VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

ANNUAL REPORT

(2023 – 2024)

TEACHING LEARNING CENTRE OF EXCELLENCE

[TLCE]

TEACHING LEARNING CENTER OF EXCELLENCE
TLCE
VIT, VELLORE
உழைப்பே உயர்வுதரும்

VIT, VELLORE

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ABOUT TLCE

Teaching Learning Centre of Excellence (TLCE) is dedicated towards creating a culture of academic excellence through faculty development activities for all schools and centers at VIT, Vellore.

TLCE collaborate with all the Schools, Centres and Sections of the University and coordinate towards achieving its purpose. The Faculty Induction Programme (FIP) is our flagship event conducted after the induction of every batch to enlighten and groom the new faculty as they join VIT family. The regular faculty development programs are conducted in half day to 5 days formats to cater to different needs of faculty members across domains and disciplines all through the year. The Faculty development programs have been designed to ensure an all-round development and well-being of faculty and staff members which would percolate down to the students. TLCE and programme coordinators network with international resource persons and universities as well as industry experts and invite the eminent resource persons to our university for constant improvement. TLCE take invitations to empower faculty to stay updated with the latest developments in teaching, research and technology and thus create a world class learning environment for the faculty, staff and students. We enthusiastically seek to achieve our Honorable Chancellor's vision of guiding VIT to reach the elite bracket of top 200 Institutions of the world, through empowerment and implementation.

TLCE ACTIVITIES

- **Faculty Orientation Program [FOP]**
- **Online/On-Campus FDP [Half Day]**
- **Online/On-Campus FDP [1 Day]**
- **Online/On-Campus FDP [2 Days]**
- **Online/On-Campus FDP [3 Days]**
- **Online/On-Campus FDP [One Week]**
- **Faculty Induction Programme [FIP]**
- **NAAC work & IQAC Portal Uploads**
- **TLCE/VIT Website https://vit.ac.in/centers/tlce**
- **TLCE Coordinators Team Created**
- **Proposal for Faculty Development Center**
- **Annual Newsletter**
- **Faculty Hand Book**

TLCE COORDINATORS (CENTERS)

S.No.	Emp. ID	Name of the Co-Ordinators	Centers
1	11105	Dr. VIJAYA KUMAR K	VITOL
2	10378	Dr. MRUDULA P	CNBT
3	19564	Dr. RAJESH KANNA	CO2
4	12550	Dr. PALANISAMI N	CFM
5	18854	Dr. YAZAR K U	CIMR
6	16155	Dr. SWATI G	CNR
7	18822	Dr. ARUNAVA RAY	CDMM
8	17010	Dr. SUNANDA SAHA	CCE
9	19680	Dr. LOGANATHAN RANGASAMY	CBCMT
10	19703	Dr. SHIVAM PRAKASH GAUTAM	TIFAC
11	11933	Dr. AYESHA NOOR	CBST
12	80210	Ms. MONICA SYLVIYANA	LIBRARY

TLCE COORDINATORS (SCHOOLS)

S.No.	Emp. ID	Name of the Co-Ordinators	Schools
1	13676	Dr. VASANTHA KUMAR S	SCE
2	11194	Dr. SUBATHRADEVI C	SBST
3	20167	Dr. PARTHIBAN RAJUKALIDOSS	V-SPARC
4	14717	Dr. SATHYANARAYANAN P	SENSE
5	16375	Dr. HIMADRI LALA	SELECT
6	13299	Dr. KRISHNAMOORTHY A	SCOPE
7	10967	Dr. ASHA N	SCORE
8	17026	Dr. RIMA BISWAS	SCHEME
9	15977	Dr. ANUSHA P T	SAS
10	17162	Mr. VIKASH V	V-SIGN
11	17082	Mr. SATHISH KUMAR E T	HOT
12	17887	Dr. MADHUSMITA DISHRI	VAIAL
13	16341	Dr. ANIL VERMA	VITBS
14	19652	Dr. SHEEJA RAJAGOPAL	SSL
15	16351	Dr. DSILVA WINFRED RUFUSS D	SMEC

1. FDP Events List for 2023 - 2024

SL. NO.	TITLE OF FDP's	NO. OF REGISTRATIONS
Faculty Orientation Programme (FOP) - July - 2023		
1	Faculty Orientation Progamme July 2023	136
One Day - Faculty Development Programmes [FDP]		
2	A fully-integrated Communication, Ranging and Detection system	30
3	Application of analytical hierarchy process for different engineering applications	32
4	Outbound Quality Research	76
5	Moodle: Online Code Evaluation Platform for Python and Java using CodeRunner and VPL	93
6	Deep Dive into QS Ranking Methodology	41
7	Microplastics as emerging contaminants to the Indian Fresh and Coastal Waters: Occurrence, fate and Remediation	72
8	IPR and IP Commercialization Strategies	76
9	Prediction Techniques and Tools	143
10	Effective Digital Content Development	32
11	Emotional Well being and life style coaching	61
12	Critical skills of Algorithmic Thinking	46
13	Financial Planning for Faculties	39
14	One day FDP on Transcend - Work beyond limits	44
15	An Awareness Session on Noetic Science	42
16	AI Revolution the future of work in Industry 4.0	55
17	Recent Innovations in Hydrogen Technology	55
18	Monte Carlo methods in Statistics for Researchers	54

19	Flexible Energy Storage Devices - Role of Polymer Electrolytes and Corrosion Protection at Interfaces	57
20	SWAYAM's contribution to the advancement of online learning in India	32
21	One-day FDP on the fundamentals of effective business proposal preparation	53
22	Importance of Standards in Academics and Pearson E-Library product orientation	18
23	Important of standards and e-library products in academics and research	36
24	Navigating the scholarly publishing landscape: Insights for faculties and research scholars	22
25	Spoken Thamizh for the non Thamizh	35
26	Real life hard hitting corner stones established by the courts	32
27	Work-life balance in Academic Institutions and Happiness Index	46
28	Mastering the Scientific Literature Review and Best Citation Practices: A Guide for Researchers	70
Two Days - Faculty Development Programmes [FDP]		
29	Research Insights in Artificial Intelligence, Machine Learning and Deep Learning	139
30	Stories light a fire under audiences to act and deliver game-changing innovation. Logic by itself doesn't spark a flame.	38
31	BASIC LIFE SUPPORT (BLS) AND FIRST AID	42
32	TWO DAY FDP ON THE MULTIPLE FACETS OF DRUG DISCOVERY AND DEVELOPMENT	93
33	Writing and publishing high-quality research papers with LaTeX	89
Three Days - Faculty Development Programmes [FDP]		
34	B5G/6G Technologies for Wireless Communications	66
35	Recent trends in Machine/Deep Learning for Computer Vision and Biomedical Applications	93
36	AI Tools for Scientific writing	152
37	Recent trends in cyber security and its future perspectives	58
38	Machine Learning and Deep Learning techniques in applied research	141

39	Recent Trends in Artificial Intelligence and Machine Learning	135
40	Current Scope and Future Challenges in Electronics Engineering	87
41	FDP on Characterization of Proteins	53
42	Mastering the Data: Hands-on Training of Statistical Package for the Social Sciences (SPSS) for Researchers	58
One Week - Faculty Development Programmes [FDP]		
43	Bio-inspired Mathematical Modelling	61
44	Python Programming in OL mode	46
45	Artificial Intelligence in Solving Real World Problems (Part - II)	129
46	IoT and EdgeAI: Bringing Intelligence Closer to Devices	108
47	Research Avenues using Deep Learning and Intuitionistic fuzzy in applied research - Prediction, Image analysis and Representations	52
48	A practical approach to real world problems using AI and Deep Learning	41
49	Python Programming Essentials - OL mode	62
50	Recent Advances in integrating Machine Learning, Neural Network and Combinatorial Optimization	39
51	Thinking and Innovation - Wireless Communications and Antenna Technologies	38
52	Comprehensive hands-on sessions on Computer vision and Artificial Intelligence towards applied research	61
53	A Deep Insight into Cutting-edge Technologies of Cybersecurity, AI and Large Language Models	46
54	INDIAN CONSTITUTION - OL MODE	45
55	Applied Visualization, Analysis and Processing of Textual Data and Speech Signals using AI and ML	27
56	Un-hashing the cryptos of Blockchain	40
57	Building Intelligent Decision Support Systems and Harnessing the Power of Explainable AI - A Hands-on FDP	46
58	Trace Elements for health and environment	65
59	Empirical approach to Deep Generative AI with Large Language Model and Computer Vision	50

60	Artificial Intelligence for Environmental and Water Resources Engineering	50
61	Student Centred Innovation Empowering Faculty through Design Thinking for Enhanced Learning Experiences	45
62	Recent Advancements in Nano Electronics and its Applications	50
63	Foundations of Machine Learning	65
64	In search of Excellence Developing STRATEGIC Communication Skills	41
65	Current Developments in Mathematics with Applications in Sciences and Technology (CDMAST-2023)	72
66	Hands on training on writing research articles with LaTeX and AI Tools	88
67	Multi-Objective Optimization and Multi-Criteria Decision Making	48
68	Advanced Programming Tools and Techniques (AI, Data Analytics and Full Stack Development)	64
69	Emerging Technology Insights: Generative AI, Digital twin, Block chain, Hardware for Machine Learning, DevOps, Drone Technology	61
70	A framework for machine learning in the fields of statistical Analysis	62
71	QUANTUM COMPUTING AND ARTIFICIAL INTELLIGENCE	65
72	Emerging Trends and Research Challenges in Cyber Security and Digital Forensics	61
73	FDP on Oracle Java Programming	70
74	The Future of Biotechnology: The Importance of Interdisciplinary Research	81
75	IOT Security Threats and Mitigations	50
76	Fascinating Applications of Mathematics	58
77	Enriching Teaching and Research Experience	51
78	Harvesting Tomorrow: Renewable Energy and CO2 Sequestration for a Sustainable Future	34
79	GREEN TECHNOLOGY ADVANCEMENT FOR SUSTAINABLE DEVELOPMENT	47
80	Transdisciplinary research: A game changer in Agriculture 5.0	52
81	Academic writing	59

82	Investing in Yourself: An Employee Wellness FDP for Professional Excellence	56
83	Trends and Challenges in Implementing Internet of Things for Digital Twin Applications	47
84	Royal Academy of Engineering -UK, and European Union (JM) Sponsored 5 Days FDP on Digital Transformation in Industry 4.0 Revolution: The Power of AI, Robotics, and Additive Manufacturing for Next Generation Industry	51
85	Emerging Trends in Chemical Sciences	36
86	Synergies of Science: Advancing Health, Energy, and Environmental Well-being	46
87	ISO:IEC 17025:2017- General Requirements for the Competence of Testing & Calibration Laboratories	11
88	Emerging Engineering Applications of Artificial Intelligence (E2A2I)	61
89	Advanced Engineering Applications in Physics	40
90	PRECLINICAL RESEARCH	94
91	Invest in your health	57
92	Recent Advancement and Applications in Artificial Intelligence: Research Perspective	56
93	Empowering Beginners with the Basics of Artificial Intelligence	62
94	Emerging Materials for Future Electronics	38
95	Power of the Subconscious Mind in Professional Success	68
Faculty Induction Programme [FIP] - June - 2024		
96	Faculty Induction Programme [FIP]	86

2. Faculty Orientation Programme [FOP]

Faculty Orientation Programmme (On Campus)

- ✓ This Program is intended to help the newly joined faculty members to synchronize with VIT University's academic work-flow without any difficulty.
- ✓ Help Faculty members understand the Vision of the Institution and the Expectations of the University
- ✓ To Introduce Faculty Members to advanced Practices like FFCS, CAL, PBL
- ✓ Technologically equip the Faculty Members for the Digital Academics
- ✓ Help Faculty Members use advanced Learning Management Systems including V-Top
- ✓ Provide learning related Psychological education
- ✓ Provide inputs for excellence in research and publications
- ✓ Improve the written and Oral Communication skills to enable high quality presentations and publications
- ✓ Train the teachers towards Industry-Academia Interaction and building lasting professional associations
- ✓ Help teachers understand the professional standards and requirements of national and international accrediting agencies.
- ✓ Develop the managerial skills of the faculty members.
- ✓ Preparing for Flipped Classes through Video Lectures, Virtual Classrooms.
- ✓ Help teachers develop a better understanding of various educational theories
- ✓ Introduce faculty members to creative teaching techniques like Edutainment
- ✓ Help faculty members excel in documentation towards filing patents and securing intellectual rights
- ✓ Help faculty members get to know each other and work together as teams and move towards inter- disciplinary research and cross functional studies
- ✓ Help faculty members make their academic pursuits industry relevant and socially relevant.
- ✓ To promote the culture of Continuing Learning among academicians
- ✓ Outbound learning activities to encourage team work

  Experiencing industry visits to help them replicate them in the future

SL. NO.	TITLE OF FDP's	NO. OF REGISTRATIONS
Faculty Orientation Programme (FOP) - July - 2023		
1	Faculty Orientation Progamme July 2023	136

1. Event ID	**FDP20230165**
Title of the Event	**Faculty Orientation Progamme July 2023**
Date & Time of Event	**03-20-JUL-2023 & 02.00 pm to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Padmanabhan K (12334) Jayabarathi T (10020) Partha Sharathi Mallick (11308) Rambabu Kodali (17125) Sridharan T B (10371) John Sushil Packiaraj (14491) Anthony Xavior M (10223) Jayaraman G (10679) Shanthi C (10627) Vivekanandan S (11051) Rasool M (11993) Subaji M (10256) Mohan K (11881) Jayashankaran (T0257) Rita Rani Bhattacherjee (15830) Naiju C D (10335) Samuel Rajkumar V (11139) Nageswara Rao M (14868) Leema Rose Viannie (15974) Kuppan P (10249) Baskar K (20168) Uma Maheswari A (12273) Mangayarkarasi Arun P (10151) MD. Sahul Hameed M A (10078) Srimathi C (10269)**
Abstract	**The Faculty Orientation Programme at VIT 2023 is meticulously crafted to integrate new faculty members into the vibrant academic ecosystem of Vellore Institute of Technology (VIT). This programme is designed to provide comprehensive support, ensuring that new faculty are well-equipped to excel in their roles. The induction programme is structured around a series of interactive sessions and hands-on workshops that cover a wide array of essential topics. These include teaching methodologies, research opportunities, professional development, and institutional policies. VIT, known for its commitment to excellence in education and research, has a rich history and a distinctive mission that new faculty members will be introduced to. Sessions will delve into blended and online teaching techniques, which have become increasingly relevant in today's educational landscape. Inclusive teaching practices will also be highlighted new faculty will learn how to design effective assessments that accurately measure student learning outcomes.**

Certification:

Certified No.	Average of Feedback
116	**92.28**

3. One - Day Faculty Development Programme

SL. NO.	TITLE OF FDP's	NO. OF REGISTRATIONS
2	Application of analytical hierarchy process for different engineering applications	32
3	Prediction Techniques and Tools	143
4	Outbound Quality Research	76
5	A fully-integrated Communication, Ranging and Detection system	30
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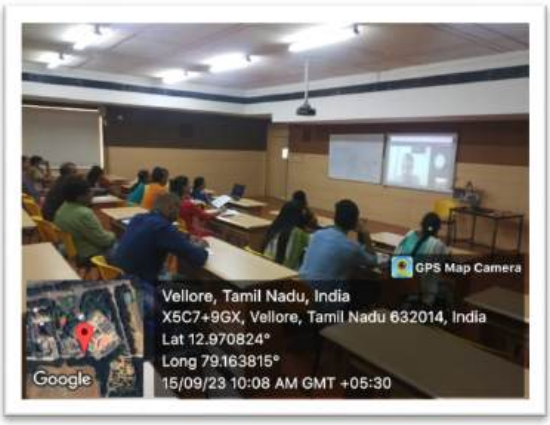
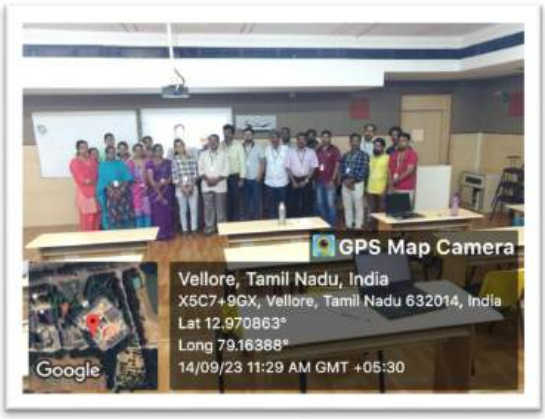
2. Event ID	**FDP20230176**
Title of the Event	**Application of analytical hierarchy process for different engineering applications**
Date & Time of Event	**09-AUG-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Mechanical Engineering [SMEC]**
Name of Coordinators	**Prof. Aruna Kumar Behura, Prof. Anuj Kumar**
Name of Resource Persons	**Dr Yatish Joshi**
Abstract	• **Importance of Analytic Hierarchy Process (AHP) in research** • **Application of Analytic Hierarchy Process (AHP) approach to solve multi-criteria decision making problems** • **Publishing articles using Analytic Hierarchy Process (AHP)**

