



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

ANNUAL REPORT

(2022-2023)

Academic Staff College



VIT, Vellore

Table of Contents

About ASC	3
ASC Activities.....	4
ASC Coordinators.....	5
1. Introduction	7
2. FDP Events List for 2022-23.	8
3. Faculty Orientation Program	15
4. 10 Days Faculty Development Program	26
5. 6 Days Faculty Development Program.....	28
6. One week Faculty Development Program	30
7. Weekend Dialogue	37
8. On-campus FDP	43
9. Three - day Faculty Development Program.....	48
10. Two - day Faculty Development Program	51
11. One - day Faculty Development Program.....	53
12. Faculty Development Program (1-2 hour)	56
13. Internationals Resource Person	63
Annual Budget	67

About ASC

Academic Staff College (ASC) is dedicated towards creating a culture of academic excellence through faculty development activities for all our schools and centers at VIT, Vellore.



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

ASC Activities

- Faculty Orientation Program
- On-Campus 10 Days FDP
- On-line Six Days Faculty Development Program
- Weekend Dialogue Series
- Dialogue with Faculty/ Experts (1-2 hours)
- Online/On-Campus FDP (3 Days)
- Online/ On-Campus FDP (2 Days)
- Online/ On-Campus FDP (1 Day)
- Online/ On-Campus FDP (1-2 hours)
- Online/ On-Campus FDP (One week)
- NAAC work & IQAC Portal Uploads
- ASC / VIT Website <https://vit.ac.in/centers/asc>
- ASC Coordinators Team Created
- Proposal for Faculty Development Center
- Annual Newsletter
- Faculty hand book

ASC Coordinators

(Centers)

S.NO.	EMP.ID	NAME	CENTERS
1	10597	Dr. Geetha Manivasagam	CBCMT
2	16735	Dr. Loganathan Rangasamy	
3	13728	Dr. Jitendra Satija	CNBT
4	16182	Dr. SriNagalakshmi Nammi	CIMR
5	17069	Dr. S. Babu	
6	16155	Dr. Swati G	CNR
7	11933	Dr. Ayesha Noor	CBST
8	10047	Ms. Kalaivani S	Library
9	12832	Dr.Rammohan A	ARC
10	16209	Dr.Suresh Chavhan	
11	11421	Dr. Rama Mohan Rao P	CDMM
12	16148	Dr. V. Gayathri	CO2

ASC Coordinators

(Schools)

S.NO.	EMP.ID	NAME	SCHOOL
1.	10238	Dr.Dharani Bai G	SENSE
2.	11060	Dr. Shankar T	
3.	17075	Dr. Sunny Bansal	VSPARC
4.	17081	Dr. Hareesh Haridasan	
5.	11125	Dr. Mohan Kumar P	SCOPE
6.	13705	Dr. Jasmin T Jose	
7.	14708	Dr. Sivakumar A	VITBS
8.	17078	Dr. Mahendran Arumugam	
9.	11042	Dr. Rajay Vedraj	SMEC
10.	12334	Dr. Padmanabhan K	
11.	14491	Prof.John Sushil Packiaraj	SCE
12.	11468	Dr. A. Anand	SBST
13.	10678	Dr. K. V. Bhaskara Rao	
14.	17119	Dr. Jagadeesh Sure	SAS
15.	16363	Dr. Mausumi Goswami	
16.	14768	Dr. K. Nagamalleswara Rao	SCHEME
17.	17026	Dr. Rima Biswas	
18.	12532	Dr.Krithika L.B	SITE
19.	12387	Dr.Chandrasegar T	
20.	14861	Prof. Surendheran K	V-SIGN
21.	17590	Prof.Vijay Srinivasan	
22.	10746	Dr.R.Vidya	VAIAL
23.	15984	Dr. Biswajita Mohanty	
24.	13318	Dr. Raghunathan T	SELECT
25.	10171	Dr. Kowsalya M	
26.	17057	Prof. Varsha K	SSL
27.	17090	Prof. Arati Kumari	
28.	17076	Prof. Vipin Singh	HOT
29.	17082	Prof. Sathish Kumar	

1. Introduction

Number of Programs - 154

No of Faculty Registrations	No. of participants
16515	7441

Academic Staff College continued with Online programs during 2022-23 due to the Covid 2 and Covid 3 waves of Pandemic. A total of **41** Faculty Development Programs were organized with a footfall of **2935** participants. The 2nd Online Faculty Orientation Program was successfully organized during the month of June – July 2021 for a period of one month. 57 New faculty members were trained in the various domains of teaching research structures and history of VIT. A new initiative in collaboration with IIT Madras was launched in the form of Teaching Learning Workshops, one of such event was also conducted on campus in between the covid 2nd and 3rd waves window.

Elaborate effort was made to complete NAAC and IOE documentation, for 7 years from 2014 to 2021. The ASC team decorated the working space with illustrious postures, Flex boards and Flex sheets with summary of ASC activities. The Multi Disciplinary Weekend Dialogues touched the 50 Number mark since its launch on October 4, 2020. Extensive networking was done by Director, ASC to attract Resource Persons for various FDPs. She specialized in Universal Human Values program of AICTE and successfully completed the AICTE-Mentor Orientation Training Program organized by NITTTR (National Initiative for Technical Teachers Training) Kolkota and AICTE.

The remaining part of the report lists the overall and category- wise events conducted by ASC 2021-22.

2. FDP Events List for 2022-23.

S.NO.	Title of FDP	No. of participants
Faculty Orientation Program (FOP)		
1	Faculty Orientation Program (FOP) - 2022	73
2	Faculty Orientation Program (FOP) - 2022	140
3	One Week Faculty Orientation Program-2022	90
On-Campus 10 Days FDP		
4	The Essence of Density Functional Theory (DFT) for Materials Modelling	10
6 Days FDP		
5	Advanced Research Methods- A Qualitative and Quantitative Approach	16
One week Program		
6	Recent Advancement in Power and Energy Sector	23
7	Research Advancements in Microwave /Millimeter Wave Communication Systems	52
8	Internet of Everything (IoE)	48
9	Recent Advancements in Machine Learning and Artificial Intelligence and IoT along with its applications	19
10	Recent trends of communication: Photonics Technology	12
11	Frontiers of Cyber Security Research in Recent Era	54
12	Deep Spectacle of Deep Learning Architecture Concepts and GAN with Deep fake Techniques	46
13	Data Analysis By Using Various Statistical Techniques	45
14	Recent development in New Engineering Materials and Applications (RDEMA)	12
15	Wellness and Well being	35
16	Smart Grid Features and Application of IoT, AI, Blockchain and Cybersecurity in Smart Grid	20
17	IoT & ML Driven Intelligent Systems & Solutions	26
18	Material Processing Microstructure and Property	23
19	Recent Advancement and Applications in Artificial	13

