularisation of science Activities.
- Prof. R. Allocious Britto Rajkumar got grant amount from TNSCST for the amount of Rs 7500/- (2020-21) on Popularisation of science Activities.
- Dr. K. Parimalagandhi received a grant of Rs.20,000 from CSIR for conducting Two days National Level Seminar on Current Trends in Quantum Computing and Integrated Layered Materials: Modern Energy Technologies from 5/5/2022 to 6/5/2022.
- Dr. T. Jayaprakash received a grant of Rs.20,000 from CSIR for conducting Two days Virtual National Level Seminar on Ophthalmic Drug Delivery: Current Innovation and Future Challenges from 23/2/2022 to 24/2/2022
- Dr. S. Sundaram received a grant of Rs.15,000 from CSIR for conducting Two days National Level Conference on Development in Organic-Inorganic Halide Perovskite materials and its modern applications from 22/12/2021 to 23/12/2021.
- Newgen IEDC -2.5 Lakhs- teams from Agri Engg, Aero, CSE, CIVIL, Food Tech

Title: Water melon powder instant soup mix

Student : Denuja S

Mentor: Gulja S Nair

Title: BM chunk mate

Student team: Nivetha B and Kumaraguru M

Mentor: Prof A S Rajan

Title: Lowcost interlock Pavement block from Oyster shell Powder

Mentor : Madhan P

Founder : Sharath RS, Kosha Kesho, Dhrishyal A

- Incorporation of raw banana peel powder in the preparation of healthy millet bar
Mentor : Abhirami P
Founder : Mahalakshmi G, Kousiga A, Sivasankari B, Liberna B
- Title of the Project: Development of natural soft drink incorporated with betel and sarsaparilla extracts
Mentor – NewGen IEDC, Supported by NSTEDB, DST, Govt. of India.

Ph.D Research Guidance by Faculty Members.

- Dr. M. Durai Pandian, Professor, CSE has guiding 10 Ph.D scholars under Anna University.

8.0 Intellectual Property Rights (IPR)

- 6 seminars and workshops were organized in the theme of IPR and Patent drafting through our IIC Cell

9.0 Infrastructure Development:

- Department of Food Technology Laboratories such as Biochemistry, Microbiology, Food Chemistry and Nutrition, Food Analysis and Unit Operations has been established with a

total value of 30 Lakhs in the academic year 2021 – 2022.

- Green Campus development
- Solar panel Established
- Bio gas Plant Established
- Vermicompost unit in progress
- Waste Management segregation unit established
- Crop cultivation in field started

10.0 PLACEMENT

The NCPIR are giving regular Training to the students from beginning to the end of the course in many areas. Regular Meetings are conducted by the Placement Cell which consists of a Placement Advisor, Placement Officer, Faculty Coordinators and Student Coordinators for the continuous improvement of placement activities in the college.

Ladies and Gentlemen! The excellent academic records of our students do not end with the results. They get translated into fruitful career in several corporates. A few others pursue entrepreneurship in family business.. I have pleasure to inform the following placement details :

17 Students of Aeronautical Engineering are placed in various companies namely Gilbarco Veede Root Pvt Ltd, All Sec Technology Pvt Ltd with a salary package ranging from 2.8 lakhs to 3.4 lakhs P.A

11 Students of Computer Science and Engineering are placed in various companies namely Amazon, Cygnus Softwares, Hinduja Global Solutions, Aegis Technologies, Tech Mahindra, KGISL, Surya Informatics and NDOT Technologis with a salary package ranging from 1.8 lakhs to 2.4 lakhs P.A

15 students of MBA are placed in various companies namely IDBI Federal Life Insurance, Religare Securities, ICICI Securities, Sharekhan Broking Services, H&H Pharma, Heptagon, Exide Insurance, Effitrac, Just Dial with salary package ranging from 3.60 Lakhs to 6.00 Lakhs P.A

10.0 SOCIAL RESPONSIBILITIES & FESTIVAL CELEBRATION

1. “Tree Plantation by Alumni Students” programme was organized by NSS team on **30/11/21** at NIT campus, about **11 Student participated .**

2. An awareness programme on **“Energy Conservation Day “** organized by NSS team of NIT on **14/12/21** at Kaliyapuram. **27 students participated.**

3. “National Farmers Day ” celebration on **23/12/21** at Pichanur village, Coimbatore by NSS unit of NIT about **17 students participated.**

4. NSS unit of NIT was organized an **“Medical Eye Camp”** on **26/02/22** at NIT college premises. **14 students participated in the event.**

5. “Rain water harvesting” programme has organized by NSS team of NIT at Thirumalayampalayam on **17/05/22** about **18 students participated in the event.**

6. “Plastic waste management” programme organized by NSS team of NIT at Kaliyapuram on **20.05.22** about **25 students participated in the event.**

7. “ Environmental Day Awareness” programme organized by NSS team of

Commemorative Days, Events And Festivals organized

1. Republic Day Celebrations
2. National Science Day and International
3. Women's day
4. NSS Day Celebrations
5. Onam Celebrations
6. Independence Day
7. Engineer's day
8. World environmental day
9. National farmers day

11.Club Activities

(1) Eco Club Activity

Eco club inauguration - 08.11.2021
Eco club activity- Grow bag cultivation – 01.12.2021
Eco club activity- Weeding operation – 14.12.2021
Eco club activity-Planting Tulsi saplings – 29.12.2021
Eco club activity-hands on training on wick irrigation – 18.03.2022

(2) Literary Club Activity

Literary club activity- Group discussion on Market management – 16.12.2021
Literary club activity- Abstract writing skill development program – 17.12.2021
Literary club activity- How to select research paper? – 20.12.2021

(3) News Paper Connect Club

Inauguration 3rd Dec 2021
Students Business News Presentation
Business News Quiz

(4) Faculty Connect Club

NIT In House Award on 31st Dec 2021
Christmas Celebration on 23rd Dec 2021
Faculty Recreation Programme 31

Conclusion:

NIT is growing at an incredible pace, marching ahead with all its might, definitely with the right spirit and in the right direction. This is possible because our family believes and follows the Core Values namely Discipline, Determination, Dedication, Integrity & Trust, Interest & Involvement!

In our mission and commitment to higher education, we are grateful to many individuals who support us, collaborate with us and work tirelessly to ensure the smooth functioning of our day to day activities.

Yes, the institute has rightly envisioned becoming a role model in professional education and the most preferred choice of students, parents, faculty and industry!

I thank our Chairman, Board of Trustees, Members of Advisory Board and Academic Council, Faculty members, Staff and Students for their cooperation help and Support to the development of NIT. Let me also take this opportunity to acknowledge gratefully, the unstinted co-operation, constant inspiration and immense support extended by all the parents, donors, well wishers and resource persons from industries, NGOs and neighboring reputed institutions as well as Press & Media representatives; in realizing our objectives.

My special thanks also to the administrative and support staff, wardens of the hostels for effective management of all day to day affairs of the hostels. I would also like to thank all our benefactors and well- wishers for their support. As I conclude this report, I look back with satisfaction at the many accomplishments of every member of our College community.

. We value your presence with us and look forward to your continued support in all our endeavours. Last but not the least I bow in gratitude before the Lord Almighty who made all these accomplishments possible. Everyday brings His Blessings, every moment we experience His Care and Protection!! Thank you for your precious time.

Dr.M.Sivaraja

Principal