Certification:

Certified No.	Average of Feedback
22	93.71

3. Event ID	**FDP20230185**
Title of the Event	**Prediction Techniques and Tools**
Date & Time of Event	**15-SEP-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Varalakshmi M, Prof. Mary Mekala A**
Name of Resource Persons	**Dr K Ramesh Dr K Saravanan**
Abstract	• **Session 1 - Prediction and Data Analysis, Statistical data analysis, Multivariate Techniques, Probability and data analysis** • **Session 2 - Spatial Analysis - Case Study ,Forecast in atmospheric Science, Time series analysis forecast** • **Session 3 - Big Data Map Reduce using Apache Spark with hands on session.**





Certification:

Certified No.	Average of Feedback
56	**90.28**

4. Event ID	**FDP20230187**
Title of the Event	**Outbound Quality Research**
Date & Time of Event	**21-AUG-2023 & 10.00 am to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Dr Mrs Manimozhi Theodore**
Abstract	• **Research Processes** • **DST/DRDO Research Collaborations**

Certification:

Certified No.	Average of Feedback
26	**92.85**

5. Event ID	**FDP20230189**
Title of the Event	**A fully-integrated Communication, Ranging and Detection system**
Date & Time of Event	**09-AUG-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Jeyanthi N, Prof. Thandeeswaran R**
Name of Resource Persons	**Dr Besma Smida**
Abstract	• **A fully-integrated Communication** • **Ranging and Detection system**

6Certification:

Certified No.	Average of Feedback
17	**90.28**

6. Event ID	**FDP20230196**
Title of the Event	**IPR and IP Commercialization Strategies**
Date & Time of Event	**15-SEP-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Bio Sciences and Technology [SBST]**
Name of Coordinators	**Prof. Mythili S, Prof. Gayathri M**
Name of Resource Persons	**Dr A Balaji Ganesh**
Abstract	• **Essential Details on IPR** • **IP Commercialization Strategies** • **IPR Related to Biotechnology** • **Case Studies related to Biotechnology**

Certification:

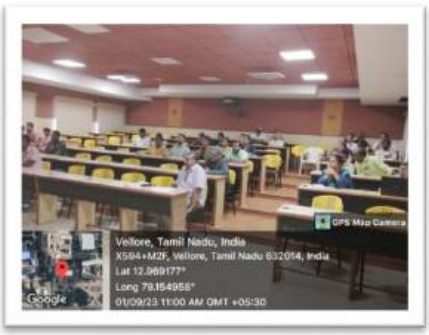
Certified No.	Average of Feedback
32	**86.14**

7. Event ID	**FDP20230199**
Title of the Event	**Moodle: Online Code Evaluation Platform for Python and Java using CodeRunner and VPL**
Date & Time of Event	**23-AUG-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Vinila Jinny, Prof. Uma Priya D**
Name of Resource Persons	**Kumar K Jabanjalin Hilda J**
Abstract	• **Hands on Session for Lab Practical and Assessments using VPL and Code Runner in Moodle**

Certification:

Certified No.	Average of Feedback
49	**94**

8. Event ID	**FDP20230216**
Title of the Event	**Microplastics as emerging contaminants to the Indian Fresh and Coastal Waters: Occurrence, fate and Remediation**
Date & Time of Event	**01-SEP-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Mechanical Engineering [SMEC]**
Name of Coordinators	**Prof. Ahankari Sandeep Sureshrao, Prof. Bhaskar Das**
Name of Resource Persons	**Dr Gopala Krishna Darbha**
Abstract	• **Understand the micro plastic's behavior in water bodies; remediation of it from the environment by eco-friendly methods.**



Certification:

Certified No.	Average of Feedback
35	**86.85**

9. Event ID	**FDP20230219**
Title of the Event	**Deep Dive into QS Ranking Methodology**
Date & Time of Event	**29-AUG-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Rajesh Kaluri, Prof. Sumathey S**
Name of Resource Persons	**Prof Azham Bin Hussain**
Abstract	• **Approaches and Methodologies for QS Ranking**

Certification:

Certified No.	Average of Feedback
27	**93.28**

10. Event ID	**TLCE20230025**
Title of the Event	**Effective Digital Content Development**
Date & Time of Event	**28-SEP-2023 & 10.00 am to 05.30 pm**
Name of the school	**VIT online learning Institute [VITOL]**
Name of Coordinators	**Prof. Mohan K, Prof. John Sushil Packiaraj**
Name of Resource Persons	**Dr Malliga P**
Abstract	**Faculty members of VIT must learn the process of creating digital contents like Video materials. In this FDP, external resource person from reputed institution and with experience in creating content to SWAYAM and SWAYAM prabha will share their knowledge and train our faculty members for the same**

Certification:

Certified No.	Average of Feedback
25	94.28

11. Event ID	**TLCE20230037**
Title of the Event	**Emotional Well being and life style coaching**
Date & Time of Event	**30-NOV-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Advanced Sciences [SAS]**
Name of Coordinators	**Prof. Manju S L, Prof. Sheela A**
Name of Resource Persons	**Mrs Aaliyah Bincy Mathew**
Abstract	**In this event, we delve deep into the world of stress, understanding its impact on our bodies, and learning the art of "hacking" stress to harness its potential as a catalyst for improved productivity. Through exploring the relationship between the mind, body, and hormones, participants will learn the power of food and daily self-care practices, as well as the significance of vitamins and minerals in boosting cognitive functions and overall health. The program will also shed light on the significance of vitamins and minerals in boosting cognitive functions and overall health. Finally, you'll uncover the powerful concept of using food as medicine, demonstrating how the choices you make in your diet can profoundly impact your physical and mental health. We unlock the potential within each student to lead a healthier, happier, and more fulfilling life.**

Certification:

Certified No.	Average of Feedback
30	**87.57**

12. Event ID	**TLCE20230051**
Title of the Event	**Critical skills of Algorithmic Thinking**
Date & Time of Event	**01-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Kumaresan P, Prof. Chiranji Lal Chowdhary**
Name of Resource Persons	**Dr Manjanna B Chiranji Lal Chowdhary**
Abstract	**The primary aim of this FDP is to explore algorithmic challenges in cutting-edge technologies such as machine learning and quantum computing. Learners will be able to understand the fundamental design concepts and to develop efficient algorithms. Understanding geometric algorithms in computer science applications such as data analysis, computer graphics, Robotics and virtual reality. The session covers approximation algorithms from NP-hard problems and approaches that go beyond NP-completeness.**

Certification:

Certified No.	Average of Feedback
39	**91.57**

13. Event ID	**TLCE20230079**
Title of the Event	**One day FDP on TranScend - Work beyond limits**
Date & Time of Event	**10-JAN-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Siva Rama Krishnan S, Prof. Mythili N**
Name of Resource Persons	**Dr Anupama M Siva Rama Krishnan S**
Abstract	**Musculoskeletal disorders (MSDs) are conditions that affect the muscles, bones, and joints of people. They can cause pain, disability, and reduced quality of life. MSDs are common and their prevalence is increasing with population ageing. However, many people are unaware of the causes, symptoms, and prevention of MSDs. This FDP aims to raise awareness of MSDs among the faculty members. It also provides practical tips and recommendations for maintaining musculoskeletal health and avoiding MSDs.**

Certification:

Certified No.	Average of Feedback
25	**93.28**

14. Event ID	**TLCE20230081**
Title of the Event	**Financial Planning for Faculties**
Date & Time of Event	**15-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Mechanical Engineering [SMEC]**
Name of Coordinators	**Prof. John Rajan A, Prof. Arjun Singh K**
Name of Resource Persons	**David Robert Samuel Ponraj John Rajan A**
Abstract	**This faculty development program on financial planning for faculties aims to empower educators with essential knowledge and skills to navigate their financial landscape effectively. The program will cover a spectrum of topics, including income assessment, expense analysis, tax planning, and retirement strategies. Special attention will be given to understanding unique financial challenges faced by faculties, such as pension schemes, government initiatives, and mutual funds. By fostering a comprehensive understanding of financial tools and resources, this program seeks to equip faculty members with the tools necessary for prudent financial decision-making, enhancing their overall financial well-being.**

Certification:

Certified No.	Average of Feedback
32	**89.42**

15. Event ID	**TLCE20240003**
Title of the Event	**An Awareness Session on Noetic Science**
Date & Time of Event	**17-JAN-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Vijayarajan V, Prof. Kalaavathi B**
Name of Resource Persons	**Jeyachandran S**
Abstract	**Embark on a transformative journey into Noetic Science, a ground breaking discipline illuminating the profound connection between the human body and its senses. Navigate the intricacies of mind, intellect, emotion, ego, and pure consciousness, uncovering how Noetic Science unlocks solutions for millennial challenges. Delve into the essence of invincibility, exploring natural senses' impact on cognition (clarity, doubt, and dissonance). Gain insights into dual intelligence expressed and entrenched and unravel genetic, memetic, and life's fundamental characteristics. This event offers a global perspective on millennials' challenges, rooted in Noetic Science. Bridging science with human experience, we provide practical insights, addressing unique challenges from both Indian and global viewpoints. Embark on this odyssey where science intersects with the human experience. Witness the potential of Noetic Science in guiding sustained transformation. Be part of a ground breaking event redefining human understanding, offering a practical guide for facilitating personal and collective growth. This scientific exploration opens boundless possibilities within through the enlightening lens of Noetic Science. Don't miss unlocking the door to a new era of self-discovery and sustained transformation.**

Certification:

Certified No.	Average of Feedback
37	**89.71**

16. Event ID	**TLCE20240012**
Title of the Event	**AI Revolution the future of work in Industry 4.0**
Date & Time of Event	**24-JAN-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Srinivas Koppu, Prof. Sumathy S**
Name of Resource Persons	**Raghu Bala**
Abstract	**As we enter the age of Artificial Intelligence, there is a lot of uncertainty in the art. Some approach it with optimism, while others are skeptical, pessimistic or cynical. The AI Age is simply the 4th Industrial Revolution and as with the other three revolutions in the past, we will discuss how humans will adapt and leverage new technology and how the Future of Work will be impacted. While there will be some dislocation in the short run, we foresee yet another major stepping stone in the advancement of mankind. We will examine, in detail, some of the technologies involved in shaping our future along with some illustrative use cases**

Certification:

Certified No.	Average of Feedback
40	**94**

17. Event ID	**TLCE20240013**
Title of the Event	**Monte Carlo methods in Statistics for Researchers**
Date & Time of Event	**29-Feb-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Advanced Sciences [SAS]**
Name of Coordinators	**Prof. Sujatha V, Prof. Uma K**
Name of Resource Persons	**Dr Thalamuthu Sujatha V**
Abstract	**Monte Carlo methods are based on random numbers generated from probability distributions. These methods are very useful to understand the properties of functions of random variables when the closed form solutions or approximations are not very useful. The Random number generation and simulation of data from various probability distributions, Simulation and data generation under regression models, Monte Carlo integration and its applications Permutation tests, Bootstrap methods are used in Monte Carlo methods in Statistics.**

Certification:

Certified No.	Average of Feedback
23	**90**

18. Event ID	**TLCE20240019**
Title of the Event	**Recent Innovations in Hydrogen Technology**
Date & Time of Event	**13-Feb-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Mechanical Engineering [SMEC]**
Name of Coordinators	**Prof. Benedict Thomas**
Name of Resource Persons	**Dr Vinod Kumar Sharma**
Abstract	**The ongoing global pursuit of sustainable and clean energy solutions has intensified interest in hydrogen technologies as a promising avenue for decarbonizing various sectors. This abstract provides a concise overview of recent innovations in hydrogen technologies, encompassing advancements in production, storage, and utilization. The exploration of novel catalysts, renewable energy sources, and efficient electrolysis methods has significantly contributed to enhancing the competitiveness of hydrogen as a clean energy carrier. Moreover, breakthroughs in hydrogen storage technologies, such as advanced materials and novel storage systems, are crucial for overcoming existing challenges and promoting widespread adoption. As the world strives towards achieving carbon neutrality, the evolution of hydrogen technologies stands at the forefront, offering a glimpse into a future where clean and efficient energy solutions drive global progress.**

Certification:

Certified No.	Average of Feedback
36	**90.71**

19. Event ID	**TLCE20240023**
Title of the Event	**Flexible Energy Storage Devices - Role of Polymer Electrolytes and Corrosion Protection at Interfaces**
Date & Time of Event	**05-Mar-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Mechanical Engineering [SMEC]**
Name of Coordinators	**Prof. Ahankari Sandeep Sureshrao, Prof. Vasudevan R**
Name of Resource Persons	**Dr Ramesh T Subramaniam Dr Ramesh Kasi**
Abstract	**Polymer electrolytes have sparked interest in the filed flexible energy storage devices owing to their flexibility, high ionic conductivity, stable electrochemical performances, being leakage-free and excellent mechanical & electrochemical properties. The overall performance of the energy storage device is greatly influenced by electrolyte ion type, concentration, and the operating temperature. In the recent years, ccorrosion at the electrode-electrolyte interface has been identified as an area of interest. The FDP sessions explore deep into the crucial roles of polymer electrolytes and corrosion prevention in advancing this technology. Prof Dr. Ramesh T Subramaniam will talk about latest advancements in developing and characterizing polymer gel electrolytes for energy storage devices. It will also cover the discussed the challenges and future development of various gel electrolytes for flexible energy storage devices. Dr. Ramesh Kasi will address the applications of polymeric materials for energy storage, effect of corrosion at interfaces of electrode-electrolyte and preventive measures.**

Certification:

Certified No.	Average of Feedback
38	**93.28**

20. Event ID	**TLCE20240025**
Title of the Event	**SWAYAM's contribution to the advancement of online learning in India**
Date & Time of Event	**08-Mar-2024 & 10.00 am to 05.30 pm**
Name of the school	**VIT online learning Institute [VITOL]**
Name of Coordinators	**Prof. Vijaya Kumar K, Prof. Srinivasan R**
Name of Resource Persons	**Dr Arulchelvan Sriram**
Abstract	**The purpose of this FDP is to provide comprehensive guidelines for submitting proposals related to online course development on the SWAYAM platform**

Certification:

Certified No.	Average of Feedback
24	**93**

21. Event ID	**TLCE20240038**
Title of the Event	**One-day FDP on the fundamentals of effective business proposal preparation**
Date & Time of Event	**11-Mar-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Electronics Engineering [SENSE]**
Name of Coordinators	**Prof. Vidhya S, Prof. Renold Elsen S**
Name of Resource Persons	**C Ramaswamy Desai**
Abstract	**This one-day, interactive workshop equips you with the fundamentals of effective business proposal preparation. Learn how to write clear, concise, and compelling proposals that demonstrate your value proposition and win over clients. The event is mandatory for faculty applied for FSV for academic year 2024**

Certification:

Certified No.	Average of Feedback
39	**88.85**

22. Event ID	**TLCE20240048**
Title of the Event	**Spoken Thamizh for the non Thamizh**
Date & Time of Event	**12-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Mechanical Engineering [SMEC]**
Name of Coordinators	**Prof. Padmanabhan K**
Name of Resource Persons	**Dr. Padmanabhan K**
Abstract	**In ancient India there were only four major languages, Thamizh, Samskrutham, Prakrutham and Pali. Thamizh is said to be the oldest of them all. This FDP aims to cover the prehistory, history, traditional works, alphabets, vocabulary, short phrases, names of things around us and short conversations in spoken thamizh. At the end of the FDP the registrant would be able to speak basic sentences and take part in conversations related to survival.**

Certification:

Certified No.	Average of Feedback
18	**94.42**

23. Event ID	**TLCE20240051**
Title of the Event	**Importance of Standards in Academics and Pearson E-Library product orientation**
Date & Time of Event	**01-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**Periyar EVR Central Library**
Name of Coordinators	**Prof. Shanthi C, Prof. Monica Sylviyana**
Name of Resource Persons	**Sasidranath Kuppuraj**
Abstract	**Importance of Standards in Academics. Pearson E-Library product orientation**

Certification:

Certified No.	Average of Feedback
16	**91.85**

24. Event ID	**TLCE20240052**
Title of the Event	**Important of standards and e-library products in academics and research**
Date & Time of Event	**03-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**Periyar EVR Central Library**
Name of Coordinators	**Prof. Shanthi C, Prof. Monica Sylviyana**
Name of Resource Persons	**Dr Periasamy Pradeep R**
Abstract	**The effective use of EBSCO AND SCOPUS**

Certification:

Certified No.	Average of Feedback
31	**91.85**

25. Event ID	**TLCE20240053**
Title of the Event	**Navigating the scholarly publishing landscape: Insights for faculties and research scholars**
Date & Time of Event	**08-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**Periyar EVR Central Library**
Name of Coordinators	**Prof. Shanthi C, Prof. Monica Sylviyana**
Name of Resource Persons	**Sangeeta Menon**
Abstract	**Emerald**

Certification:

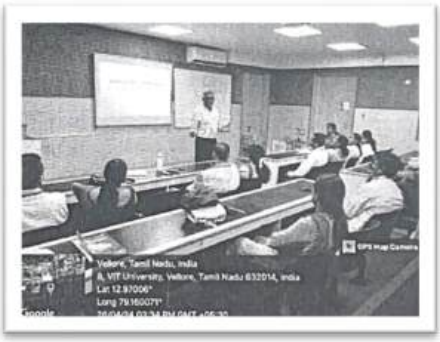
Certified No.	Average of Feedback
17	**88.42**

26. Event ID	**TLCE20240059**
Title of the Event	**Real life hard hitting corner stones established by the courts**
Date & Time of Event	**18-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Advanced Sciences [SAS]**
Name of Coordinators	**Prof. Deepa G, Prof. Rajakumar K**
Name of Resource Persons	**Adv Vijay Surana Sujatha V**
Abstract	**Copyright law applies to intellectual works. A wide and diverse range of materials are protectable under copyright law. Books, journals, photographs, art, music, sound recordings, computer programs, websites, and many other materials are within the reach of copyright law. Also protectable are motion pictures, dance choreography, and architecture. If you can see it, read it, hear it, or watch it, chances are it is protectable by copyright law.**

Certification:

Certified No.	Average of Feedback
11	**96.85**

27. Event ID	**TLCE20240070**
Title of the Event	**Work-life balance in Academic Institutions and Happiness Index**
Date & Time of Event	**26-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Bio Sciences and Technology [SBST]**
Name of Coordinators	**Prof. Mohanasrinivasan V, Prof. Subathradevi C**
Name of Resource Persons	**Dr S Riasudeen Aravind Warrier**
Abstract	**Having a balance between work and home life can be a challenge. With this challenge come great rewards when it is done successfully. By balancing a career with home life it will provide benefits in each environment. You will become healthier, mentally and physically, and you will be able to produce more career wise. With a Work-Life Balance you will be managing your time better. Better time management will benefit all aspects of life you will be working less and producing more.**



Certification:

Certified No.	Average of Feedback
24	**94.71**

28. Event ID	**TLCE20240071**
Title of the Event	**Mastering the Scientific Literature Review and Best Citation Practices: A Guide for Researchers**
Date & Time of Event	**13-May-2024 & 10.00 am to 05.30 pm**
Name of the school	**Periyar EVR Central Library**
Name of Coordinators	**Prof. Shanthi C, Prof. Monica Sylviyana**
Name of Resource Persons	**Srijith Sasidharan Subhasree Nag**
Abstract	**Mastering the Scientific Literature Review and Best Citation Practices: A Guide for Researchers. Empowering Research and Teaching with ProQuest Databases**

Certification:

Certified No.	Average of Feedback
23	**94.57**

4. Two - Days Faculty Development Programme

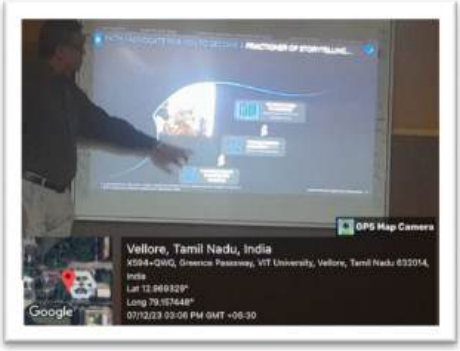
SL. NO.	TITLE OF FDP's	NO. OF REGISTRATIONS
29	Research Insights in Artificial Intelligence, Machine Learning and Deep Learning	139
30	Stories light a fire under audiences to act and deliver game-changing innovation. Logic by itself doesn't spark a flame.	38
31	BASIC LIFE SUPPORT (BLS) AND FIRST AID	42
32	TWO DAY FDP ON THE MULTIPLE FACETS OF DRUG DISCOVERY AND DEVELOPMENT	93
33	Writing and publishing high-quality research papers with LaTeX	89

29. Event ID	**FDP20230197**
Title of the Event	**Research Insights in Artificial Intelligence, Machine Learning and Deep Learning**
Date & Time of Event	**22-24-AUG-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Sahaaya Arul Mary S A, Prof. Akila Victor**
Name of Resource Persons	**Mr Sreekanth Tadakaluru Mr Aswath Rao V S Mr Balaji J**
Abstract	• **Introduction to Analytics, Data Source and Data Queries , python Libraries for Data wrangling and Visualization, deep Learning, Classification** • **Regression, Decision Trees, SVM Algorithms, Clustering Techniques, Probabilistic and Association Rules, Keras and Tensor Flow, Recommendation System**

Certification:

Certified No.	Average of Feedback
49	**92.71**

30. Event ID	**TLCE20230038**
Title of the Event	**Stories light a fire under audiences to act and deliver game-changing innovation. Logic by itself doesn't spark a flame.**
Date & Time of Event	**07-08-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Chemical Engineering [SCHEME]**
Name of Coordinators	**Prof. Anand V Prasad Gurumoorthy,Prof. Sivagami K**
Name of Resource Persons	**Ramesh Kumar Ramamurthy**
Abstract	**Innovation is accelerating. The good news is collaboration across disciplines delivers game changing innovations with lower failure rates. However, this requires experts able to inspire colleagues and explain complex topics simply and in a memorable manner. Hence developing a working knowledge of the science and art of story building and storytelling is imperative. As Steve Jobs said, The most powerful person is the storyteller. The storyteller sets the vision and agenda for generations. The best CEOs know this. Like Prof. Feynman, the great explainer, capture the heart of your audience with crisp, simple and compelling narratives. Inspire students and accelerate VIT strategic development. Avoid terrible tales. Learn ten narrative recipes for compelling stories. This workshop blends science and art theory and practical sessions to build skills. Your instructor who is an Executive Vice President at Capgemini has honed these techniques by training thousands of top executives worldwide in his company on storybuilding and storytelling, holds degrees BTech from IIT Madras and MS from UC Irvine, and has invented multiple digital solutions and methods for his company.**



Certification:

Certified No.	Average of Feedback
22	95.42

31. Event ID	**TLCE20230049**
Title of the Event	**BASIC LIFE SUPPORT (BLS) AND FIRST AID**
Date & Time of Event	**13-14-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Mechanical Engineering [SMEC]**
Name of Coordinators	**Prof. Renold Elsen, Prof. Srinivasan Narayanan**
Name of Resource Persons	**Dr Amala Deepan Pragasam Dr Santhakumar Asansi Jose**
Abstract	**Cardiac arrest is a sudden and unexpected loss of heart function. It is a medical emergency that requires immediate attention. In India, cardiac arrest is a leading cause of death, accounting for an estimated 1.5 million deaths each year. The incidence of cardiac arrest is estimated to be around 200 cases per 100,000 people each year in India. This is higher than the incidence in many developed countries. The high incidence of cardiac arrest in India is likely due to a number of factors, including An aging population, Increasing prevalence of risk factors for heart disease, such as diabetes, hypertension, and high cholesterol, Lack of awareness of the signs and symptoms of cardiac arrest, Low bystander CPR rates Need for Awareness program for Cardiopulmonary resuscitation (CPR) CPR is a life-saving technique that can double or triple a person's chances of survival after cardiac arrest. CPR involves chest compressions and rescue breaths to keep blood and oxygen flowing to the brain and other vital organs until more advanced medical care is available. CPR awareness programs can help to improve bystander CPR rates and increase the chances of survival for people who experience cardiac arrest outside of a hospital setting. These programs can be tailored to different audiences, including faculty members. CPR awareness programs for faculty are important for a number of reasons. First, CPR can double or triple a person's chances of survival after cardiac arrest. Second, faculty members are in a unique position to help others, as they are often surrounded by students and colleagues. Third, faculty members can help to promote CPR awareness and training throughout the school community.**

Certification:

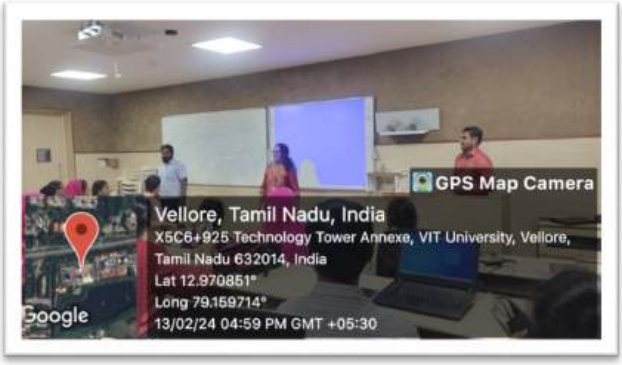
Certified No.	Average of Feedback
23	94.57

32. Event ID	**TLCE20230085**
Title of the Event	**TWO DAY FDP ON THE MULTIPLE FACETS OF DRUG DISCOVERY AND DEVELOPMENT**
Date & Time of Event	**10-11-JAN-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Bio Sciences and Technology [SBST]**
Name of Coordinators	**Prof. Suresh P.K, Prof. Godwin Christopher J**
Name of Resource Persons	**Dr. Subrahmanyam Vangala Dr. B Manivannan Dr. Sonika Bhatnagar Dr. Imran Siddiqui**
Abstract	**This 2 day FDP (4 sessions) will focus on the following preclinical, clinical and regulatory aspects involved in drug development (culminating in the launching of the product. Also, on the changing landscape from animals to human based micro physiological (MPS) models and the challenges ahead. In addition, this FDP will involve hands-on training on the following simulation of ligand-receptor network pharmacology (drug target selection and prediction interaction network biology omics data-based analysis)**

Certification:

Certified No.	Feedback Given	Average of Feedback
61	**44**	**91.28**

33. Event ID	**TLCE20240010**
Title of the Event	**Writing and publishing high-quality research papers with LaTeX**
Date & Time of Event	**12-13-Feb-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Social Sciences & Languages [SSL]**
Name of Coordinators	**Prof. Balamurugan**
Name of Resource Persons	**Rajkumar S Easwaramoorthy Nalliah M Rajasekaran G**
Abstract	**Writing and publishing high-quality research papers with LaTeX is a skill that can help to communicate scientific ideas effectively and efficiently. LaTeX is a typesetting system that helps to create professional-looking documents with complex mathematical expressions, figures, tables, references, and more. This faculty development programme will provide some tips and resources on how to write and publish high-quality research papers with LaTeX.**



Certification:

Certified No.	Average of Feedback
61	**92.57**

5. Three - Days Faculty Development Programme

SL. NO.	TITLE OF FDP's	NO. OF REGISTRATIONS
34	B5G/6G Technologies for Wireless Communications	66
38	Recent trends in Machine/Deep Learning for Computer Vision and Biomedical Applications	93
36	AI Tools for Scientific writing	152
39	Recent trends in cyber security and its future perspectives	58
35	Machine Learning and Deep Learning techniques in applied research	141
37	Recent Trends in Artificial Intelligence and Machine Learning	135
40	Current Scope and Future Challenges in Electronics Engineering	87
41	FDP on Characterization of Proteins	53
42	Mastering the Data: Hands-on Training of Statistical Package for the Social Sciences (SPSS) for Researchers	58

34. Event ID	**FDP20230173**
Title of the Event	**B5G/6G Technologies for Wireless Communications**
Date & Time of Event	**02-04-AUG-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Electronics Engineering [SENSE]**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Dr Varun Kumar Dr S Anuradha Dr Harigovindan V P Dr Anoop Kumar Mishra Dr Miriyala Mahesh Dr Avik Banerjee**
Abstract	• **Modelling channel access mechanism in next generation wireless network** • **Introduction to 5G Beyond 5G and 6G Communications** • **Cyber-Physical Systems (CPS) for Next-Generation Internet of Vehicles (IoVs)** • **Energy Harvesting based Cooperative Cognitive radio networks** • **Low Density Parity Check Code (LDPC) for 5G Communication** • **NOMA-IoT networks for 5G and beyond**

Certification:

Certified No.	Average of Feedback
15	**86.42**

35. Event ID	**FDP20230188**
Title of the Event	**Machine Learning and Deep Learning techniques in applied research**
Date & Time of Event	**04-06-SEP-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Perepi Rajarajeswari, Prof. Vinila Jinny**
Name of Resource Persons	**Dr M Venkatesan Dr J V Bibal Benifa**
Abstract	• **Machine Learning and Deep Learning techniques for real world problems** • **Machine learning algorithms** • **Deep learning algorithms for Societal development**

Certification:

Certified No.	Average of Feedback
31	**95.14**

36. Event ID	**FDP20230193**
Title of the Event	**AI Tools for Scientific writing**
Date & Time of Event	**28-30-AUG-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Ramanathan L, Prof. Ramani S**
Name of Resource Persons	**Dr K S Sowmiya Rani K Padmavathi**
Abstract	• **BioRender** • **Vectr** • **Inkscape** • **Leonardo**

Certification:

Certified No.	Average of Feedback
56	**93**

37. Event ID	**FDP20230195**
Title of the Event	**Recent Trends in Artificial Intelligence and Machine Learning**
Date & Time of Event	**12-14-SEP-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Ganesh Shamrao Khekare, Prof. Goutam Majumder**
Name of Resource Persons	**Dr Gagan Raj Gupta Dr Kumari Nidhi Lal Dr Partha Pakray Dr Richa Makhijani Dr Jitesh Pradhan Dr Anu Singha**
Abstract	• **Federated Learning and Distributed Graph Neural Networks,** • **Natural Language Processing Trends and Applications,** • **Naive bayes classifier and SVM,** • **Applications of Convolutional Neural Networks for Medical Imaging** • **Applied ML in Healthcare** • **Handcrafted Feature Extraction for Content based Image Retrieval,** • **Most of the sessions are Hands On**

Certification:

Certified No.	Average of Feedback
25	**91.71**

38. Event ID	**FDP20230203**
Title of the Event	**Recent trends in Machine/Deep Learning for Computer Vision and Biomedical Applications**
Date & Time of Event	**21-23-AUG-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Electronics Engineering [SENSE]**
Name of Coordinators	**Prof. Gopinath P, Prof. Nisha J S**
Name of Resource Persons	**Dr Sasikala S Dr Varun P Gopi Dr Venkatanareshbabu Kuppili Dr Harikrishnan P M Dr Amol D Rahulkar Dr Malaya Kumar Nath**
Abstract	• **Introduction to deep learning and applications in biomedical image processing** • **Machine Learning in Medical Diagnosis: An Application and Research Perspective** • **Risk stratification of fatty liver using extreme learning machine** • **Generative AI for vision, and language in healthcare applications** • **Need of Hardware Accelerators for Deep Neural Networks in Cutting Edge Technologies** • **Deep learning techniques in skin cancer Detection**

Certification:

Certified No.	Average of Feedback
29	**93.85**

39. Event ID	**FDP20230206**
Title of the Event	**Recent trends in cyber security and its future perspectives**
Date & Time of Event	**04-06-SEP-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Adaline Suji R, Prof. Priyanka N**
Name of Resource Persons	**Dr Sivaraman Eswaran Ms Reshmi TR Ms Kavitha Srinivasulu Mr Prabhakaran V M**
Abstract	• **Data Protection and its importance** • **Emerging Trends in Cybersecurity** • **Security Onion for Real-Time Threat Detection and Response** • **Research Frontiers in Cyber Security** • **Accelerating Digitalization: Cyber Security**

Certification:

Certified No.	Average of Feedback
11	**92.71**

40. Event ID	**FDP20230225**
Title of the Event	**Current Scope and Future Challenges in Electronics Engineering**
Date & Time of Event	**20-22-SEP-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Electronics Engineering [SENSE]**
Name of Coordinators	**Prof. Naveen Mishra, Prof. Dilip Kumar Choudhary**
Name of Resource Persons	**Dr Debdeep Sarkar Dr Lokesh Bramhane Dr Rakesh Chowdhury Dr Govind Murmu Dr Ashish Ranjan Dr shanmugakumar murugesan**
Abstract	• **Memristor: A Potent Circuit Element in Analog Circuit** • **Design of Reconfigurable Intelligent Surfaces for 6G using Metasurface Based Anomalous Reflectors** • **Electronics for Indian Agriculture** • **Exploration of Semiconductor Devices for the enhancement of Silicon Industry** • **Adaptive Filter and Mechanism** • **Circularly Polarized Dielectric Resonator Antennas: Fundamentals, Ideas and Analysis**

Certification:

Certified No.	Average of Feedback
25	**92.85**

41. Event ID	**TLCE20240032**
Title of the Event	**FDP on Characterization of Proteins**
Date & Time of Event	**02-04-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**Centre for Bio-Separation and Technology [CBST]**
Name of Coordinators	**Prof. Jayaprakash S, Prof. Sabareesh V**
Name of Resource Persons	**Dr Raju Naini Dr Bhaskar Bhaskar Mr Karthik Senan Dr. Chanakya Nugoor Dr Saravanan Kumar Dr Kalyan Chakrabarti Dr S Ganesh**
Abstract	**Proteins are essential for the survival and normal functioning of all biological systems. Many biotechnology industries, such as biopharmaceutical and food technology industries are keenly involved in the making of different types of proteins for various purposes. In particular, the biopharmaceutical industries major focus is on therapeutic proteins to treat various diseases or disorders. So, characterization of proteins is essential, in order to check the quality, especially to examine and improve the efficacy of the therapeutic proteins. Various tools are required for proteins characterization, for example, spectroscopic techniques such as circular dichroism, nuclear magnetic resonance (NMR) spectroscopy, etc. Knowledge about such techniques is therefore essential, so that the proteins can be characterized in the best possible manner. Hence, the purpose of this FDP is to introduce some emerging areas or concepts pertaining to the techniques used for characterizing proteins. Emerging concepts in the fields of chromatography, surface plasmon resonance, circular dichroism spectroscopy, NMR spectroscopy, immunotechnology and mass spectrometry are the areas that are intended to be introduced through this FDP. Totally several resource persons from industries and academia are being invited for this FDP. Through this FDP, it is hoped that the participants are not only introduced to the emerging concepts areas, but also can understand various types of intricacies and nuances implicated in the aforementioned techniques.**