	Intelligence: Research Perspective	
20	Artificial Intelligence in Solving Real World Problems	13
21	Recent Trends in Computational Intelligence	24
22	Trends and Challenges in Data science with AI and ML: An Industry perspective	22
23	Recent Research Trends In VLSI Design (RRTVD-22)	15
24	Recent Advances and Future Directions of Microwave & Photonic Devices for Communication Systems	25
25	Recent Trends in Beyond 5G Wireless Networks	16
26	Recent Trends in Mathematics with Applications in Sciences, Engineering, and Technology	24
27	Hands-on Introduction to Computer Vision and Deep Learning	27
28	Confluence of AI with High performance computing	12
29	Computational Fluid Dynamics for Beginners : Modeling and Applications	18
30	Optimization, Soft Computing And Numerical Modeling In Advanced Manufacturing	14
Weekend Series - Dialogue with Experts		
31	Industrial Trends in AI	108
32	Future Advancements in Electric Vehicles and Electric Vehicle Supply Equipments : A research perspective	58
33	Thriving in New VUCA World	7
34	Data Science and Analytics- Researcher's Perspective	41
35	Finite Element Study of Natural Convection in a Porous Cavity	72
36	How do humanities and social science scholars study science and technology?	27
37	Predictive Healthcare Analytics using Machine Learning	33
38	Unwind mind: A campaign for Mental Wellness	48
On-Campus FDP		
39	Moodle for Python/Java Code Evaluation	14
40	Transform Institutional Practices through Innovations in Research and Education	124
41	Assessment of Python programming using Moodle-	67

	Coderunner/VPL	
42	Posture correction for daily activities,Ergonomic	18
43	A hands-on Study on Cyberterrorism	12
44	Machine Learning Systems	39
45	Historical View of Indian Knowledge Systems	21
46	Building Inner Confidence through neuro-scientific techniques	16
47	Consciousness of the Built Environment	17
48	Tips and Tricks for Efficient MIP Formulation and Linearizations	12
49	Innovation and startup management	13
50	Portstay- All In One Enterprise Software	24
51	Information Cyber Security Resilience in Critical Information Infrastructure and Protection	36
52	Recent Trends in Software Testing and Tools with case studies	12
53	Reliability and Quality Assurance for Spacecraft Systems	14
54	Introduction to Electric Vehicle (EV) and Autonomous Vehicle (EV)	20
55	Give the gift of Proctoring	14
56	High temperature Materials Characterization and Applications	38
57	Advanced materials engineering technologies for quantum to multiscale technologies	11
3 Days FDP		
58	Exploring Perception of Research through Data Science	168
59	Emerging Trends in Data Science, Artificial Intelligence, and Machine Learning	151
60	Mathematical Modeling In Physical Sciences & Engineering	89
61	Recent Development and Challenges in RF and Microwave Communication	53
62	Opti-PDE: Optimization and Partial Differential Equation - An Avenue to a New Dimension	51
63	Recent Trends in Electronics and Data Science	7

64	Recent Practices for Secured Software Development	12
2 Days FDP		
65	Some Recipes to Progress in Artificial Intelligence	6
66	A hands-on Study on Cyberterrorism	12
67	Demystifying Industrial Robots in I4.0	22
1 Day FDP		
68	The Role of NDT in Nuclear and Thermal Power Stations	19
69	Importance Of Financial Planning For University Faculty	35
70	Reconfigurable Intelligent Surfaces for 6G	28
71	Interfacial Interaction of Chemistry and Biology	22
72	LATEX for CIVIL and CHEMICAL Engineers	26
73	Advancements in Microwave and Photonics for Next Generation Communication Systems	12
74	Blockchain on research perspective	34
75	An insight on Research tools for budding researchers	71
76	Building Inner Confidence through neuro-scientific techniques	16
77	Backend Implementation of VLSI Circuits	17
Online FDP		
78	Bioprocessing of microbes and plants for sustainable agricultural development	48
79	Online user awareness session to demonstrate Springer Nature platforms	71
80	Competency and Performance Indicator based OBE for effective attainment evaluation	84
81	Explainable AI and Challenges	61
82	The Art of Doing High-Quality Research and Research Publications	194
83	The Future Opportunities in Data science	110
84	Method To Increase Dependability In A Cloud-fog-edge Environment	35
85	Addressing challenge in medical image processing using Deep learning techniques	85
86	Building Recommendation systems for product websites	39

	using Big Data and real-time streaming	
87	Security Testing with Raspberry Pi	34
88	Utilization of Machine Learning Techniques for the Marine Science and Technology	90
89	Fitness is your Wealth	113
90	Introduction to ANN with predictive analysis and deep view of GAN & Deep fake	84
91	Product Development and Commercialization	34
92	Online Session on Application of Surface Area Analyzer	85
93	General Insurance in Common Man's Life	85
94	Cyber security threats, trends and opportunities for research	86
95	Glide Life with Ease and Grace	79
96	Artificial Intelligence and its Application	86
97	Recommender Systems	23
98	Future Development of Cloud Computing with Kubernetes	33
99	Avoiding Common Errors in English	191
100	Cutting Edge Technology in Cyber Security and Cyber Forensic Investigation - Future era	38
101	Understanding Back and Neck Pain	125
102	Micro Controller Programming for IoT Applications with ATmega Controller	28
103	Avoiding Common Errors in English	160
104	Blockchain and Industry Trends	57
105	Software Project Management Process in I.T Industries	19
106	Artificial Intelligence and its Industrial challenges	68
107	Avoiding Common Errors in English	161
108	Dockerisation in AWS with EKS - Elastic Container Services.	24
109	Avoiding Common Errors in English	160
110	Avoiding Common Errors in English	168
111	Avoiding Common Errors in English	125
112	FinTech vs TechFin	18

113	Role of AI in Industry 4.0	29
114	Genesis Of Finite Element Methods	31
115	Online Demonstration on STATCRAFT Software.	27
116	Eye Care Awareness	71
117	Introduction to AI with Generative Adversarial Networks and Real time Deep fake Applications	68
118	Naturopathic Approaches and Women's Health	62
119	Approaching Industrial Internet of Things - An IoT Architect Way.	66
120	Channel Your Stress Into Drive and Inspiration	40
121	Live With Top Notch Health	117
122	A research opportunity after PhD	150
123	Digital Twin and Deep Learning-AI driven approach for Smart Factories	75
124	IoT in Medicine: Clinical and Engineering Aspects	40
125	Recent Advancement In Convolutional Neural Network	69
126	Psychophysiotherapy for Teaching professionals	101
127	Graph Coloring Problems and Its Applications	79
128	Determining single-crystal structure with an orientation attachment on an in-house diffractometer	34
129	Prevent and Reverse Lifestyle disorders- BP, Diabetes, Obesity, Cholesterol issues	118
130	Trends and Challenges in Electric Vehicle Charging – An Industry perspective	30
131	Nanowire Optoelectronic Devices And Gas Sensors	28
132	Deep attention is all you need for NLP	30
133	Continuing Professional Development in Higher Education	52
134	Live without Medicines	69
135	Technology commercialisation and nurturing entrepreneurship	28
136	Introduction to Machine Learning for Future Wireless Communication	25
137	Application of Optimization Techniques in Engineering	65

138	It's time to travel	60
139	The ART of innovation is the PART of Entrepreneurship	26
140	Ceramics and Advanced Materials for Energy and Environmental applications	26
141	Advanced Research Methods- A Qualitative and Quantitative Approach	16
142	Payments Data and Machine Learning: Opportunities & Challenges	40
143	Ayurveda/Herbal medicines for Disease Management - A Research Perspective	60
144	Energy and environment problems facing the third world and their probable solutions for sustainable development and poverty alleviation	24
145	Agriculture data analysis and prediction using Adaptive and sophisticated learning models	55
146	Image fusion and Its Applications	18
147	Innovations in Digital Age: Applications in Medical AI	59
148	Auto encoders and it's applications in Computer Vision	48
149	Urban Horticulture	23
150	Rational Design of mRNA based Therapeutics & Vaccines	20
151	Rethink and Rebrand Image of Tourism Destination in Post Covid'19 Pandemic	16
152	Insights on Research Methodology	74
153	Energy and Environment-From cradle to grave- A discussion meet	27
154	Historical View of Indian Knowledge Systems	21

3. Faculty Orientation Program

Faculty Orientation Program (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

S.NO.	Title of FDP	No. of participants
Faculty Orientation Program (FOP)		
1	Faculty Orientation Program (FOP) - 2022	73
2	Faculty Orientation Program (FOP) - 2022	140
3	Faculty Orientation Program (FOP) -2022	90

06.06.2022-05.07.2022 - Faculty Orientation Program (FOP) – 2022



12.09.2022 - 16.09.2022 - Faculty Orientation Program (FOP) – 2022



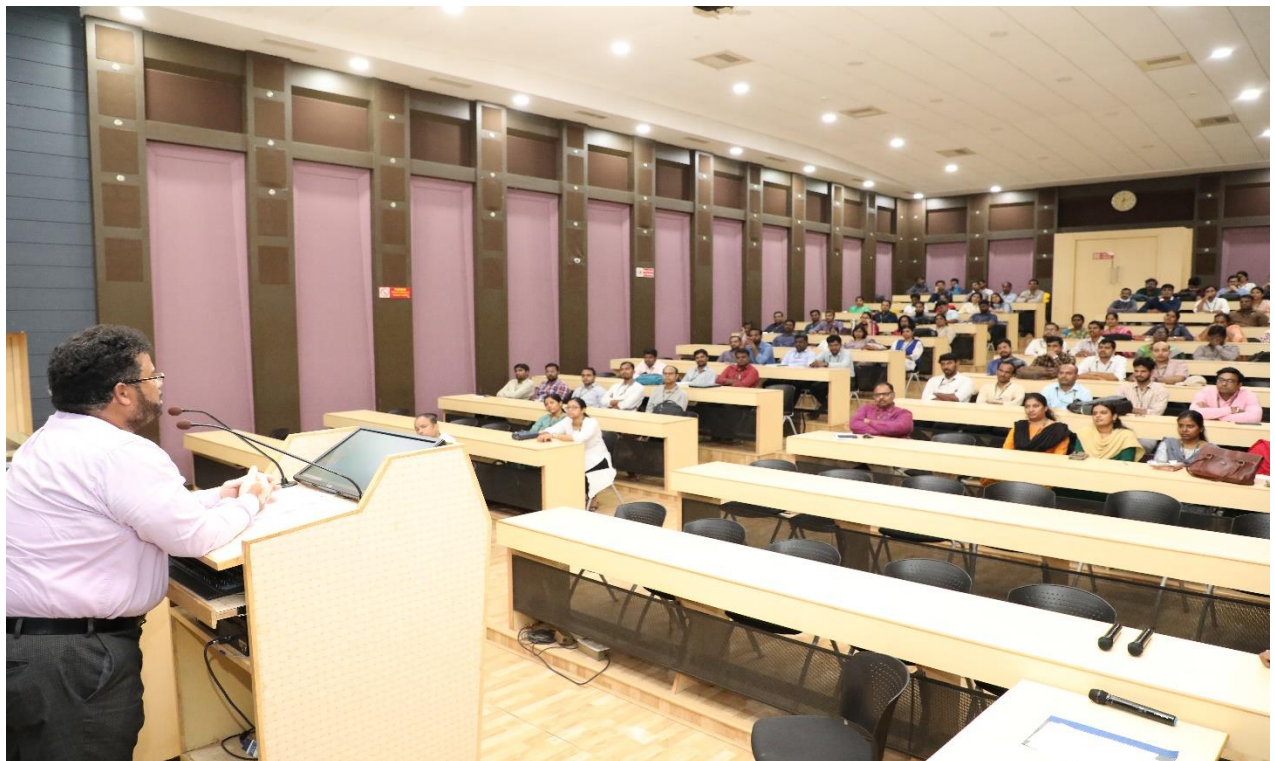
28.11.2022-12.12.2022 - One Week Faculty Orientation Program-2022













4. 10 Days Faculty Development Program

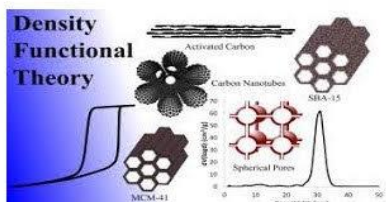
Cordially invites you to

Venue : MB 210

The Essence of Density Functional Theory (DFT) for Materials Modelling

Resource Persons :

Dr. Dhritiman Gupta,
Dr. Balakrishnan S,
Dr. Samir Ranjan Meher,
VIT, Vellore.