Certification:

Certified No.	Feedback Given	Average of Feedback
29	24	93.42

42. Event ID	**TLCE20240049**
Title of the Event	**Mastering the Data: Hands-on Training of Statistical Package for the Social Sciences (SPSS) for Researchers**
Date & Time of Event	**15-17-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Social Sciences & Languages [SSL]**
Name of Coordinators	**Prof. Balamurugan J, Prof. Prabakar S**
Name of Resource Persons	**Prof N Audinarayana Balamurugan J Prabakar S Sriram**
Abstract	**This FDP equips researchers with the necessary skills to confidently utilize the Statistical Package for the Social Sciences (SPSS) for data analysis in their research projects. The hands-on training approach emphasizes practical application through real-world examples, allowing participants to gain proficiency in Data entry and manipulation, Descriptive, statistics, Hypothesis testing, Regression analysis, and Data visualization. By the end of the programme, researchers will be able to effectively analyze their data using SPSS, interpret results, and communicate findings clearly and concisely. This FDP is ideal for researchers with basic computer skills and no prior experience with SPSS.**

Certification:

Certified No.	Average of Feedback
21	**93.28**

6. One - Week Faculty Development Programme

SL. NO.	TITLE OF FDP's	NO. OF REGISTRATIONS
43	IoT and EdgeAI: Bringing Intelligence Closer to Devices	108
44	Bio-inspired Mathematical Modelling	61
45	Artificial Intelligence in Solving Real World Problems (Part - II)	129
46	A Deep Insight into Cutting-edge Technologies of Cybersecurity, AI and Large Language Models	46
47	Comprehensive hands-on sessions on Computer vision and Artificial Intelligence towards applied research	61
48	Thinking and Innovation - Wireless Communications and Antenna Technologies	38
49	Recent Advances in integrating Machine Learning, Neural Network and Combinatorial Optimization	39
50	Recent Advancements in Nano Electronics and its Applications	50
51	Python Programming Essentials - OL mode	62
52	A practical approach to real world problems using AI and Deep Learning	41
53	Research Avenues using Deep Learning and Intuitionistic fuzzy in applied research - Prediction, Image analysis and Representations	52
54	Python Programming in OL mode	46
55	Building Intelligent Decision Support Systems and Harnessing the Power of Explainable AI - A Hands-on FDP	46
56	INDIAN CONSTITUTION - OL MODE	45
57	Student Centred Innovation Empowering Faculty through Design Thinking for Enhanced Learning Experiences	45
58	Artificial Intelligence for Environmental and Water Resources Engineering	50
59	Un-hashing the cryptos of Blockchain	40
60	Hands on training on writing research articles with LaTeX and AI Tools	88
61	Applied Visualization, Analysis and Processing of Textual Data and Speech Signals using AI and ML	27
62	Empirical approach to Deep Generative AI with Large Language Model and Computer Vision	50
63	IOT Security Threats and Mitigations	50

64	Current Developments in Mathematics with Applications in Sciences and Technology (CDMAST-2023)	72
65	Multi-Objective Optimization and Multi-Criteria Decision Making	48
66	In search of Excellence Developing STRATEGIC Communication Skills	41
67	Trace Elements for health and environment	65
68	Foundations of Machine Learning	65
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43. Event ID	**FDP20230172**
Title of the Event	**IoT and EdgeAI: Bringing Intelligence Closer to Devices**
Date & Time of Event	**11-15-SEP-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Mr S Karthikeyan Mr Johnson**
Abstract	• **Day1:Unleashing the Power of IoT From Concept to Creation -HandsOn : IR , PIR, Ultrasonic Sensor, DHT11 sensor Interface** • **Day2:Application Development using Analog & Digital sensors HandsOn:Analog Sensor Interfacing applications** • **Day3: Real time data monitoring application development Hands-On : Open source IoT cloud and end device** • **Day4:Introducion to Bluetooth Low Energy Protocol(4.1EDR) (IoT BLE beacons) Hands-On : Blutooth Low Energy 4.1 (Battery Operated Applications)** • **Day5: EDGE AI (AIoT) (USE CASE - FITNESS BAND DEVELOPMENT) DEMO : Testing the ALgorithm in NRF52480 real time harware**

Certification:

Certified No.	Average of Feedback
25	97.28

44. Event ID	**FDP20230181**
Title of the Event	**Bio-inspired Mathematical Modelling**
Date & Time of Event	**31-JUL-04-AUG-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Advanced Sciences [SAS]**
Name of Coordinators	**Prof. Debaroti Das, Prof. Sanghasri Mukhopadhyay**
Name of Resource Persons	**Prof Sitabhra Sinha Prof Malay Banerjee Prof Soumyendu Raha Prof Areejit Samal Mr Shakti N Menon Reenu Rani Satarupa Banerjee**
Abstract	• **Mathematical modelling** • **Computational Biology** • **Stochastic Differential Equation**

Certification:

Certified No.	Average of Feedback
19	**85.85**

45. Event ID	**FDP20230198**
Title of the Event	**Artificial Intelligence in Solving Real World Problems (Part - II)**
Date & Time of Event	**11-15-SEP-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Electronics Engineering [SENSE]**
Name of Coordinators	**Prof. Konguvel E, Prof. Saraswathi Priyadharshini A**
Name of Resource Persons	**Dr M Saravanapriya Dr Ram Prasad Krishnamoorthy Dr G R Kanagachidambaresan Mr M Deepan Raj Dr G Kavitha Mr Shri Jai Ganesh Suresh Dr B Surendiran Prof Balasubramanian P Dr Malaya Kumar Nath Hemprasad Yashwant Patil**
Abstract	• **Evolution NLP models - from RNN to GPT** • **Role of IoT & Expert Systems in Sustainable Development** • **Application of Machine Learning & Artificial Intelligence in Energy Systems** • **Deep Learning for Cancer Identification** • **Fake News Detection** • **AI in Diagnosis of Brain Disorders** • **Dimensionality Reduction Techniques** • **Supervised Learning Techniques for Healthcare** • **GAN Architecture with Deep Fake Technology** • **AI in Forensics**

Certification:

Certified No.	Average of Feedback
34	95

46. Event ID	**TLCE20230001**
Title of the Event	**A Deep Insight into Cutting-edge Technologies of Cybersecurity, AI and Large Language Models**
Date & Time of Event	**17-21-OCT-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Varalakshmi M, Prof. Mary Mekala A**
Name of Resource Persons	**Naman Tandon Anirudha Simha Dr Ganesh Kumar P Peer Mohamed P U Jyoti Prakash Singh Ranjith A Aruna Rani Raja Ganesh Durgesh Kumar Anil Kumar K**
Abstract	**This FDP is planned to bring together academic and industry experts working in the cutting edge technologies of cybersecurity, cloud computing and cloud security, Machine Learning, Natural Language Processing and Large Language models to share their thoughts, ideas and experiences to the faculty and research scholars. This will give a broad overview of the various domains and provide future research directions.**

Certification:

Certified No.	Average of Feedback
17	**92**

47. Event ID	**TLCE20230012**
Title of the Event	**Comprehensive hands-on sessions on Computer vision and Artificial Intelligence towards applied research**
Date & Time of Event	**16-20-OCT-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Pradeepa M, Prof. Ramya G**
Name of Resource Persons	**Mohanraj Vengadachalam Deepan Raj Dr V Sathiesh Kumar Arun Ponnusamy Jai Ganesh Suresh**
Abstract	**Day1 will be handled by Arun Ponnusamy, Founder and CEO, Vision Geek Labs, Coimbatore. He will discuss about Computer Vision in the Real World (Part I) - Computer Vision with OpenCV & Python and Computer Vision with Dlib & Python in forenoon session and Computer Vision in the Real World (Part II) - Object Detection with Detection Transformer & PyTorch and Image Segmentation with Segment Anything Model (SAM) in afternoon. Day2 will be handled by Mohanraj Vengadachalam, Senior Manager AIML Delivery Lead at Standard Chartered GBS Chennai. He will discuss about Neural Networks - Feed forward and back propagation neural networks, activation function, dropout and batch normalization, weight initialization, early stopping and model checkpoints with hands on. Day3 will be handled by Deepan Raj, currently working as Lead Data Scientist at HCL Techologies, Chennai. He will discuss about Evolution of transformers from RNN to GPT models with hands on. Day 4 will be handled by Jai Ganesh Suresh, Currently working as Data Science Architect at Ericsson in AI Research & Development, Chennai. He will discuss about Confluence & model development of CNN architecture and GAN Architecture with deep fake technology with hand on. Day 5 will be handled by Dr. V. Sathiesh Kumar, working as an Assistant Professor in the Department of Electronics Engineering, MIT Campus, Anna University, Chennai. He will discuss about Implementation of Deep Learning algorithms using Tensor flow API with hands on.**

Certification:

Certified No.	Average of Feedback
44	**94.57**

48. Event ID	**TLCE20230013**
Title of the Event	**Thinking and Innovation - Wireless Communications and Antenna Technologies**
Date & Time of Event	**16-20-OCT-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Electronics Engineering [SENSE]**
Name of Coordinators	**Prof. Abhijit Bhowmick, Prof. Yogesh Kumar Choukiker**
Name of Resource Persons	**Dr Pyari Mohan Pradhan Dr Karthikeyan S S Dr T Shanmuganantham Dr Runa Kumari Dr Aniruddha Chandra Dr Sanjay Dhar Roy Dr Santi P Maity Dr Sumit Kundu**
Abstract	**An overview of the state-of-the-art, ongoing, and upcoming research in the area of wireless communications and antenna technologies will be provided through this faculty development program (FDP). It will go over the difficulties with antenna design and potential solutions. In 5G and future networks, it discusses contemporary handoffs, spectrum, security, and energy efficiency. Energy harvesting and current data protocol trends in IoT networks will also be explored. A single hands-on session will take place. The application of machine learning to wireless communications will be discussed in this FDP.**

Certification:

Certified No.	Average of Feedback
22	**93.42**

49. Event ID	**TLCE20230014**
Title of the Event	**Recent Advances in integrating Machine Learning, Neural Network and Combinatorial Optimization**
Date & Time of Event	**16-20-OCT-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Advanced Sciences [SAS]**
Name of Coordinators	**Prof. Kavitha K, Prof. Anuradha D**
Name of Resource Persons	**Prof Sanjeev Kumar Prof Anshu Gupta Prof Samarjit Kaur Prof Nagamani Prof Vijayalakshi C Prof Pitam singh Prof Nita H shah Prof Sankar Kumar Roy Prof Lakshmana Gomathi Nayagam Prof Sivaraj R Dr C Vijayalakshmi Samarjit Kar Kavitha K**
Abstract	**A multiobjective combinatorial optimization problem has found wide applicability in most of our day to day affairs, ranging from industrial academic, logistic to manufacturing applications and so on. In the recent years, neural network and machine learning has developed some preliminary but promising approaches to deal with multiobjective combinatorial optimization problems. This workshop will bring together experts in optimization, combinatorial optimization, machine learning, neural network and specific applicative domains to establish the current state of these emerging techniques and discuss the next directions.**

Certification:

Certified No.	Average of Feedback
14	**91.71**

50. Event ID	**TLCE20230016**
Title of the Event	**Recent Advancements in Nano Electronics and its Applications**
Date & Time of Event	**04-08-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Electronics Engineering [SENSE]**
Name of Coordinators	**Prof. Shelja, Prof. Prachi Sharma**
Name of Resource Persons	**Dr Gopal Rawat Dr Harshit Agarwal Dr Girish Pahwa Dr Tarun Chaudhary Dr Navneet Gupta Dr Gopi Krishna Saramekala Samuel Tensingh Sri Adibhatla Sridevei Sandeep Moparthi Naushad Manzoor Laskar Suryatejanagasrinivas P**
Abstract	**Nanotechnology is helping to considerably improve, even revolutionize, many technology and industry sectors such as information technology, homeland security, medicine, transportation, energy, food safety etc. Nanotechnology assures to be the base of the upcoming industrial revolution. Nanoelectronics, formed by combining nanotechnology and electronics, deals with the handling, characterization, engineering, and manufacturing of electronic devices at the nanoscale. The FDP will feature talks by the experts from different reputed academic organizations about recent advancements in nanoelectronics and its applications. The FDP will provide a detailed review of nanotechnology, its approach towards nanoelectronics, classification and types of nanomaterials used in nanoelectronics, application areas of nanoelectronics and characterization at nanoscale. This FDP will motivate faculty as well as research enthusiasts to venture towards the latest arenas in nanoelectronics such as NCFETs, 2D materials, nano sensors etc. The targeted audience are faculty members research scholars, postgraduate and undergraduate students working in nanoelectronics and nanotechnology.**

Certification:

Certified No.	Average of Feedback
28	**95.57**

51. Event ID	**TLCE20230017**
Title of the Event	**Python Programming Essentials - OL mode**
Date & Time of Event	**16-20-OCT-2023 & 10.00 am to 05.30 pm**
Name of the school	**VIT online learning Institute [VITOL]**
Name of Coordinators	**Prof. Moharn K, Prof. John Sushil Packiaraj**
Name of Resource Persons	**Dr. Mohan K**
Abstract	**Foundation training program to learn Python programming from scratch**

Certification:

Certified No.	Average of Feedback
22	**94.71**

52. Event ID	**TLCE20230018**
Title of the Event	**A practical approach to real world problems using AI and Deep Learning**
Date & Time of Event	**16-20-OCT-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Anuradha J, Prof. Santhi H**
Name of Resource Persons	**Dr U S N Raju Dr Malaya Kumar Nath Dr Ansuman Mahapatra Dr Ram Prasad Padhy Dr Rahul Raman Kathiravans S Durgesh Kumar**
Abstract	**A five-day FDP on a practical approach to real world problems using AI and Deep Learning by various experts from reputed universities which focuses computer vision analysis, big image data processing, self-driving cars, biometric intelligence, visual analysis for pedestrian safety, etc.**

Certification:

Certified No.	Average of Feedback
17	**91.14**

53. Event ID	**TLCE20230019**
Title of the Event	**Research Avenues using Deep Learning and Intuitionistic fuzzy in applied research - Prediction, Image analysis and Representations**
Date & Time of Event	**16-20-OCT-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Anitha A, Prof. Jenicka S**
Name of Resource Persons	**Jude Hemanth Kumaran Pazhamalai M A Rifayathali Mohammed Fathimal Rajesh P Fathima G Debi Prasanna Acharjya Ganesan K Kathiravans Jenicka S Anitha A**
Abstract	**A subset of machine learning (ML) and artificial intelligence (AI), deep learning (DL) is now seen as a key technology of the Automated techniques. A hot issue in computing due to its data-driven learning capabilities, deep learning (DL) technology, which is derived from artificial neural networks (ANN), is used extensively in a variety of fields, including healthcare, visual identification, text analytics, cybersecurity, and many more. However, because real-world problems and data are dynamic and variable, creating an acceptable DL model is a difficult undertaking. Additionally, DL techniques become black-box devices due to a lack of fundamental understanding, which hinders growth at the standard level. This article provides a structured and thorough overview of DL approaches, including a taxonomy that takes into account different kinds of supervised and unsupervised tasks that may be encountered in the real world. We include deep networks for supervised or discriminative learning, unsupervised or generative learning, hybrid learning, and other pertinent ones in our taxonomy. We also include the areas of practical applicability for deep learning techniques using intuitionistic fuzzy relationship. With research recommendations, we conclude by highlighting ten potential aspects for next-generation DL modeling.**

Certification:

Certified No.	Average of Feedback
20	**94.85**

54. Event ID	**TLCE20230024**
Title of the Event	**Python Programming in OL mode**
Date & Time of Event	**11-15-SEP-2023 & 10.00 am to 05.30 pm**
Name of the school	**VIT online learning Institute [VITOL]**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Mohar K Rajkumar S**
Abstract	**Foundation training program to learn Python programming from scratch**

Certification:

Certified No.	Average of Feedback
21	**92.71**

55. Event ID	**TLCE20230028**
Title of the Event	**Building Intelligent Decision Support Systems and Harnessing the Power of Explainable AI - A Hands-on FDP**
Date & Time of Event	**27-NOV-01-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Lawanya Shri M, Prof. Santhi K**
Name of Resource Persons	**Shriram Kris Vasudevan Balamurugan Balusamy G Kumaravelan Bhaskar Tripathi Sabarinath Shanugasundaram M Amutha Prabakar Nallakaruppan M K**
Abstract	**In an era marked by the proliferation of data and complexity in decision-making processes, Intelligent Decision Support Systems (IDSS) have emerged as indispensable tools for aiding individuals and organizations in making informed and timely decisions. By leveraging advanced technologies such as artificial intelligence, machine learning, deep learning, and XAI empower users to analyze vast datasets, identify patterns, and generate meaningful recommendations. Explainable Artificial Intelligence (XAI) represents a critical frontier in the evolution of artificial intelligence, addressing the inherent opacity of complex machine learning models. This FDP sheds light on the multifaceted aspects of intelligent decision support systems, emphasizing their transformative potential in revolutionizing decision-making paradigms across various sectors.**

Certification:

Certified No.	Average of Feedback
18	**97.28**

56. Event ID	**TLCE20230033**
Title of the Event	**INDIAN CONSTITUTION - OL MODE**
Date & Time of Event	**30-OCT-03-NOV-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Social Sciences & Languages [SSL]**
Name of Coordinators	**Prof. Nilavathy K, Prof. Bangalore Morarji**
Name of Resource Persons	**Usha S Sivakumar C L V**
Abstract	**This FDP is on "Indian Constitution". FDP is organised to provide a basic idea on the concept of Indian constitution to the faculty members. The faculty members who are attending the course will be able to understand the contemporary challenges and apply the knowledge gained to analyse the recent cases related to Indian constitution. The FDP will throw the light on the basic Indian laws which is more important for even a lay man's understanding.**

Certification:

Certified No.	Average of Feedback
34	**92.71**

57. Event ID	**TLCE20230036**
Title of the Event	**Student Centred Innovation Empowering Faculty through Design Thinking for Enhanced Learning Experiences**
Date & Time of Event	**04-08-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Social Sciences & Languages [SSL]**
Name of Coordinators	**Prof. Sunitha V, Prof. Sarika Gupta**
Name of Resource Persons	**Ravi Shankar Saripalle Denish Raja Durai K**
Abstract	**The event titled Student Centred Innovation Empowering Faculty through Design Thinking for Enhanced Learning Experiences is a one-day program dedicated to equipping faculty members with the principles and methodologies of design thinking to enhance the quality of learning experiences. Faculty teams engage in a real-life challenge, gaining a deep appreciation for the problem-solving approach of design thinking. Throughout the day, participants come to understand the significance of empathy, ideation, and prototype development within the design thinking process. By encouraging collaborative problem-solving and the cultivation of innovative solutions, this event's ultimate goal is to empower faculty members to create more student centered and effective learning experiences within the realm of education.**

Certification:

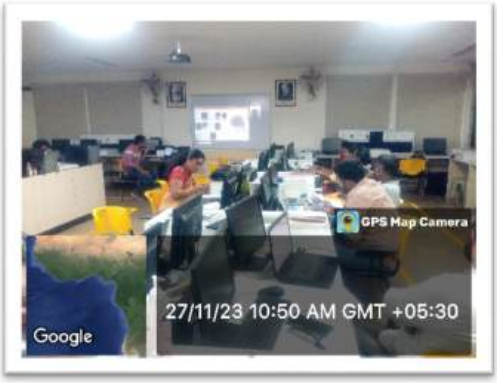
Certified No.	Average of Feedback
17	**96.28**

58. Event ID	**TLCE20230044**
Title of the Event	**Artificial Intelligence for Environmental and Water Resources Engineering**
Date & Time of Event	**04-08-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Civil Engineering [SCE]**
Name of Coordinators	**Prof. Uma Shankar M, Prof. Mahenthiran S**
Name of Resource Persons	**Dr R Maheswaran Dr L Surinaidu Dr Manish Pandey Dr. L Elango Dr Arunkumar R Dr Saravanan R Dr Hazi Azamathulla Dr Mohammad Saud Afzal Krishnakumar K Gopichand G**
Abstract	**Engineers have attempted to solve the problems in water resources with the help of empirical, regression based and numerical models. Empirical models are not universal, nor are regression-based models. The numerical models are, on the other hand, physics-based but require substantial data measurement and parameter estimation. Hence, there is a need to employ models that are robust, user-friendly, and practical and that do not have the shortcomings of the existing methods. The last few years have seen a dramatic increase in soft computing application in Environmental and Water resources engineering.. The Artificial Neural Network, Fuzzy Logic, and Genetic Algorithm are fairly new methods in water resources and Environmental engineering. Artificial intelligence methods meet this demand to be a definite need of the hour. Artificial intelligence in water resources and Environmental applications in Water quality include predicting and forecasting floods, predicting suspended sediment, predicting event-based flow hydrographs and Sedimentographs, locating seepage path in an earth-fill dam body, and the predicting dispersion coefficient in natural channels**

Certification:

Certified No.	Average of Feedback
23	**92.85**

59. Event ID	**TLCE20230045**
Title of the Event	**Un-hashing the cryptos of Blockchain**
Date & Time of Event	**27-NOV-01-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Electronics Engineering [SENSE]**
Name of Coordinators	**Prof. Christopher Clement J, Prof. Sriharipriya K**
Name of Resource Persons	**Dr Amit Dua Dr viney J ribeiro Dr Raju halder Dr s saroja Dr souradyuti paul Dr dorsala mallikarjun reddy**
Abstract	**Blockchain is an emerging technology for creating decentralized apps and data storage, beyond its use in the platform for cryptocurrency. Blockchain is an expanding list of records or blocks, connected by cryptography to ensure the security of transactions. Blockchain offers a public, decentralized ledger of all network transactions. Basically, this network is a series of computers that have to agree on a transaction before it can be confirmed and documented.**



Certification:

Certified No.	Average of Feedback
22	**94.14**

60. Event ID	**TLCE20230047**
Title of the Event	**Hands on training on writing research articles with LaTeX and AI Tools**
Date & Time of Event	**18-22-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. RAjkumar S, Prof. Krishnamoorthy A**
Name of Resource Persons	**Rajkumar S Krishnamoorthy A Anitha Devi V Sri Rama Vara Prasad Bhuvanagiri Nalliah M Rajasekaran G**
Abstract	**The FDP is primarily meant for all researchers of various disciplines. The expected outcome of any research is to bring out the quality of research work by publishing his or her papers in peer-reviewed journals. Most of the peer-reviewed conferences and journals expect authors to submit their papers in LaTeX format. Not only journals but also most of the Universities would expect the Thesis to be in LaTeX format only. The LaTeX is an extremely powerful typesetting language for creating structured documents. It is well suited for documents containing mathematics and also for other document writings. LaTeX provides a facility for portable document format (pdf) and postscript (ps) type of output.**

Certification:

Certified No.	Average of Feedback
46	**93.71**

61. Event ID	**TLCE20230048**
Title of the Event	**Applied Visualization, Analysis and Processing of Textual Data and Speech Signals using AI and ML**
Date & Time of Event	**27-NOV-01-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Swathi J N, Prof. Boominathan P**
Name of Resource Persons	**Dr Sheela Siddappa Dr B Lakshmipriya Dr Shriram K Vasudevan Mr Sundaram Ramanathan Dr ChandraMouli P V S S R Dr G Bharadwaja Kumar Dr Janaki Meena Dr D Saraswathi Margret Anouncia S Naveenkumar J Rajesh Kumar M**
Abstract	**FDP on Applied Visualization, Analysis and Processing of Textual Data and Speech Signals using AI and ML is devoted to fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects of text and speech processing techniques. As a scientific discipline both text and speech processing has a long history and it is intensively explored both by industry and academia. Current FDP will acts as a platform to understand and explore how text and speech processing is beneficial in several aspects in our day to day life with smart devices holding technological advancements**

Certification:

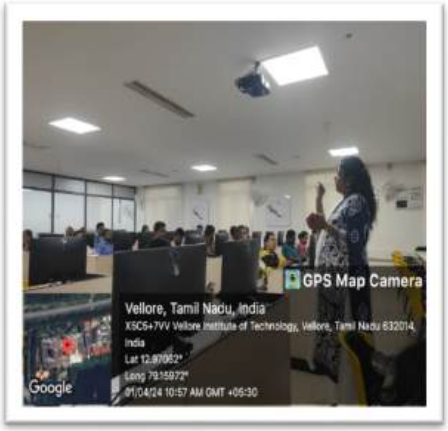
Certified No.	Average of Feedback
16	**95.14**

62. Event ID	**TLCE20230052**
Title of the Event	**Empirical approach to Deep Generative AI with Large Language Model and Computer Vision**
Date & Time of Event	**04-08-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Santhi K, Prof. Chellatamilan T**
Name of Resource Persons	**Dr V Ajantha Devi Dr Deiva Sundaram Nainar Dr Anusuman Mahapatra Dr Suresh Kannaiyan Dr Madhan Karthikeyan Saravanagur RA K Santhi K**
Abstract	**This Faculty Development Program equips educators with hands-on knowledge of deep generative AI, large language models, and computer vision. Participants explore the capabilities, limitations, and ethical considerations of these technologies in education. The program empowers faculty to innovate in teaching, research, and responsible AI use, preparing students for an AI-driven future.**

Certification:

Certified No.	Average of Feedback
29	**97.28**

63. Event ID	**TLCE20230053**
Title of the Event	**IOT Security Threats and Mitigations**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Prabin S M, Prof. Ajitha D**
Name of Resource Persons	**Dr Balasubramanian P Dr Sree Ranjani R Ms Harshitha Vijaya Kumar Dr Vikramkumar Pudi Aju D Shobha Rekh Saritha Murali Anil Kumar K Prabin S M Ajitha D**
Abstract	**The Internet of Things (IoT) is a rapidly growing network of physical objects that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data. IoT has the potential to revolutionize many industries, but it also introduces new security risks. This FDP will discuss the latest IoT security issues and mitigation Strategies and also learn few real time projects.**



Certification:

Certified No.	Average of Feedback
46	**89.28**

64. Event ID	**TLCE20230073**
Title of the Event	**Current Developments in Mathematics with Applications in Sciences and Technology (CDMAST-2023)**
Date & Time of Event	**18-22-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Advanced Sciences [SAS]**
Name of Coordinators	**Prof. Lakshmi Narayan Mishra, Prof. Rushi Kumar B**
Name of Resource Persons	**Prof Vishnu Narayan Mishra Prof Shikha Pandey Prof Mukesh Kumar Sharma Prof Jagadev Singh Prof Gadadhar Misra Prof Hossein Jafari Lakshmi Narayan Mishra**
Abstract	**CDMAST-2023 is a 5-day FDP designed to explore and disseminate the latest advancements in mathematical sciences and their practical applications in various engineering and technological domains. This FDP aims to bridge the gap between theoretical mathematical concepts and their real-world implementations, fostering a deeper understanding of the symbiotic relationship between mathematics, engineering, and technology. The program will feature a diverse range of sessions, including keynote lectures, interactive workshops, and hands-on tutorials, delivered by eminent Professors and experts in the field. Participants will delve into cutting-edge topics such as advanced mathematical methods, computational techniques, data analytics, and optimization methods, etc. The FDP will emphasize the interdisciplinary nature of mathematical sciences and its pivotal role in addressing contemporary challenges in technology-driven industries. The objectives of FDP are as follows, 1. To familiarize faculty members and research scholars with current trends and advancements in mathematical research. 2. To explore the applications of mathematics in sciences, engineering, and technology. 3. To enhance participants' problem-solving abilities using mathematical techniques. 4. Case studies highlighting the role of mathematics in understanding complex physical systems. 5. Hands-on exercises and demonstrations of mathematical applications in data analysis, artificial intelligence, and machine learning. 6. To encourage interdisciplinary research and collaboration between mathematics and other domains 7. To provide a platform for interaction and knowledge sharing among participants. This FDP promises to be an enriching and transformative experience, providing participants with the knowledge and skills needed to navigate the evolving landscape of mathematical sciences and technology integration.**

Certification:

Certified No.	Average of Feedback
31	90.28

65. Event ID	**TLCE20230077**
Title of the Event	**Multi-Objective Optimization and Multi-Criteria Decision Making**
Date & Time of Event	**08-12-JAN-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Chemical Engineering [SCHEME]**
Name of Coordinators	**Prof. Nirmala G S, Prof. Bandaru Kiran**
Name of Resource Persons	**G P Rangaiah Bandaru Kiran**
Abstract	**Optimization finds applications in almost all fields. In fact, we all optimize our daily activities, career, investments, travel etc. using our experience, intelligence, and qualitative assessment. On the other hand, quantitative models and optimization techniques are used in businesses, companies and industries. Commonly available, MS Excel spreadsheet has a built-in tool for optimizing a variety of applications. This comprehensive course begins with the definition of an optimization problem followed by description of several applications and principles of optimization techniques for single objective. Finally, it covers principles, applications, and programs for multi-objective optimization. It also illustrates the use of MS Excel for solving optimization problems. This course will be of interest and use to academic staff and researchers in engineering. Participants should have mathematics background from engineering studies.**

Certification:

Certified No.	Average of Feedback
23	**95.14**

66. Event ID	**TLCE20230078**
Title of the Event	**In search of Excellence Developing STRATEGIC Communication Skills**
Date & Time of Event	**18-22-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Social Sciences & Languages [SSL]**
Name of Coordinators	**Prof. Soumen Mukherjee, Prof. Laxmi Dhar Dwivedi**
Name of Resource Persons	**Dr Sindhu Dr Lata Dyaram Dr Rajesh NS Dr Viajaya V Dr V Lavanya Dr Dhanavel SP Amitava Mukherjee MD. Sahul Hameed M A Geetha Manivasagam Sridharan T B**
Abstract	**The foremost goal of this Faculty Development Programme is to ensure that the participants from diverse streams develop an exhaustive comprehension of strategic communication skills**

Certification:

Certified No.	Average of Feedback
24	**94.42**

67. Event ID	**TLCE20230080**
Title of the Event	**Trace Elements for health and environment**
Date & Time of Event	**04-08-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**Centre for Nanobiotechnology [CNBT]**
Name of Coordinators	**Prof. Mrudula P, Prof. Chandan Maity**
Name of Resource Persons	**Dr Kannan S Dr Jayakamar K Dr V Deepa Parvathi Dr Ratul Kumar Das Dr Marco Cordani Dr S Saravanan Dr Thillai Sivakumar N Dr Noel Jacob Kaleekkal Dr Sib Sankar Mal Dr P Senthil Kumar Chandra Sekaran N Amitava Mukherjee**
Abstract	**Trace elements (or trace metals) are minerals required or present in human body in small amounts. Some of them are essential for proper functioning of human and animal cellular mechanisms. They are critical for human health and lack of them lead to health issues. Some trace elements are considered potential soil contaminants, such as arsenic (As), antimony (Sb), cadmium (Cd), chromium (Cr), or lead (Pb). They become toxic at elevated levels and can be taken up by crops, especially those that grow on contaminated soils, and move up the food chain, eventually increasing human risks of diseases. This FDP was designed to give a glimpse of the recent research on the trace elements in the fields of health and also environment. The FDP includes 12 experts who are active researchers in this area, with 10 international and national experts and 2 internal experts. The FDP is relevant for researchers in the fields of Biotechnology, Chemistry and Environment.**

Certification:

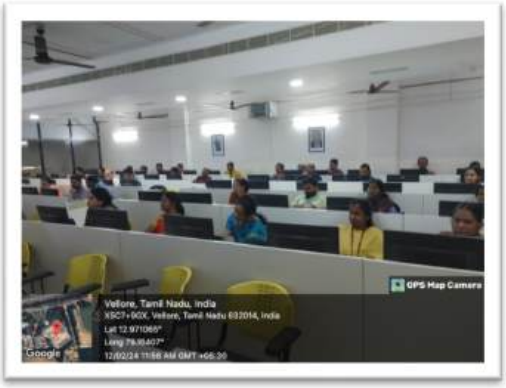
Certified No.	Average of Feedback
44	**86.85**

68. Event ID	**TLCE20230084**
Title of the Event	**Foundations of Machine Learning**
Date & Time of Event	**18-22-DEC-2023 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Vanitha M, Prof. Parimala M**
Name of Resource Persons	**Selva Rani B Ramkumar T Arun Pandian J Durai Raj Vincent**
Abstract	**Machine learning (ML) is the scientific study of algorithms and statistical models that computer systems use to perform a specific task without using explicit instructions, relying on patterns and inference instead. The purpose of machine learning is to discover patterns in the data and then make predictions based on often complex patterns to answer business questions, detect and analyze trends, and help solve problems. Machine learning is effectively a method of data analysis that works by automating the process of building data models. This FDP will cover the fundamental principles and techniques in machine learning techniques via theoretical aspects and hands-on experiments.**

Certification:

Certified No.	Average of Feedback
52	93.42

69. Event ID	**TLCE20240002**
Title of the Event	**Advanced Programming Tools and Techniques (AI, Data Analytics and Full Stack Development)**
Date & Time of Event	**12-16-Feb-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Pounambal M, Prof. Ranichandra C**
Name of Resource Persons	**Dr Clara Kanmani A Komal Baheti S Sivasankari Ragukumar P Viswanathan P Pounambal M**
Abstract	**To learn the models in Artificial Intelligence and Machine Learning. Have hands on practical experience in developing full stack application. Gain foundational knowledge, practical skills, and a functional understanding of how generative AI works. Understand the fundamentals of Azure Power BI and its key components and manage Azure ML Services, including creating and configuring compute, storage instances for ML models.**