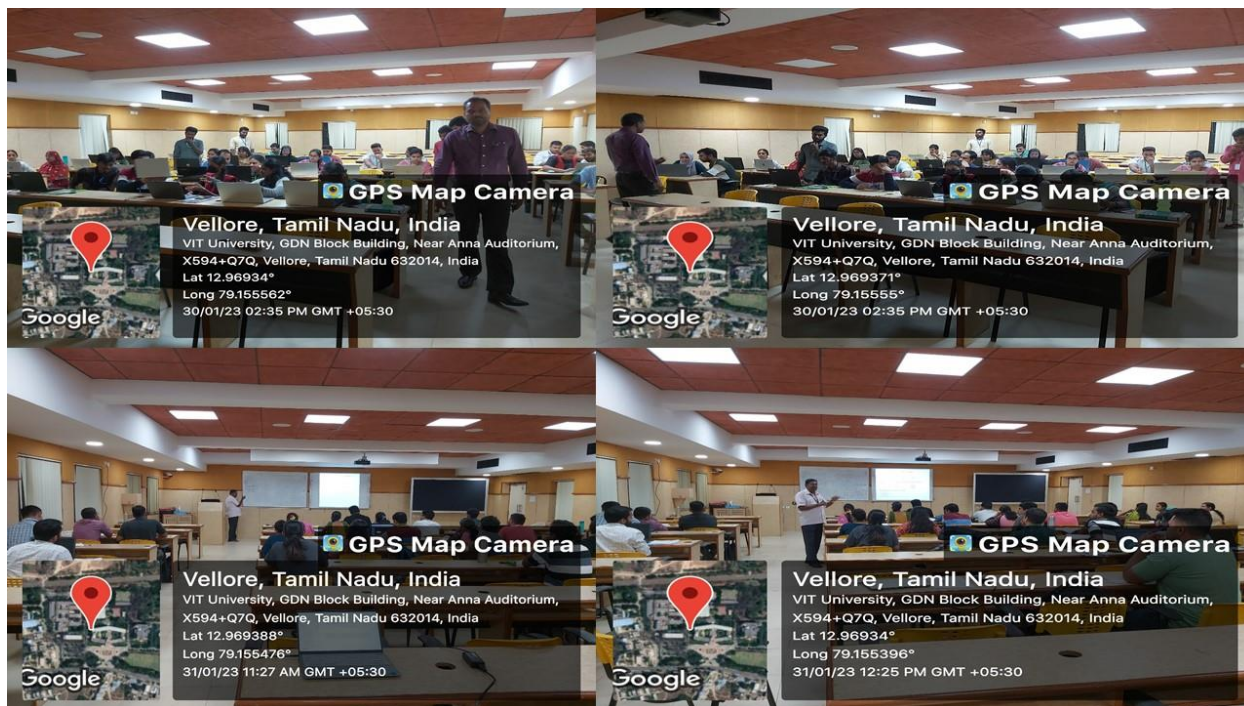


Discussion Points :

- ✦ Introduction to Quantum Ideas
- ✦ Applications of Schrodinger equation in the Real World
- ✦ Hydrogen atom problem
- ✦ Helium atom problem and the ambiguity with many body systems
- ✦ Variational Principle in Quantum Mechanics
- ✦ Quantum Mechanics of electrons and nuclei- Hartree and Hartree-Fock approximations
- ✦ Electrons in periodic boundary conditions; reciprocal space and Brillouin-Zones
- ✦ Electronic band structure in Solids
- ✦ Introduction to Density Functional Theory
- ✦ Kohn-Sham DFT
- ✦ Exchange-Correlation in DFT- (LDA and GGA)
- ✦ Mathematical representation of the Kohn-Sham orbitals: Basis sets
- ✦ Plane wave basis set and Pseudopotentials
- ✦ The self-consistent field procedure for Kohn-Sham DFT calculations
- ✦ Hands on session on Quantum ESPRESSO- Basic software requirements and Installation
- ✦ Hands on session- Simple electronic structure calculations using Quantum ESPRESSO
- ✦ Electronic Density of States and Band Structure Calculations- Hands on session
- ✦ Calculation of Mechanical properties of Solids through Thermo_PW drivers- Hands on session
- ✦ Calculation of Vibrational properties of Solids- Hands on session

30-Jan-2023 to 10-Feb-2023
@10:00AM-05:30PM

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



30 January – 10 February 2023 - The Essence of Density Functional Theory (DFT) for Materials Modelling

5. 6 Days Faculty Development Program



VIT
Vellore Institute of Technology
(Chartered by University under section 10 of UGC Act, 1956)

Academic Staff College(ASC)

In association with School of Information Technology and Engineering (SITE)



Cordially invites you to

6 Days FDP (02.00 PM - 4.00 PM)

Faculty Coordinators : Dr. Shynu P G, Dr. Chiranji Lal Chowdhary, Dr. John Singh K.

"Advanced Research Methods- A Qualitative and Quantitative Approach"

Resource Persons :

- Dr Pooja jain, Indian Institute of Information Technology, Nagpur.
- Dr Varun Menon, SCMS School of Engineering & Technology, Cochin.
- Dr Vinod P, Cochin University of Science & Technology, Cochin.
- Dr Vimal P, Dayananda Sagar College of Engineering, Bangalore.
- Dr Parameshachari B D, NMIT, Bangalore.
- Dr Jayashri Vajpai, MBM University, Jodhpur.

Discussion Points :

- This FDP provides valuable insights into a research problem with a fresh perspective.

07-12 Nov - 2022
(Monday – Saturday)



Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>




07 – 12 November 2023 - Advanced Research Methods-A Qualitative and Quantitative Approach

6. One week Faculty Development Program

The following One week Faculty Development Programs were conducted for various schools and centers' faculty members between April 2022 and March 2023. Faculty Members from both Schools and centers have taken up the training.


S. No.	Title of FDP	No. of participants
One week Program		
1.	Recent Advancement in Power and Energy Sector	23
2.	Research Advancements in Microwave /Millimeter Wave Communication Systems	52
3.	Internet of Everything (IoE)	48
4.	Recent Advancements in Machine Learning and Artificial Intelligence and IoT along with its applications	19
5.	Recent trends of communication: Photonics Technology	12
6.	Frontiers of Cyber Security Research in Recent Era	54
7.	Deep Spectacle of Deep Learning Architecture Concepts and GAN with Deep fake Techniques	46
8.	Data Analysis By Using Various Statistical Techniques	45
9.	Recent development in New Engineering Materials and Applications (RDEMA)	12
10.	Wellness and Well being	35
11.	Smart Grid Features and Application of IoT, AI, Blockchain and Cybersecurity in Smart Grid	20
12.	IoT & ML Driven Intelligent Systems & Solutions	26
13.	Material Processing Microstructure and Property	23
14.	Recent Advancement and Applications in Artificial Intelligence: Research Perspective	13
15.	Artificial Intelligence in Solving Real World Problems	13
16.	Recent Trends in Computational Intelligence	24
17.	Trends and Challenges in Data science with AI and ML: An Industry perspective	22
18.	Recent Research Trends In VLSI Design (RRTVD-22)	15
19.	Recent Advances and Future Directions of Microwave & Photonic Devices for Communication Systems	25
20.	Recent Trends in Beyond 5G Wireless Networks	16
21.	Recent Trends in Mathematics with Applications in Sciences, Engineering, and Technology	24
22.	Hands-on Introduction to Computer Vision and Deep Learning	27
23.	Confluence of AI with High performance computing	12
24.	Computational Fluid Dynamics for Beginners : Modeling and Applications	18
25.	Optimization, Soft Computing And Numerical Modeling In Advanced Manufacturing	14



VIT
Vellore Institute of Technology

Academic Staff College(ASC)

In association with School of Computer Science and Engineering (SCOPE)
and
School of Information Technology and Engineering (SITE)



Online


5 Days FDP (10:00 AM – 4:30 PM)

Faculty Coordinators : Prof. Sudha.S, Prof. Brindha K

Frontiers of Cyber Security Research in Recent Era

Resource Persons :