Certification:

Certified No.	Average of Feedback
47	**91.42**

70. Event ID	**TLCE20240004**
Title of the Event	**Emerging Technology Insights: Generative AI, Digital twin, Block chain, Hardware for Machine Learning, DevOps, Drone Technology**
Date & Time of Event	**12-16-Feb-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Iyapparaja M, Prof. Jothish Kumar M**
Name of Resource Persons	**Prof Atanu Roy Chowdhury Dr Suresh A Shan Dr Monica Gahlawat DrAshutosh Mishra Prof Samuel Tensingh Prof Samuel Tensingh Associate Lecturer University of Sydney Australia Dr Monica Gahlawat Associate Professor L J University Ahmedabad Dr Ashutosh Mishra Assistant Professor NIT Calicut Jothish Kumar M Iyapparaja M**
Abstract	**To explore the synergistic integration of Artificial Intelligence (AI), Digital Twin technology, Block chain, Drones,DevOps and Generative AI (GenAI) in creating intelligent systems that have the potential to revolutionize various industries. The convergence of these cutting-edge technologies opens up new possibilities for enhanced efficiency, decision-making, and innovation across various research domains.**

Certification:

Certified No.	Average of Feedback
48	**92**

71. Event ID	**TLCE20240008**
Title of the Event	**A framework for machine learning in the fields of statistical Analysis**
Date & Time of Event	**12-16-Feb-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Advanced Sciences [SAS]**
Name of Coordinators	**Prof. Sujatha V, Prof. Uma K**
Name of Resource Persons	**Viswanathan Ponnuraja Ramakrishnan Duraisamy A Mahesh Subramaniyan Sujatha V Umar K**
Abstract	**Machine Learning and Statistics: Information has become an important commodity indeed possibly the most important of the future while we have well developed technologies to store data. The analysis to extract information is time consuming and requires skilled human intervention.ML algorithms augment statistical analysis by providing mechanisms that automate the information discovery process.**

Certification:

Certified No.	Average of Feedback
35	89

72. Event ID	**TLCE20240011**
Title of the Event	**QUANTUM COMPUTING AND ARTIFICIAL INTELLIGENCE**
Date & Time of Event	**12-16-Feb-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Sudha M, Prof. Usha Devi G**
Name of Resource Persons	**Ms Arthi Udayakumar Mr Shashi Kant Pandey Ms Foram P Shingala Dr Raghavendra V Dr Dr Sathyaprakash P Dr Kunwar Singh Dr Jayakumar V Balakrishnan S Sudha M Usha Devi G**
Abstract	**In the future, quantum computing and AI are expected to make significant advances in many sectors. Industries such as healthcare, finance, logistics, and materials science stand to benefit from the powerful combination of quantum computing's processing power and AI's ability to extract insights. This 5-Day FDP will focus on the fundamental and the core concepts of Quantum computing and AI.**

Certification:

Certified No.	Average of Feedback
52	**93.71**

73. Event ID	**TLCE20240014**
Title of the Event	**Emerging Trends and Research Challenges in Cyber Security and Digital Forensics**
Date & Time of Event	**12-16-Feb-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Manjula R, Prof. Mythili N**
Name of Resource Persons	**Dr Nminath Bubbali Dr Bhupendra Singh Dr Noor Mahammad Sk Dr Ghanshyam S Bopche Dr Grandhi Ram Sekhar Dr Ashok Kumar Mohan Arunkumar T Madhu Viswanatham V Senthil Kumar K Jayakumar S Manjula R Ilayaraja V Somasundaram S K Bhuvaneswari M**
Abstract	**In this digital world, where people are increasingly wired to social media and the internet, the concerns of cyber security, cyber bullying, cyber hygiene are pertinent. This FDP has been designed to give an extensive overview of cyber security issues, tools and techniques that are critical in solving problems in the cyber security domain. This One week programme will enlighten the trends and challenges in the security of cybercrime and digital forensics for secure data and computer resources that are vulnerable to security threats. Cyber Security and Digital Forensics are integral part of the organization's security services. Digital forensics analysts mainly work to retrieve, catalogue, and safeguard digital data related to criminal and cybercrime investigations. This programme will help to gauge understanding in essential techniques in protecting information systems, IT Infrastructure, analyzing and monitoring potential threats and attacks, devising security architecture and implementing security solutions**

Certification:

Certified No.	Average of Feedback
48	**91.57**

74. Event ID	**TLCE20240015**
Title of the Event	**FDP on Oracle Java Programming**
Date & Time of Event	**12-16-Feb-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science and Engineering [SCOPE]**
Name of Coordinators	**Prof. Manikandan N, Prof. Jayakumar S**
Name of Resource Persons	**Venkatesh P Suresh P Chellatamilan T Vinila Jinny Uma Priya D**
Abstract	**This Faculty Development Program (FDP) on Java Foundations is meticulously crafted to enrich the pedagogical skills of esteemed educators in the realm of Java programming. Delving into nuanced aspects, the program encompasses pivotal topics, including variables, data types, control structures, and object-oriented principles. Through an immersive experience, participants will gain profound insights and practical strategies for elevating their instructional methods. This FDP aspires to equip distinguished professors with advanced tools to impart sophisticated Java programming education within the academic sphere.**

Certification:

Certified No.	Average of Feedback
55	96.57

75. Event ID	**TLCE20240017**
Title of the Event	**Emerging Engineering Applications of Artificial Intelligence (E2A2I)**
Date & Time of Event	**02-06-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Electrical Engineering [SELECT]**
Name of Coordinators	**Prof. Sonam Shrivastava, Prof. Albert Alexander S**
Name of Resource Persons	**Dr L Ashok Kumar Dr Vijayakumar K Mr Gopinath PS Dr Udhayakumar K Dr S N Deepa Mr Manikandan P Kumaravel S Mathew M Noel Raja Singh R Albertlexanders S**
Abstract	**Artificial Intelligence (AI) is playing a major role in the fourth industrial revolution and we are seeing a lot of evolution in various machine learning methodologies. AI techniques are widely used by the practicing engineer to solve a whole range of hitherto intractable problems. Artificial intelligence (AI) has become a significant force worldwide, sparking a transformation and revolutionary developments across many industries. By leveraging various machine learning methodologies (ML), engineers can utilise applications of AI to optimize their design procedures and bolster safety and reliability.**

Certification:

Certified No.	Average of Feedback
42	**91.42**

76. Event ID	**TLCE20240018**
Title of the Event	**The Future of Biotechnology: The Importance of Interdisciplinary Research**
Date & Time of Event	**12-16-Feb-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Bio Sciences and Technology [SBST]**
Name of Coordinators	**Prof. Arnold Emerson I, Prof. Devi Rajeswari V**
Name of Resource Persons	**Dr CN Srinivas Sasi Kumar G VViswanath Prof Sandhya Sundaram Prof Suresh K Rayala Dr C Ponnuraja Dr G Gopal Dr Sp S Suresh Kannan Dr Prabu Dr Sreedhar Reddy P**
Abstract	**The field of biotechnology is rapidly advancing, and interdisciplinary research is becoming increasingly important to meet the complex challenges of the future. This FDP explores the need for interdisciplinary research in biotechnology and highlights the benefits that can be achieved through collaboration across different fields of science. It also looks at some of the key areas where interdisciplinary research is already making a significant impact, including drug discovery, genetic engineering, and biomanufacturing. Overall, this FDP aims to raise awareness of the importance of interdisciplinary research in biotechnology and to encourage more collaboration between scientists from different fields to drive future innovations in the field.**

Certification:

Certified No.	Average of Feedback
69	**91.71**

77. Event ID	**TLCE20240020**
Title of the Event	**Advanced Engineering Applications in Physics**
Date & Time of Event	**06-10-May-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Advanced Sciences [SAS]**
Name of Coordinators	**Prof. Tarun, Prof. Sandeep Chakraborty**
Name of Resource Persons	**Prof Shiva Prasad Prof K G Suresh Prof Vipul Rastogi Sathy Swaroop N R Ramesh Babu P Ramesh M Thamankar Senthilnathan K**
Abstract	**Engineering Physics is the backbone of the curriculum of the all the undergraduate engineering programmes. The syllabus of the subject is designed in such a way that the understanding of basic physical principles will have a strong impact on the analytical skills, engineering innovation and practices. However, to bring uniformity in teaching methodology and delivery of contents to the students, by the faculty members teaching the subject Engineering Physics, a Five days FDP on Engineering Physics for undergraduate level, has been proposed by the Department of Physics, in association with TLCE, VIT. The proposed FDP will provide an opportunity to the participant faculty members would be exposed to new ways and ideas to disseminate knowledge, and along with recent developments in the field. Experts from IIT-Bombay, IIT- Roorkee, and IIT-Madras will provide insights in the field of quantum mechanics, electromagnetic waves, lasers and optical fibers. Furthermore, internal experts, at the Professor cadre, from the department will provide required methodology and contents on waves and oscillations and optoelectronic devices. As a part of the FDP, details of the syllabus of the Engineering Physics (approved by academic council, VIT) will be the core discussion point, with recent developments. Participations of more than 50 faculty members are expected. Further, this FDP will provide an opportunity to initiate collaborations between the aforementioned IITs professors and our faculty colleagues. At last, the proposed FDP will enrich the knowledge of the participants, who in turn can implement that in their teaching-learning process.**

Certification:

Certified No.	Average of Feedback
34	**94.71**

78. Event ID	**TLCE20240021**
Title of the Event	**Fascinating Applications of Mathematics**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Advanced Sciences [SAS]**
Name of Coordinators	**Prof. Karthika K, Prof. Yamuna M**
Name of Resource Persons	**Dr R Sivaraj Dr M Senthilvelan Dr Faizan Danish Dr R Sundareswaran Dr C Ponnuraja Dr S Sampath Kumar Yamuna M Sathya Narayana Sharma K Karthika K Peri Kameshwara Kameshwaran Phaneendra T Venkata Satyanarayana Sri Rama Vara Prasad Bhuvanagiri Ravi Sankar J**
Abstract	**The five-days FDP hosted by the Department of Mathematics and TLCE, desires to bring together experts, scholars, researchers and scientist from various mathematical disciplines. This FDP aims to promote collaboration, innovation and engage in research exercises, so that the task of knowledge exchange goes on in full swing. We welcome you to this platform for the exchange of cutting-edge research and ideas, hoping it will be a memorable and fruitful experience for all participants. Topics to be covered: Calculus, Chemical graph theory, Dominating sets, Elliptic pde, Fixing number, Fluid dynamics, Graph decomposition, MATLAB, Mathematical bio economics, Medical statistics, Statistical survival models.**

Certification:

Certified No.	Average of Feedback
52	**89.57**

79. Event ID	**TLCE20240024**
Title of the Event	**Enriching Teaching and Research Experience**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Social Sciences & Languages [SSL]**
Name of Coordinators	**Prof. Vishnu Priya, Prof. Sunitha V**
Name of Resource Persons	**Prof Kotra Krishna Mohan Dr K N Shobha Dr M Raja Vishwanathan Dr Justin James John Sushil Packiaraj Manoov R Prabakaran N Manoharan M**
Abstract	**This Faculty Development Program (FDP) aims to empower educators and researchers with the knowledge and skills to enhance their teaching and research practices through the effective integration of technology. Participants will delve into strategies for incorporating educational technology seamlessly into their teaching methodologies, fostering interactive and engaging learning environments. Additionally, the program will focus on leveraging digital tools to elevate the research experience, hands on training in writing research proposals for funding and mentoring PHD scholars, covering aspects such as efficient data collection, analysis, and dissemination. It also focuses on writing research papers using Latex and identifying standard journals for publishing research papers. Emphasis will be placed on online learning strategies, and digital pedagogy best practices. Ultimately, participants will gain insights into technology-enhanced assessment methods, fostering a comprehensive understanding of how technology can positively impact both teaching and research endeavors.**

Certification:

Certified No.	Average of Feedback
34	**88.57**

80. Event ID	**TLCE20240026**
Title of the Event	**Harvesting Tomorrow: Renewable Energy and CO2 Sequestration for a Sustainable Future**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**CO2 Research and Green Technologies Centre [CO2]**
Name of Coordinators	**Prof. Kavitha M S, Prof. Murugavel H S**
Name of Resource Persons	**Dr N Samsudeen Dr V Sivasubramanian Dr A Sreekumar Dr K Karthik Selva Kumar Dr N Gnanasekaran Dr S Anbarasu Dr M Matheswaran Porpatham E Velvizhi G Rajesh Kanna Kavitha M S Ramesh Kumar Singh Sreetama Ghosh Senthil Kumar A**
Abstract	**The increasing global challenges of climate change and energy security demand a paradigm shift towards sustainable practices. This proposed Faculty Development Program (FDP) event, titled "Harvesting Tomorrow," aims to explore the pivotal role of renewable energy sources and CO2 sequestration technologies in forging a sustainable future. The event will bring together educators, researchers, and professionals to delve into innovative approaches and methodologies that address the pressing issues of environmental degradation and resource depletion.**

Certification:

Certified No.	Average of Feedback
21	**93.14**

81. Event ID	**TLCE20240028**
Title of the Event	**GREEN TECHNOLOGY ADVANCEMENT FOR SUSTAINABLE DEVELOPMENT**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Mechanical Engineering [SMEC]**
Name of Coordinators	**Prof. Anuj Kumar, Prof. Aruna Kumar Behura**
Name of Resource Persons	**Dr Anant Kumar Rai Dr Kishor Kumar Gajrani Dr Devanuri Jaya Krishna Dr Vinod Kumar Sharma Dr Balaji Subramanian Dr Joy Prakash Mishra Dr Sendhil Kumar Natarajan Dr Puneet Verma M Velan Ramesh Kumar Singh Thudil Karuppa Raj R Jayakrishna K**
Abstract	**In the face of pressing environmental challenges, the need for sustainable development has become paramount. Moreover, mechanical engineering makes a significant impact on the growth of environmental technologies that include green manufacturing, green composites, and reduction of GHG emissions, generation and storage of renewable energy. This faculty development program equips educators with the knowledge effectively integrate green technology advancements into their curriculum. Through interactive sessions, participants will explore core concepts, and emerging research trends. This program is ideal for faculty members from diverse disciplines who are passionate about sustainability.**

Certification:

Certified No.	Average of Feedback
39	**92.28**

82. Event ID	**TLCE20240029**
Title of the Event	**Transdisciplinary research: A game changer in Agriculture 5.0**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**VIT School of Agricultural Innovations and Advanced Learning [VAIAL]**
Name of Coordinators	**Prof. Parthasarathi T, Prof. Saravanan S**
Name of Resource Persons	**Rajasekar S Arun PV Sunita Choudhary Mohanakrishnan Logan Anant Raheja M Nagarajan Sabarinathan R Dr Mohammadmehdi Maharlooei Suresh Kumar Paul Mansingh J Sowbiya Muneer**
Abstract	**This Faculty Development Programme (FDP) explores the transformative impact of transdisciplinary research on Agriculture 5.0. Integration of diverse fields such as technology, ecology, social sciences, and this programme goes beyond the boundaries, fostering innovation and sustainability in agriculture. This FDP encourages discussion on collaborative efforts leads to the holistic solutions, addressing complex challenges in future agriculture and propelling factors in to a new era of efficiency and resilience.**

Certification:

Certified No.	Average of Feedback
38	**91.28**

83. Event ID	**TLCE20240030**
Title of the Event	**Academic writing**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**VIT Business School [VITBS]**
Name of Coordinators	**Prof. Shivam Sakshi, Prof. Madhumita Das**
Name of Resource Persons	**Dr Amarendra Das Dr Jayanta Chakraborti Dr Shalini Aggarwal Prof Mathirajan Muthu Dr Mohamed Jasim Vajjhala Venkata Gopal Sivakumar A Bijay Prasad Kushwaha Madhumita Das Shivam Sakshi Anitha Devi V**
Abstract	**In the ever evolving world of academic research, the tools and techniques of conducting meaningful research is swiftly changing. To ensure being in a competitive position, it is imperative to the academicians to keep themselves updated with the latest trends in academic writing. A work published in a reputed journal, book, series does not only boost the profile of academician but also allows him or her to use the knowledge in guiding the students effectively. The FDP is proposed with an intention to equip the participants with modern academic skills which can help the beginners to strengthen their basics and also the senior faculty members to upgrade themselves in the ocean of academia. The present FDP shall be conducted by eminent resource persons from some of the best institutes of the country who will cover topics such as Case Writing, Systematic Literature Review, Bibliometric Analysis, Meta Analysis and Proposal Writing.**

Certification:

Certified No.	Average of Feedback
42	**91**

84. Event ID	**TLCE20240031**
Title of the Event	**Investing in Yourself: An Employee Wellness FDP for Professional Excellence**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**VIT Business School [VITBS]**
Name of Coordinators	**Prof. Anil Verma, Prof. Ragini**
Name of Resource Persons	**Dr S Renukadevi S Asansi Jose Dr Saji K Mathew Dr Santhanalakshmi Dr S Kumaran Rohanraj K Aravind S Govindarajan Venkatesan Naveen Kumar Marpu Dr Edamana Prasad Syed Khalid Perwez Ragini Subashini Sivakumar S Prabu Christopher B Ramaseshan H**
Abstract	**Elevate your wellbeing, expertise, and career trajectory with this comprehensive Faculty Development Program (FDP). Cultivate physical fitness, master stress management techniques, and secure your financial future with workshops on wealth building, investment strategies, and tax planning. Hone your research skills through sessions on interdisciplinary excellence, Article publishing, and proposal writing. Gain an edge in your professional sphere with workshops on personal branding, conflict management, work-life balance, and career advancement. Empower yourself to excel in all aspects of your life through this enriching FDP designed to invest in your success!**

Certification:

Certified No.	Average of Feedback
51	**90.85**

85. Event ID	**TLCE20240033**
Title of the Event	**Trends and Challenges in Implementing Internet of Things for Digital Twin Applications**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Mechanical Engineering [SMEC]**
Name of Coordinators	**Prof. Bikash Routh, Prof. Senthil Kumar S**
Name of Resource Persons	**Rajasekaran V Karthikeyan S Dr Pradnya Gaonkar Ashok Kumar Pratik Roy Dr Pramod Kumar Singh Parvathy G Dr Sanjay Kumar Singh Mr Kannan Murugadoss and Mr Promod Sujatha R**
Abstract	**Basic knowledge on Internet of Things, Sensors, Microcontroller, Industrial Programmable Logic Controllers are the need of time especially for engineers to apply their knowledge further in emerging areas like machine learning, digital twin, robotics and automation. The proposed program will boost confidence among engineers and technology aspirants by providing overview of basic IoT and digital twin technology along with hands on experience starting from sensors to data collection through microcontroller and data communication over IoT gateway. Faculty development program will start with introducing hardware and software require for IoT applications and areas of application. The program will continue with the sessions on IoT system development with compatible microcontroller and data analysis followed by some sessions on IoT protocols and AI ML applications in IoT or included, sessions on digital twin and applications will be discussed in the subsequent sessions. The program will be concluded discussing the basic concept and case studies on industrial IoT and industry 4.0.**

Certification:

Certified No.	Average of Feedback
40	**92.71**

86. Event ID	**TLCE20240035**
Title of the Event	**Royal Academy of Engineering -UK, and European Union (JM) Sponsored 5 Days FDP on Digital Transformation in Industry 4.0 Revolution: The Power of AI, Robotics, and Additive Manufacturing for Next Generation Industry**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Mechanical Engineering [SMEC]**
Name of Coordinators	**Prof. Ramakrishnan R, Prof. Sathish G P**
Name of Resource Persons	**Dr Mikael Ericsson Dr Damien Chablat Dr Amal Prashanth Charles Dr G V Ramana Dr Souvick Chatterjee Ms Nivedita Majee Ms Akshatha Hulmani Dayananda Dr Gopalakrishnan B Dr Anasuya Bhima Mr Sai Karthik and Dr Rengarajan Seshadri Mr Krishna Panyam Ramakrishnan R Sathish G P**
Abstract	**The Faculty Development Program (FDP) is designed to bridge the knowledge gap between academia and industry, focusing on the latest advancements in AI (Artificial Intelligence), Robotics, and Additive Manufacturing. Participants include academicians and industrialists from diverse backgrounds and cross-disciplinary, ranging from large multinational corporations to small and medium enterprises (SMEs). The program explores into the intricacies of Industry 4.0, emphasizing the importance of holistic comprehension for decision-makers regarding the impacts of technologies like Industry 4.0 (I4.0) on both people and processes. The FDP comprises two primary facets: Facet 1 explores various technological dimensions of Industry 4.0, offering deep insights into cutting-edge developments such as AI, Robotics, Additive Manufacturing (including 3D cum 4D printing), smart design, materials, collaborative robotics, and Big Data utilization in digital manufacturing. Facet 2 examines the transformative potential of these technologies in fostering innovation and the creation of novel products. Topics covered include multi-material functional printing, 4D printing, AI concepts, and real-world case studies illustrating the implementation and impact of these technologies across industries.**

Certification:

Certified No.	Average of Feedback
43	**89.71**

87. Event ID	**TLCE20240039**
Title of the Event	**Emerging Trends in Chemical Sciences**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Advanced Sciences [SAS]**
Name of Coordinators	**Prof. Rajasekar P, Prof. Charles Beromeo Bheeter**
Name of Resource Persons	**A Sree Rama Murthy Bhuvanesh Srinivasan R Anandan J Mathiyarasu Ekambaram Balaraman Vinayak Kamble P Anbarasan Rajaji Vincent Senthil Kumar A Sathiyanarayanan Vijayakumar V Palanisami N**
Abstract	**The planned event consists of lectures given by well-known researches working in emerging areas of chemical sciences. Each session by the resource person will have basics and application of the sophisticated techniques used in the respective field. The lectures are planned in the below mentioned research areas thermoelectric materials, gas sensors, basics of Raman spectroscopy, application of Raman spectroscopy in characterisation of 2D materials, catalysis and organic semiconductors. These proposed high-quality lectures will be highly beneficial for our faculty to get exposure in the recent emerging research areas.**

Certification:

Certified No.	Average of Feedback
24	**90.71**

88. Event ID	**TLCE20240043**
Title of the Event	**Synergies of Science: Advancing Health, Energy, and Environmental Well-being**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Bio Sciences and Technology [SBST]**
Name of Coordinators	**Prof. Ramesh Pathy M, Prof. Venkat Kumar S**
Name of Resource Persons	**Dr Sanjay Gandhi Dr Kumaran Dr Vinodkumar C S Dr Ranjithkumar Rajamani Dr Thillai vanan Dr Manickam Pandiaraj Mr Debasish Bhattacharyya Dr Chinnakkaruppan Adaikkan Anil Kumar Pasupulati Babu S**
Abstract	**This FDP delves into the multifaceted domain of human health management, exploring various strategies and approaches aimed at enhancing individual and collective well-being. It examines the role of healthcare systems, preventive measures, and lifestyle choices in promoting optimal health outcomes. Also, it enables the understanding of the pivotal role of science in advancing the welfare of energy, health, and the environment. Through comprehensive analysis and case studies, it elucidates how scientific research, innovation, and evidence-based policymaking contribute to the enhancement of these critical areas. Moreover, it highlights the potential for scientific advancements to drive sustainable development, improve quality of life, and mitigate the adverse impacts of climate change.**

Certification:

Certified No.	Average of Feedback
38	**94.57**

89. Event ID	**TLCE20240046**
Title of the Event	**ISO:IEC 17025:2017- General Requirements for the Competence of Testing & Calibration Laboratories**
Date & Time of Event	**01-05-Apr-2024 & 10.00 am to 05.30 pm**
Name of the school	**Directorate of Quality Assurance & Accreditation [DQAA]**
Name of Coordinators	**Prof. Ramanujam R, Prof. Kuppan P**
Name of Resource Persons	**Mr Periyasamy Devendiran S**
Abstract	**This program aims to develop a good understanding about the implementation of the requirements stipulated in ISO:IEC 17025: 2017 in testing and calibration laboratories which will help for promoting confidence in the operation of laboratories. This program contains various modules covering all the requirements given in ISO:IEC 17025: 2017 for laboratories to enable them to demonstrate that they operate competently, and are able to generate valid results.**

Certification:

Certified No.	Average of Feedback
11	**95.42**

90. Event ID	**TLCE20240050**
Title of the Event	**PRECLINICAL RESEARCH**
Date & Time of Event	**06-10-May-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Bio Sciences and Technology [SBST]**
Name of Coordinators	**Prof. Sajan George, Prof. Sivakumar A**
Name of Resource Persons	**Dr M R Srinivasan Dr K Imiyarasi Dr P Jalantha Dr R K Shakthi Devan Prof Muthukumar S P Dr P Sankar Sivakumar A Sajan George Pragasam V Jayaprakash N S**
Abstract	**This FDP is unique as it involves theoretical sessions as well as hands-on training for the participants by the subject experts in the VIT campus. All sessions are mentored by professionals in the laboratory animal research who have several years of experience in conducting in vivo investigations using the latest tools and methods. The overall objective is to train faculty members and scholars of VIT on the proper care and scientific use of laboratory animals. You are cordially invited to participate in this FDP on the use of laboratory animals for biomedical research provided you have taken TETANUS TOXOID vaccination (available at VIT campus clinic) within a year. The School of Bio Sciences and Technology (SBST), Vellore Institute of Technology (VIT) has a laboratory animal facility functioning according to the Committee for the Control and Supervision of Experiments on Animals (CCSEA) guidelines. Housing of laboratory animals and the research activities performed on them are strictly monitored by the Institutional Animal Ethics Committee (IAEC), constituted by the CCSEA. This FDP CERTIFICATE IS MANDATORY FOR PERFORMING ANIMAL EXPERIMENTATIONS.**

Certification:

Certified No.	Average of Feedback
57	**95.85**

91. Event ID	**TLCE20240054**
Title of the Event	**Invest in your health**
Date & Time of Event	**06-10-May-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Priya M, Prof. Charanya R**
Name of Resource Persons	**Dr Sheela Dr D Kamalakannan Dr Bijin Oliver John Mr R Arunkumar Ms Geetha Rajendran Dr K Manjula Dr Hema Kumar Dr M Anitha Dr J Philomema Austin Dr Bharani Dr Jackwin Sam Paul Clinton Joseph A Hariharan C Blessing Calvin G S Dhanalakshmi N**
Abstract	**In an era marked by increasingly hectic lifestyles and mounting health challenges, the importance of investing in personal health has never been more pronounced. This Faculty Development Program (FDP) aims to equip educators and professionals with the knowledge and tools necessary to promote a culture of health and wellness within academic institutions and beyond. Participants will gain insights into the economic, social, and personal benefits of prioritizing health, underscoring the rationale for integrating health promotion initiatives into academic and professional settings. Participants will gain insights into the economic, social, and personal benefits of prioritizing health, underscoring the rationale for integrating health promotion initiatives into academic and professional settings. By investing in personal health and fostering supportive environments, participants can pave the way for healthier, happier, and more resilient communities.**

Certification:

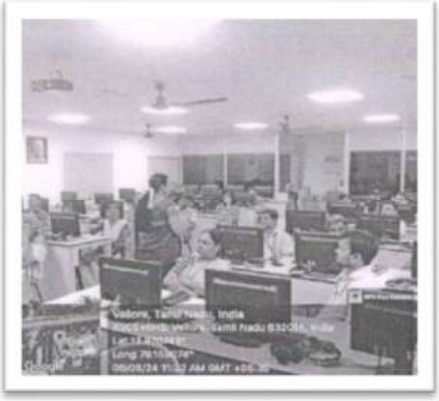
Certified No.	Average of Feedback
48	**90.14**

92. Event ID	**TLCE20240056**
Title of the Event	**Recent Advancement and Applications in Artificial Intelligence: Research Perspective**
Date & Time of Event	**06-10-May-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Chemmalar Selvi G, Prof. Sivarama Krishnan S**
Name of Resource Persons	**Mr Sandeep Giri Dr Ajay D M Dr S Rakesh Kumar Dr Deepu Raveendran Mr Mithun D J Abdul Rasheed Feroz Khan Banu Priya Dr Anuvelan S Dr D Senthil Kumar Ganesan K Lakshmi Priya G G**
Abstract	**The aim of this program is to explore the emerging trends and practical applications of AI technology. This program delves into the cutting-edge methodologies and innovative approaches driving AI forward in different industry verticals. From machine learning algorithms to black-box models, it examines the use of AI technologies in diverse applications such as healthcare, ecommerce, space and beyond. Attendees can expect insightful discussions on emerging trends, challenges, and the transformative impact of AI on present and future society. Ultimately, this program aims to foster collaboration and knowledge exchange among researchers and practitioners who are working in the growing field of Artificial Intelligence.**

Certification:

Certified No.	Average of Feedback
36	**91.14**

93. Event ID	**TLCE20240060**
Title of the Event	**Empowering Beginners with the Basics of Artificial Intelligence**
Date & Time of Event	**06-10-May-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Advanced Sciences [SAS]**
Name of Coordinators	**Prof. Rajasekaran G, Prof. Jagatheswari S**
Name of Resource Persons	**Dr K Manimala Dr E Sivasankar Dr P Kumaran R Praveen Rajkumar S Ragukumar P Rajeshkannan K Balaji G N**
Abstract	**By giving a concise and understandable summary of the principles of artificial intelligence, it hopes to encourage novices to investigate, test, and eventually contribute to the fascinating topic of AI. Talk about the main ideas like deep learning and machine learning, how to break down complicated algorithms into simpler parts, applications, ethical considerations, and the future.**



Certification:

Certified No.	Average of Feedback
40	**89**

94. Event ID	**TLCE20240067**
Title of the Event	**Emerging Materials for Future Electronics**
Date & Time of Event	**06-10-May-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Electronics Engineering [SENSE]**
Name of Coordinators	**Prof. Rajan Kumar Pandey, Prof. Saurabh Nagar**
Name of Resource Persons	**Dr Surendra Babu Anantharaman Dr Anshuman Dalvi Dr Shree Prakash Tiwari Dr Sanjay Kumar Ram Ramesh M Thamankar Palla Penchalaiah Krishnamoorthi C Ankur Rastogi**
Abstract	**This faculty development program (FDP) has been conceptualised keeping in mind the diverse and intense development in the area of materials science applied to futuristic devices and energy technologies. Additionally, the eventual goal is to develop and demonstrate newer process technologies for reducing the impact on environment. In the recent past, there has been tremendous interest in developing materials for the flexible electronics, especially for the consumer electronics applications. These include future display devices, wearables, sensors and devices for biomedical applications. Taking advantage of the ability to conform to more organic shapes, electronic capability can then be incorporated into more consumer and industrial products, and combined with rapid advancements in data analytics and artificial intelligence, bring digital intelligence to the greater world. Alongside, there has been inexorable drive towards ever smaller semiconductor devices, which is currently at 5 nm. These devices are building blocks of products ranging from cell phones to personal computers, to supercomputers. In the past decade, 2-D materials have received a lot of attention and have emerged as possible replacement for semiconductor device technologies beyond the scaling limits of silicon. The 2-D materials are picking up attention in applications beyond classical computing, into the quantum technologies and computing. In parallel, there has been a lot of research on materials for future energy technologies that would replace conventional technologies based on Li-ion batteries. Furthermore, there have been tremendous developments on materials for energy harvesting and energy storage technologies. The FDP will focus on (i) the recent developments in the flexible electronics from materials to devices (ii) the recent developments in the 2D materials for future electronics (iii) the advances in next generations of energy technologies, including the future solid state batteries.**

Certification:

Certified No.	Average of Feedback
13	96

95. Event ID	**TLCE20240073**
Title of the Event	**Power of the Subconscious Mind in Professional Success**
Date & Time of Event	**20-24-May-2024 & 10.00 am to 05.30 pm**
Name of the school	**School of Computer Science Engineering and Information Systems [SCORE]**
Name of Coordinators	**Prof. Gayathri A, Prof. Asha N**
Name of Resource Persons	**Abdul Aleem H Md Mubashir Dr Yayathee S Dr Manoranjitham S D Dr Rathika P Pradeep Balasubramani Rita Rani Bhattacherjee Blessing Calvin G S Jetson Satya Gospel Beulah Valarmathi C Nalini E Tony P Jose Hariharan C**
Abstract	**Exploring the power of the subconscious mind and its impact on mental health in the context of professional success provides valuable insights for maintaining balanced harmony. This FDP explores the intricate relationship between the subconscious mind, mental health, and achievement in the professional realm. Drawing from psychological theories, neuroscience research, and practical examples, it elucidates how the subconscious mind is a powerful force in shaping beliefs, attitudes, and behaviors that either propel individuals toward success or hinder their progress. Central to this discussion is the concept of neuroplasticity, which highlights the brain's ability to rewire itself based on experiences and mental activities. Understanding the mechanisms through which the subconscious mind processes information and forms patterns. Individuals can harness their power to cultivate positive thought patterns, enhance self-confidence, and foster resilience in facing challenges.**

Certification:

Certified No.	Average of Feedback
44	**89.42**

7. Faculty Induction Programme [FIP]

SL. NO.	TITLE OF FDP's	NO. OF REGISTRATIONS
96	Faculty Induction Programme [FIP] - June - 2024	86