- Shri. Dinesh Paranthagan, Hackup Technology, Coimbatore
- Prof. Abirami, Bannari Amman Institute of Technology, Erode
- Prof. Nisha Varghese, Krupanidhi Group of Institutions, Bangalore
- Shri. Sriram Nagarajan, RoboRAM, Nagercoil
- Dr. Harihara Gopalan, Sri Ramakrishna Engineering College, Coimbatore



22 – 26 August 2022
(Monday – Friday)

Discussion Point :

- ❑ Cyber security research challenges

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



22 – 26 August 2022 - Frontiers of Cyber Security Research in Recent Era

Cordially invites you to

Online

5 Days FDP (10.00 AM - 5.00 PM)

Faculty Coordinators : Dr. Charanya R, Dr. Seetha R, Dr. Parimala M

Wellness and Well being

Resource Persons :

- **Dr Thendral**, Senior Consultant, Rainbow Hospital, Chennai.
- **Dr Geetha**, Senior Consultant, Rainbow Hospital, Chennai.
- **Ms Geetha Rajendran**, Nutritional consultant, VJ Prana -Yoga, Salem.
- **Mr Arun Kumar R**, Proprietor, VJ Prana, Salem.
- **Dr Nithish Pandian**, Senior Consultant Physiotherapist, Shree Nidhi Physio& Fitness Center, Vellore.
- **Dr Thenmozhi**, Senior Consultant Physiotherapist, Shree Nidhi Physio& Fitness Center, Vellore.

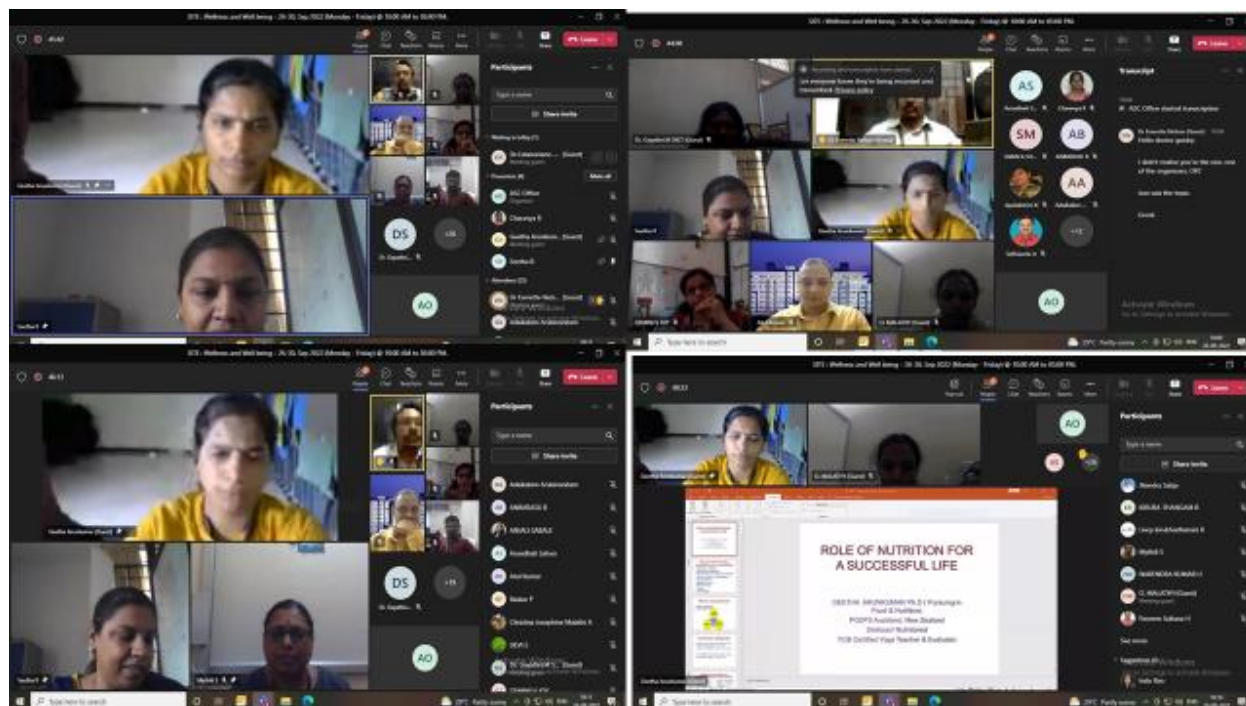
Discussion Points :

- > Role of Nutrition for a Successful Life
- > Role of Yoga in Stress Management
- > Wellness of Women
- > Childcare
- > Importance of Fitness and Diet



**26 – 30 September
2022
(Monday – Friday)**

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



26 – 30 September 2022 - Wellness and Well being



VIT
Vellore Institute of Technology

Academic Staff College(ASC)

In association with School of Electronics Engineering (SENSE)

Cordially invites you to

5 Days FDP (10.00 AM - 4.00 PM)



Online

Faculty Coordinators : Dr. Konguvel E, Dr. Sujatha R

IoT & ML Driven Intelligent Systems & Solutions

Resource Persons :

Dr Cinu C Kiliroor, IIT, Kottayam.
 Dr M Sridevi, NIT, Tiruchirappalli.
 M Deepan Raj, HCL Technologies, Chennai.
 Mr. C Vijayanand, Software Development Manager, Amazon, Chennai.
 Dr K Vijayakumar, Indian Institute of Information Technology Design and Manufacturing Kancheepuram
 Dr V Mohanraj, Standard Chartered GBS, Chennai.
 Dr V Sathieshkumar, Anna University, MIT Campus, Chennai.
 Dr P Uma Maheswari, Anna University, CEO Campus, Chennai.
 Dr K Subramanian, Enthu, Technology Solutions Pvt Ltd, Coimbatore.

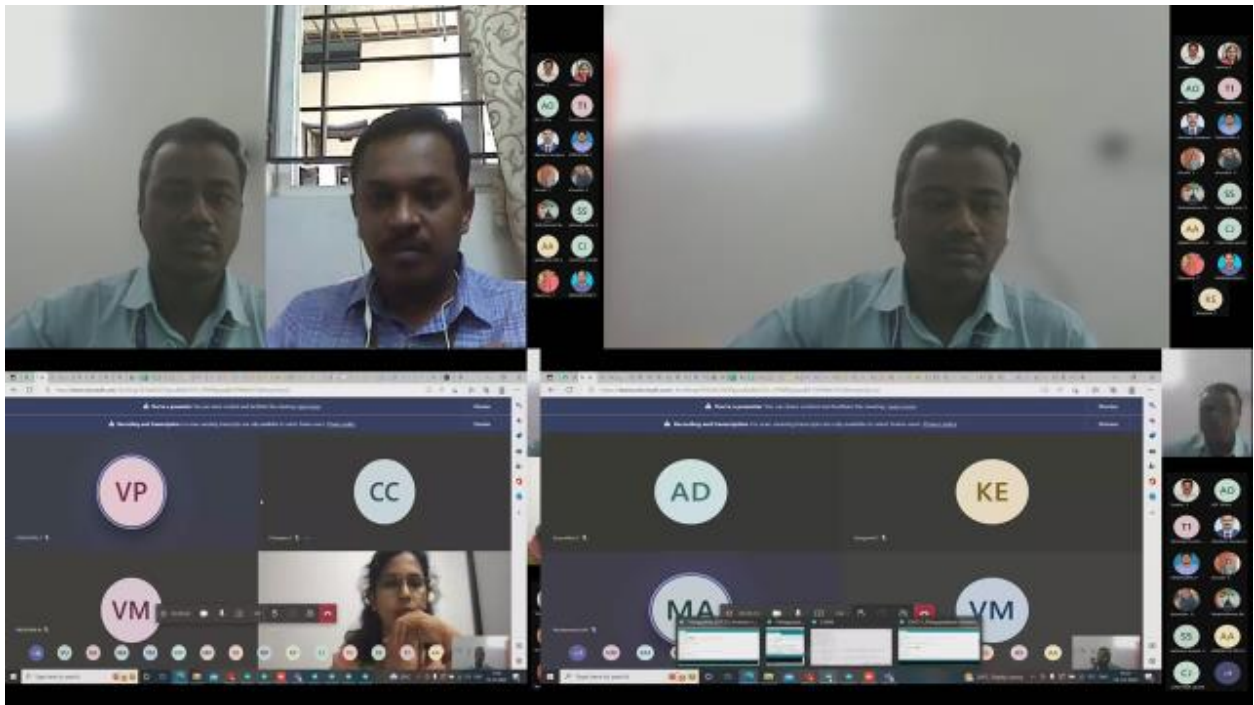
Discussion Points :

- ❖ ML Paradigm & Applications
- ❖ SVM, ANN & Applications
- ❖ Architectural Advancements in ML
- ❖ Application of IoT in Smart Grid
- ❖ Industrial Application with IoT & Machine Learning
- ❖ Machine Learning Models using Python
- ❖ Reinforcement Learning & its applications in Robotics
- ❖ IoT in Industry 4.0
- ❖ ESP32, LoRA enabled IoT Edge Devices Interfacing & Programming



10-14 Oct - 2022
(Monday – Friday)

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



10-14 October 2022 - IoT & ML Driven Intelligent Systems and Solutions

Online

Cordially invites you to

5 Days FDP (10.00 AM - 4.00 PM)

Faculty Coordinators : Dr. Abdul Majeed K K, Dr. Vikas Vijayvargiya, Dr. Debashish Dash

RECENT RESEARCH TRENDS IN VLSI DESIGN (RRTVD-22)

Resource Persons :

- Prof Binsu J Kailath, IITDM, KANCHEEPURAM.
- Dr Dhanaraj K J, NIT CALICUT.
- Dr Bal Chand Nagar, NIT PATNA.
- Dr Srinivasa Reddy, Modernizechup Solutions, Hyderabad.
- Dr Apurba Chakraborty, BITS Pilani Goa Campus, Goa.
- Dr Sumit Kale, DTU, New Delhi.
- Dr Pooran Singh, Manindra Ecole, Hyderabad.
- Dr Deepika Gupta, IIT Naya Raipur.
- Dr Bharath Sreenivasulu, Vellore Institute, Chennai.
- Dr Rupam Goswami, Tezpur University, Tezpur.

Discussion Points :

- ✓ Analog Vlsi Design
- ✓ Digital Vlsi Design
- ✓ Device Modelling



**21-25, November 2022
(Monday – Friday)**

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



21-25 November 2022 - Recent Research Trends in VLSI Design (RRTVD-22)

Academic Staff College(ASC)

In association with School of Computer Science and Engineering (SCOPE)

Cordially invites you to

Kamaraj Auditorium 7th Floor TT

5 Days FDP (10.00 AM - 5.00 PM)

Faculty Coordinator : Dr. Mohan Kumar P



Confluence of AI with High performance computing

Resource Persons :

Dr Malaya Kumar Nath, NIT , Pondicherry.
Mr Jai Ganesh Suresh, Data scientist Architect, Chennai.
Prof V Sathish Kumar, Anna University, Chennai.
Dr Prakash Mathiagan, DataMoo, Chennai.
Prof Ravikant Kumar, SRM University, Amaravathi.
Dr. Hemprasad Yashwant Patil, VIT, Vellore.
Dr. Debashreet Das, VIT, Vellore.



Discussion Points :

- To drive the idea of trending algorithm AI,
- AI and its application on building predictive model for house sales.
- A generic Based Hands-on project of Deep Fake technologies, Deep learning and Explainable AI for Medical Image Processing
- criterias to consider by selecting high-performance computing systems to run I Algorithms
- How the applications are induced into HPC environment
- Latest devices that are present for setting up HPC environment

**06-10 February - 2023
(Monday - Friday)@ 10:00AM-5:00PM**

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



6 – 10 February 2023 - Confluence of AI with High Performance Computing

7. Weekend Dialogue

The weekend dialogue were conducted on Friday evening, Saturday and Sunday mornings.

S. No.	Title of FDP	No. of participants
Weekend Series - Dialogue with Experts		
1.	Industrial Trends in AI	108
2.	Future Advancements in Electric Vehicles and Electric Vehicle Supply Equipments : A research perspective	58
3.	Thriving in New VUCA World	7
4.	Data Science and Analytics- Researcher's Perspective	41
5.	Finite Element Study of Natural Convection in a Porous Cavity	72
6.	How do humanities and social science scholars study science and technology?	27
7.	Predictive Healthcare Analytics using Machine Learning	33
8.	Unwind mind: A campaign for Mental Wellness	48



Academic Staff College(ASC)

In association with School of Information Technology & Engineering (SITE)

Cordially invites you to



Weekend Series - Dialogue with Experts

Online

Industrial Trends in AI

Resource Person :

Program Coordinator : Dr. Nancy Victor



Dr. Anjana P Das
Specialist ADAS/ AD
Tata Elxsi,
Trivandrum

Discussion Points :

- Recent trends in transportation industry
- Role of AI in Autonomous Vehicle Navigation
- AI Enabled Predictive Maintenance in EV, Rail, and FMCE

**09 April 2022
(Saturday)
10.30 AM to 12.00 Noon**



Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



09 April 2022 - Industrial Trends in AI

Online

Cordially invites you to

How do humanities and social science scholars study science and technology?