96. Event ID	**TLCE20240083**
Title of the Event	**Faculty Induction Programme [FIP]**
Date & Time of Event	**17-June-05-July-2024 & 02.00 pm to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Anthony Xavior M Naiju C D Thirumavalavan V R Jayaraman G Srinivasan R Anthoniraj A Arulmozhivarman P Shanthi C Rasool M Balachandran A Kuppan P Partha Sharathi Mallick Ruban Kumar A Mohan Kumar C M MD. Sahul Hameed M A Thiyagachanthan N V Seenivasan R Baskar S Mohan K Sekar S K Margret Anouncia S Satyajit Ghosh Murugan M Manikandan N Kanchana Bhaaskaran V S Ramaseshan H Vijayakumar T**
Abstract	**The Faculty Induction Programme at VIT 2024 is meticulously crafted to integrate new faculty members into the vibrant academic ecosystem of Vellore Institute of Technology (VIT). Recognizing the pivotal role that faculty play in shaping the educational landscape and fostering student success, this programme is designed to provide comprehensive support, ensuring that new faculty are well-equipped to excel in their roles.The induction programme is structured around a series of interactive sessions and hands-on workshops that cover a wide array of essential topics. These include teaching methodologies, research opportunities, professional development, and institutional policies. Each session is tailored to address the unique needs and challenges faced by new faculty, offering practical insights and strategies that can be immediately applied in their academic duties.A primary focus of the programme is to orient new faculty members with VIT's core values, practices, and resources. VIT, known for its commitment to excellence in education and research, has a rich history and a distinctive mission that new faculty members will be introduced to. Understanding these foundational elements is crucial for new faculty as they integrate into the university's culture and contribute to its goals.The programme emphasizes the importance of effective teaching methodologies. Faculty members will explore a variety of pedagogical approaches that promote active learning and student engagement. Sessions will delve into blended and online teaching techniques, which have become increasingly relevant in today's educational landscape. Inclusive teaching practices will also be highlighted, ensuring that faculty are equipped to create equitable learning environments that cater to diverse student populations. Assessment and evaluation are critical components of the teaching process. New faculty will learn how to design effective assessments that accurately measure student learning outcomes.**

Certification:

Certified No.	Average of Feedback
69	**92.14**

8. Staff Development Programme [SDP]

SL. NO.	TITLE OF SDP's	NO. OF REGISTRATIONS
1	MS WORD and MS EXCEL Training	31
2	Staff Development Programme [SDP] - on Communication	30
3	Staff Development Programme [SDP] - Python Programming	28
4	Staff Development Programme [SDP] on Communication Skills	30
5	Staff Development Programme [SDP] on Communication Skills Development for CTS Staff	60
6	Staff Development Programme [SDP] Refresher Program - Mastering Collaborative Features in MS Word and Excel	31
7	Staff Development Programme [SDP] on Communication - Hindi	30
8	Staff Development Programme [SDP] on Communication - Advanced Level for CTS Staff	60
9	Staff Development Programme [SDP] on Communication Skills	66
10	Staff Development Programme [SDP] on Advanced Level Communication Skills	63
11	Staff Development Programme on Microsoft 365	29

1. Event ID	**TLCE20230032**
Title of the Event	**MS WORD and MS EXCEL Training**
Date & Time of Event	**25-Sep-29-Sep-2023 & 04.00 pm to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Ms. Archana G, Ms. Nageswari K. N, Mr. Senthil Mohan C**
Abstract	**The "MS Word and MS Excel Training for Nominated VIT Staff - Batch 01" is a comprehensive program designed to equip nominated VIT staff with advanced skills in Microsoft Word and Excel. This training spans five sessions, each focusing on specific aspects of these essential office productivity tools. Participants will explore advanced formatting, document creation, data analysis, and more. The program aims to enhance participants' productivity, equipping them with valuable skills for efficient data management and document creation. Join us in this transformative learning journey to master these essential software applications.**

Certification:

Certified No.	Average of Feedback
31	**93.28**

2. Event ID	**TLCE20230027**
Title of the Event	**Staff Development Programme [SDP] - on Communication**
Date & Time of Event	**16-Oct-20-Oct-2023 & 04.00 pm to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Dr. G Christopher, Dr. Senguttuvan M**
Abstract	**Effective communication is the cornerstone of a thriving and productive workplace environment. This abstract presents a structured staff development program designed to bolster communication skills among employees at all levels within an organization. The program integrates a multifaceted approach, combining interactive workshops, one-on-one coaching sessions, and immersive simulations to address diverse communication needs. 5-Day FDP program commences with a comprehensive assessment of participants' communication styles and strengths, followed by tailored workshops targeting key areas such as verbal and non-verbal communication, activities on writing and speaking Skills. Practical exercises and role-play scenarios encourage active participation and skill application, ensuring immediate and tangible results. Furthermore, personalized coaching sessions provide individualized guidance, allowing employees to refine their communication techniques in real-world scenarios. Through constructive feedback and personalized development plans, participants are empowered to overcome specific challenges and maximize their communication potential. Preliminary evaluations indicate significant improvements in participants' communication proficiency, resulting in enhanced team collaboration, increased client satisfaction, and heightened overall organizational effectiveness. This abstract underscores the program's potential to revolutionize workplace communication dynamics, ultimately fostering a more cohesive, innovative, and successful organizational culture.**

Certification:

Certified No.	Average of Feedback
25	95.56

3. Event ID	**TLCE20230026**
Title of the Event	**Staff Development Programme [SDP] - Python Programming**
Date & Time of Event	**16-Oct-20-Oct-2023 & 04.00 pm to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Dr. Rajarajan G, Dr. Jaya Subalakshmi R**
Abstract	**In the contemporary era characterized by digital advancements, Python has emerged as a pivotal programming language that enables enterprises to optimize operational workflows, enhance data analysis capabilities, and foster innovative practices. The staff development programme in Python for staff members is thoughtfully designed to empower our computer laboratory staff with the knowledge and skills needed to support students effectively, cultivate their programming abilities, and enhance their learning experiences.**

Certification:

Certified No.	Average of Feedback
27	**91.84**

4. Event ID	**TLCE20230074**
Title of the Event	**Staff Development Programme [SDP] on Communication Skills**
Date & Time of Event	**20-Nov-24-Nov-2023 & 04.00 pm to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Dr. Sunitha V, Denish Raja Durai K**
Abstract	**Effective communication is the cornerstone of a thriving and productive workplace environment. This abstract presents a structured staff development program designed to bolster communication skills among employees at all levels within an organization. The program integrates a multifaceted approach, combining interactive sessions, one-on-one coaching sessions, and immersive simulations to address diverse communication needs. 5-Day SDP program commences with a comprehensive assessment of participants' communication styles and strengths, followed by tailored strategy targeting key areas such as verbal and non-verbal communication, activities on writing and speaking skills. Practical exercises and role-play scenarios encourage active participation and skill application, ensuring immediate and tangible results. Furthermore, personalized coaching sessions provide individualized guidance, allowing employees to refine their communication techniques in real-world scenarios. Through constructive feedback and personalized development plans, participants are empowered to overcome specific challenges and maximize their communication potential. Preliminary evaluations indicate significant improvements in participants' communication proficiency, resulting in enhanced team collaboration, increased client satisfaction, and heightened overall organizational effectiveness. This abstract underscores the program's potential to revolutionize workplace communication dynamics, ultimately fostering a more cohesive, innovative, and successful organizational culture.**

Certification:

Certified No.	Average of Feedback
19	94.42

5. Event ID	**TLCE20230083**
Title of the Event	**Staff Development Programme [SDP] on Communication Skills Development for CTS Staff**
Date & Time of Event	**11-Dec-15-Dec-2023 & 04.00 pm to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Dr. Mathumathy S, Dr. Senthil Babu M K**
Abstract	**Effective communication is the cornerstone of a thriving and productive workplace environment. This abstract presents a structured staff development program designed to bolster communication skills among employees at all levels within an organization. The program integrates a multifaceted approach, combining interactive sessions, one-on-one coaching sessions, and immersive simulations to address diverse communication needs. A 5-Day SDP program commences with a comprehensive assessment of participants' communication styles and strengths, followed by tailored strategy targeting key areas such as verbal and non-verbal communication, activities on writing and speaking skills. Practical exercises and role-play scenarios encourage active participation and skill application, ensuring immediate and tangible results. Furthermore, personalized coaching sessions provide individualized guidance, allowing employees to refine their communication techniques in real-world scenarios. Through constructive feedback and personalized development plans, participants are empowered to overcome specific challenges and maximize their communication potential. Preliminary evaluations indicate significant improvements in participants' communication proficiency, resulting in enhanced team collaboration, increased client satisfaction, and heightened overall organizational effectiveness. This abstract underscores the program's potential to revolutionize workplace communication dynamics, ultimately fostering a more cohesive, innovative, and successful organizational culture.**

Certification:

Certified No.	Average of Feedback
52	98.28

6. Event ID	**TLCE20230086**
Title of the Event	**Staff Development Programme [SDP] Refresher Program - Mastering Collaborative Features in MS Word and Excel**
Date & Time of Event	**18-Dec-22-Dec-2023 & 04.00 pm to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Mr. John Sushil Packiaraj**
Abstract	**This comprehensive refresher program is designed for secretaries and staff members working in VIT to enhance their proficiency in Microsoft Word and Excel, with a special emphasis on the new collaborative features introduced in Office 365.**

Certification:

Certified No.	Average of Feedback
19	**85.14**

7. Event ID	**TLCE20240007**
Title of the Event	**Staff Development Programme [SDP] on Communication - Hindi**
Date & Time of Event	**08-Jan-12-Jan-2024 & 04.00 pm to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Dr. Jayalakshmi K**
Abstract	**The abstract presents a structured staff development program designed to bolster communication skills in Hindi among employees at all levels within an organization. The program integrates a multifaceted approach, combining interactive sessions, one-on-one coaching sessions, and immersive simulations to address diverse communication needs. 5-Day FDP program commences with a comprehensive assessment of participants' communication styles and strengths, followed by tailored strategy targeting key areas such as verbal and non-verbal communication, activities on writing and speaking skills. Practical exercises and role-play scenarios encourage active participation and skill application, ensuring immediate and tangible results. Furthermore, personalized coaching sessions provide individualized guidance, allowing employees to refine their communication techniques in real-world scenarios. Through constructive feedback and personalized development plans, participants are empowered to overcome specific challenges and maximize their communication potential. Preliminary evaluations indicate significant improvements in participants' communication proficiency, resulting in enhanced team collaboration, increased client satisfaction, and heightened overall organizational effectiveness. This abstract underscores the program's potential to revolutionize workplace communication dynamics, ultimately fostering a more cohesive, innovative, and successful organizational culture.**

Certification:

Certified No.	Average of Feedback
27	98.28

8. Event ID	**TLCE20240006**
Title of the Event	**Staff Development Programme [SDP] on Communication - Advanced Level for CTS Staff**
Date & Time of Event	**08-Jan-12-Jan-2024 & 04.00 pm to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Dr. Sujatha Aravindakshan Menon, Dr. Mary Jennifer J, Dr. Evangeline Priscilla B, Dr. Thenmozhi M**
Abstract	**Effective communication is the cornerstone of a thriving and productive workplace environment. This abstract presents a structured staff development program designed to bolster communication skills among employees at all levels within an organization. The program integrates a multifaceted approach, combining interactive sessions, one-on-one coaching sessions, and immersive simulations to address diverse communication needs. 5-Day FDP program commences with a comprehensive assessment of participants' communication styles and strengths, followed by tailored strategy targeting key areas such as verbal and non-verbal communication, activities on writing and speaking skills. Practical exercises and role-play scenarios encourage active participation and skill application, ensuring immediate and tangible results. Furthermore, personalized coaching sessions provide individualized guidance, allowing employees to refine their communication techniques in real-world scenarios. Through constructive feedback and personalized development plans, participants are empowered to overcome specific challenges and maximize their communication potential. Preliminary evaluations indicate significant improvements in participants' communication proficiency, resulting in enhanced team collaboration, increased client satisfaction, and heightened overall organizational effectiveness. This abstract underscores the program's potential to revolutionize workplace communication dynamics, ultimately fostering a more cohesive, innovative, and successful organizational culture.**

Certification:

Certified No.	Average of Feedback
57	98.28

9. Event ID	**TLCE20240074**
Title of the Event	**Staff Development Programme [SDP] on Communication Skills**
Date & Time of Event	**22-Apr-26-Apr-2024 & 04.00 pm to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Dr. Vidhya. B, Dr. V. Saravanan**
Abstract	**Effective communication is the cornerstone of a thriving and productive workplace environment. This abstract presents a structured staff development program designed to bolster communication skills among employees at all levels within an organization. The program integrates a multifaceted approach, combining interactive sessions, one-on-one coaching sessions, and immersive simulations to address diverse communication needs. 5-Day FDP program commences with a comprehensive assessment of participants' communication styles and strengths, followed by tailored strategy targeting key areas such as verbal and non-verbal communication, activities on writing and speaking skills. Practical exercises and role-play scenarios encourage active participation and skill application, ensuring immediate and tangible results. Furthermore, personalized coaching sessions provide individualized guidance, allowing employees to refine their communication techniques in real-world scenarios. Through constructive feedback and personalized development plans, participants are empowered to overcome specific challenges and maximize their communication potential. Preliminary evaluations indicate significant improvements in participants' communication proficiency, resulting in enhanced team collaboration, increased client satisfaction, and heightened overall organizational effectiveness. This abstract underscores the program's potential to revolutionize workplace communication dynamics, ultimately fostering a more cohesive, innovative, and successful organizational culture.**

Certification:

Certified No.	Average of Feedback
29	**96.14**

10. Event ID	**TLCE20240075**
Title of the Event	**Staff Development Programme [SDP] on Advanced Level Communication Skills**
Date & Time of Event	**22-Apr-26-Apr-2024 & 04.00 pm to 05.30 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Dr. W. Christopher Rajasekaran, Dr. Anburaj G**
Abstract	**Effective communication is the cornerstone of a thriving and productive workplace environment. This abstract presents a structured staff development program designed to bolster communication skills among employees at all levels within an organization. The program integrates a multifaceted approach, combining interactive sessions, one-on-one coaching sessions, and immersive simulations to address diverse communication needs. 5-Day FDP program commences with a comprehensive assessment of participants' communication styles and strengths, followed by tailored strategy targeting key areas such as verbal and non-verbal communication, activities on writing and speaking skills. Practical exercises and role-play scenarios encourage active participation and skill application, ensuring immediate and tangible results. Furthermore, personalized coaching sessions provide individualized guidance, allowing employees to refine their communication techniques in real-world scenarios. Through constructive feedback and personalized development plans, participants are empowered to overcome specific challenges and maximize their communication potential. Preliminary evaluations indicate significant improvements in participants' communication proficiency, resulting in enhanced team collaboration, increased client satisfaction, and heightened overall organizational effectiveness. This abstract underscores the program's potential to revolutionize workplace communication dynamics, ultimately fostering a more cohesive, innovative, and successful organizational culture.**

Certification:

Certified No.	Average of Feedback
36	95

11. Event ID	**TLCE20240084**
Title of the Event	**Staff Development Programme on Microsoft 365**
Date & Time of Event	**22-Jun-22-Jun-2024 & 10.00 am to 05.00 pm**
Name of the school	**TLCE**
Name of Coordinators	**TLCE**
Name of Resource Persons	**Mr. Gopi K, Mr. Jaibalaganesh D, Mr. Lakshminarayanan J, Mr. Sunilkumar K, Ms. Nageswari K. N, Ms. Manju V**
Abstract	**This abstract delineates the conceptual framework, implementation, and outcomes of a comprehensive staff development program on Microsoft 365 at Vellore Institute of Technology (VIT). The initiative was designed to enhance the digital literacy and productivity of VIT's administrative and academic staff, equipping them with the necessary skills to leverage Microsoft 365 tools effectively in their daily tasks and academic endeavors. The rapid evolution of digital tools in the educational sector necessitates continuous professional development to ensure staff are proficient in the latest technologies. Recognizing this need, VIT launched a targeted staff development program focused on Microsoft 365, a suite of productivity applications that includes Word, Excel, PowerPoint, Teams, OneDrive, and more. This program aimed to bridge the gap between current staff capabilities and the required competencies for efficient digital operations. The development program was structured into three phases: needs assessment, training implementation, and evaluation. In the initial phase, a comprehensive needs assessment was conducted through surveys, interviews, and focus group discussions to identify the specific training needs of the staff. This phase highlighted varying levels of familiarity with Microsoft 365 applications among staff members, thereby guiding the customization of the training modules. The implementation phase involved a series of workshops, hands-on training sessions, and interactive seminars over six months. Expert trainers with extensive experience in Microsoft 365 facilitated these sessions, ensuring a blend of theoretical knowledge and practical application. The training modules covered basic to advanced functionalities of Microsoft 365 applications, emphasizing collaborative tools such as Microsoft Teams for enhanced communication and teamwork. Additionally, sessions on data management and security were incorporated to address the growing concern of data.**

Certification:

Certified No.	Average of Feedback
28	**98.14**

9. INTERNATIONAL RESOURCE PERSONS

- National
- International
- Academic
- Industrial
- Internal (VIT)

ANNUAL BUDGET

Year -2023-2024

Number of Programs conducted : 96

Number of Participants : 3244

Budget in INR (Lakhs) : 42,18,890

TLCE TEAM

Dr. V. Rhymend Uthariaraj
Director

Dr. Thenmozhi M
Asst. Director

Mr. Sacratees Ashokkumar
Sr. Asst.

Mr. Anandan J
Attender

Dr. V. Rhymend Uthariaraj
Director - TLCE