Resource Person :

Dr. JOBIN MATHEW KANJIRAKKAT
School of Social Sciences &
Languages (SSL)
VIT Vellore 632 004

Discussion Points :

- ❖ Science and Technology Studies as an academic discipline.
- ❖ History and philosophy of science.
- ❖ Sociology of science
- ❖ Language of science



14 May 2022 (Saturday)
Time : 10:00 AM to 11:30 AM

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



14 May 2022 - How do humanities and social science scholars study science and technology?

Cordially invites you to

Weekend Series - Dialogue with Experts

Online

Faculty Coordinators : Dr. Arivoli A, Dr. Jagatheswari S

Predictive Healthcare Analytics using Machine Learning

Resource Person :



Dr Doreen Robin,
CEO and Director,
Computation Intelligence Research
Foundation,
Chennai



24 September 2022 (Saturday)
11:00 AM to 01:00 PM

Discussion Points :

- ❖ How does Predictive informatics enable decision-makers to aggregate and analyse disparate types of data:
- ❖ Researchers
- ❖ Analysts
- ❖ Physicians

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



24 September 2022 - Predictive Healthcare Analytics using Machine Learning

Online FDP

Faculty Coordinators : Dr. Mohan Ganesh G, Dr. Santhi A.S

Unwind mind: A campaign for Mental Wellness

Resource Person :



Dr Pavithra Arunachleeswaran,
Consultant Psychiatrist,
Private Practitioner,
Chennai.



**26 November 2022
(Saturday)
11:00 AM to 12:30 PM**

Discussion Points :

- ❖ Focuses on the areas of stress management.
- ❖ Effective communication and interpersonal relationship.

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>




26 November 2022 - Unwind mind: A campaign for Mental Wellness

8. On-campus FDP

(Teaching-Learning Workshop)


S.NO.	Title of FDP	No. of participants
On-Campus FDP		
1.	Moodle for Python/Java Code Evaluation	14
2.	Transform Institutional Practices through Innovations in Research and Education	124
3.	Assessment of Python programming using Moodle-Coderunner/VPL	67
4.	Posture correction for daily activities,Ergonomic	18
5.	A hands-on Study on Cyberterrorism	12
6.	Machine Learning Systems	39
7.	Historical View of Indian Knowledge Systems	21
8.	Building Inner Confidence through neuro-scientific techniques	16
9.	Consciousness of the Built Environment	17
10.	Tips and Tricks for Efficient MIP Formulation and Linearizations	12
11.	Innovation and startup management	13
12.	Portstay- All In One Enterprise Software	24
13.	Information Cyber Security Resilience in Critical Information Infrastructure and Protection	36
14.	Recent Trends in Software Testing and Tools with case studies	12
15.	Reliability and Quality Assurance for Spacecraft Systems	14
16.	Introduction to Electric Vehicle (EV) and Autonomous Vehicle (EV)	20
17.	Give the gift of Proctoring	14
18.	High temperature Materials Characterization and Applications	38
19.	Advanced materials engineering technologies for quantum to multiscale technologies	11



VIT
Vellore Institute of Technology

Academic Staff College(ASC)

In association with School of Mechanical Engineering(SMEC) &
School of Computer Science and Engineering(SCOPE)



Cordially invites you to

On campus FDP

Faculty Coordinators : Dr. Manoo R, Dr. Bikash Routh

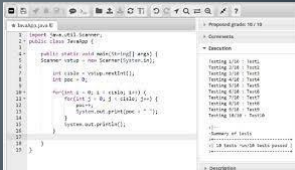
'Moodle for Python/Java Code Evaluation'

Resource Person :

Dr. Kumar K
Institute for Industry and International Programme
VIT, Vellore

Discussion Points :

- With moodle we can evaluate Python and Java code



01 April 2022 (Friday)
11:30 AM to 12:30 PM
Venue : MB110 CAD LAB

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



01 April 2022 - Moodle for Python/Java Code Evaluation



VIT
Vellore Institute of Technology

Academic Staff College(ASC)

Cordially invites you to



Venue : Kamraj Auditorium TT 7TH Floor

Faculty Coordinator : Dr. Padmanabhan K

Historical View of Indian Knowledge Systems

Resource Person:



Prof Raj Vedam,
Hindu University of America,
Florida



Discussion Points :


- Epistemology
- Indian knowledge Systems
- Historical Growth
- Current scenario

27-Jan-2023 (Friday) @ 02:00PM-05:30PM

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/InitialProcess>



27 January 2023 - Historical View of Indian Knowledge Systems



VIT
Vellore Institute of Technology

Academic Staff College(ASC)

In association with Automotive Research Centre (ARC)

Cordially invites you to



Venue : MB210

Faculty Coordinators : Dr. Rammohan A , Dr. Porpatham E

Introduction to Electric Vehicle (EV) and Autonomous Vehicle (EV)

Resource Persons :

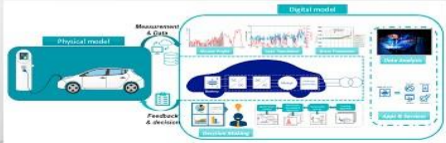
Dr Yong Wang,
Dept. of Systems Science & Industrial
Engineering, SUNY - Binghamton University,
New York

Dr. Ramesh Kumar C,
Automotive Research Centre,
VIT Vellore.

**21-Mar-2023
(Tuesday)@
9:30AM-1:00PM**

Discussion Points :

- ✓ Introduction to Electric Vehicle
- ✓ Global EV Market Data Analytics and Exploration
- ✓ Introduction to Autonomous Vehicle Sensors



Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



21 March 2023 – Introduction to Electric Vehicle (EV)

9. Three - day Faculty Development Program

S. No.	Title of FDP	No. of participants
3 Days FDP		
1.	Exploring Perception of Research through Data Science	168
2.	Emerging Trends in Data Science, Artificial Intelligence, and Machine Learning	151
3.	Mathematical Modeling In Physical Sciences & Engineering	89
4.	Recent Development and Challenges in RF and Microwave Communication	53
5.	Opti-PDE: Optimization and Partial Differential Equation - An Avenue to a New Dimension	51
6.	Recent Trends in Electronics and Data Science	7
7.	Recent Practices for Secured Software Development	12

3 Days FDP (10.00 AM - 4.00 PM)

Online FDP

Cordially invites you to

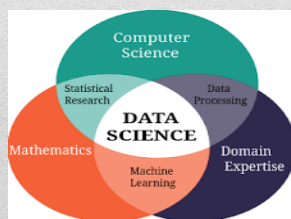
Faculty Coordinators : Dr. Sujatha R, Dr. Prabhavathy P

Exploring Perception of Research through Data Science

Resource Person :

Dr. Manik Sharma, DAV University, Jalandhar.
Dr. K. Balasubramanian, Head, Vision unlimited, Chennai.
Dr. Anand Kumar, NITK, Surathkal.
Dr. Manjunathan, Pega Systems, Bangalore.
Dr. Jude Hemanth, Karunya University, Coimbatore.
Dr. Vijayakumar Ponnusamy, SRM Institute, Chennai.

**18 – 20, July 2022 (Monday- Wednesday)
10:00 AM to 04:00 PM**




Discussion Points :

- ❖ Smart context-aware healthcare system
- ❖ Work life Balance
- ❖ TL for NPL
- ❖ Big Data and Tools
- ❖ Nuts and Bolts – Research manuscript & proposals

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



18-20 July 2023 – Exploring Perception of Research through Data Science




VIT
Vellore Institute of Technology

Academic Staff College(ASC)

In association with School of Advanced Sciences (SAS)

Cordially invites you to

3 Days FDP (10.00 AM - 4.30 PM)



Online

Faculty Coordinator : Dr. Chandru M, Dr. Prakash M

MATHEMATICAL MODELING IN PHYSICAL SCIENCES & ENGINEERING


04-06 January - 2023
(Wednesday – Friday)

Resource Persons :

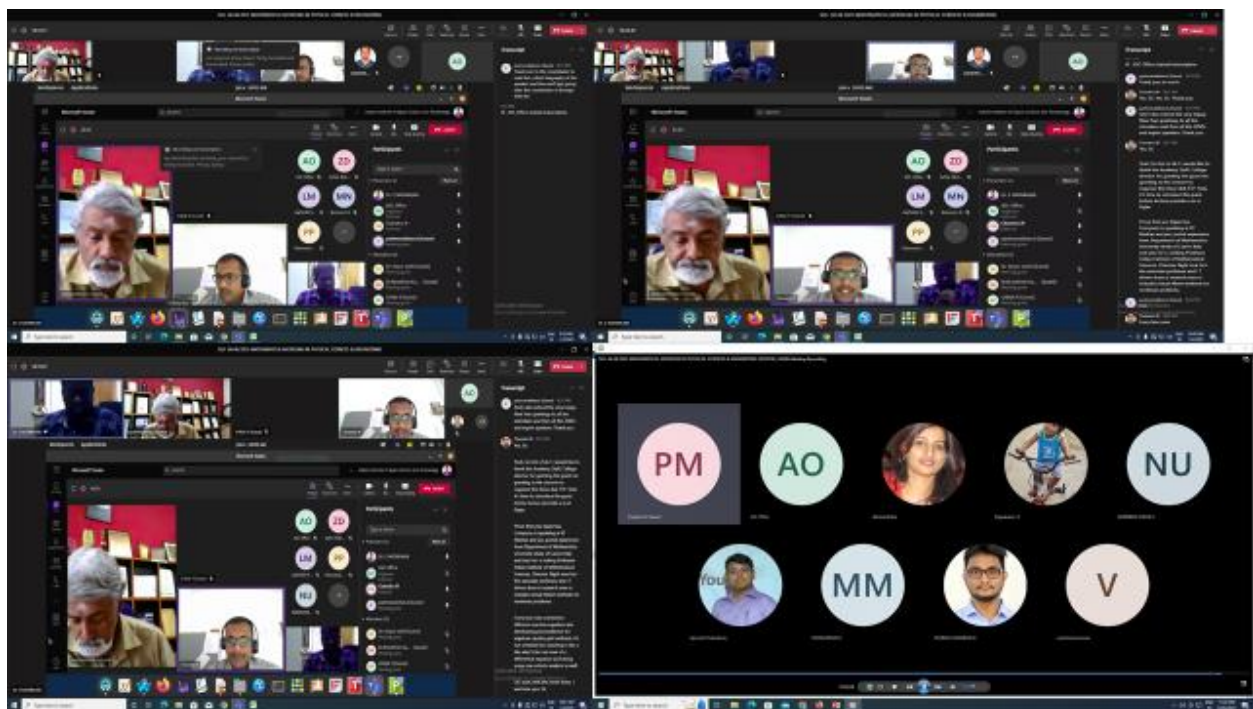
- **Prof Ram Jiwarei**, IIT, Roorkee Uttarakhand.
- **Prof S Sundar**, IIT, Madras.
- **Prof Praveen Agarwal**, Anand International College of Engineering, Jaipur.
- **Prof Girish Kumar Rajan**, IIT, Tirupati.
- **Prof Panchatcharam Mariapp**, IIT, Tirupati.
- **Prof E Natarajan**, Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala.

Discussion Points :

- ✓ The discussion on basic mathematical modelling and its importance.
- ✓ Application of mathematical modelling in physical sciences and engineering applications.
- ✓ Interactive discussion on the applications and emerging areas of research in modelling and its applications.
- ✓ Analysis of discussed models to give a complete picture of a problem from statement to solutions.
- ✓ An inspiring environment to boost up the students and research scholars towards application based research.



Please register through your vtop login at <https://vtop.vit.ac.in/vtop/InitialProcess>



04-06 January 2023 – Mathematical Modeling in Physical Sciences and Engineering

10. Two - day Faculty Development Program

S. No.	Title of FDP	No. of participantS
2 Days FDP		
1.	Some Recipes to Progress in Artificial Intelligence	6
2.	A hands-on Study on Cyberterrorism	12
3.	Demystifying Industrial Robots in I4.0	22



Academic Staff College(ASC)

In association with School of Electronics Engineering (SENSE)

Cordially invites you to



Online FDP

Faculty Coordinators : Prof. Usha Rani S, Prof. Sarwesh P

Some Recipes to Progress in Artificial Intelligence

Resource Person :

- ❑ Dr Prerana Mukherjee
Assistant Professor, Department of CSE,
School of Engineering
Jawaharlal Nehru University, Delhi
- ❑ Dr Sahana M Prabhu
Research Scientist and Technical Architect,
Industry Robert Bosch Engineering and Business Solutions Private Limited,
Bengaluru
- ❑ Dr Sandeep Kumar Singh
Researcher, Department of EECS
University of California Davis, California
United States of America
- ❑ Dr. Seemanthini. K
Assistant Professor, Department of Machine Learning
BMS College of Engineering, Bengaluru

Discussion Points :

- Generative Adversarial Networks
- Data Pre-processing
- AI for Computer Vision



10-11 November 2022
(Thursday and Friday) @
10:00AM – 05:00PM


Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



10-11 November 2022 – Some Recipes to Progress in Artificial Intelligence

11. One - day Faculty Development Program

S. No.	Title of FDP	No. of participants
1 Day FDP		
1.	The Role of NDT in Nuclear and Thermal Power Stations	19
2.	Importance Of Financial Planning For University Faculty	35
3.	Reconfigurable Intelligent Surfaces for 6G	28
4.	Interfacial Interaction of Chemistry and Biology	22
5.	LATEX for CIVIL and CHEMICAL Engineers	26
6.	Advancements in Microwave and Photonics for Next Generation Communication Systems	12
7.	Blockchain on research perspective	34
8.	An insight on Research tools for budding researchers	71
9.	Building Inner Confidence through neuro-scientific techniques	16
10.	Backend Implementation of VLSI Circuits	17




VIT
Vellore Institute of Technology

Academic Staff College(ASC)

In association with School of Information Technology and Engineering (SITE)

Cordially invites you to




Rajaji Hall


Faculty Coordinator : Dr. Chandrasegar.T, Dr. Magesh G.

Machine Learning Systems

Resource Persons :




Dr Narayan K,
Sai Vidya Institute of Technology,
Bangalore.



Ms. Divya Shree S,
Managing Partner,
Oppen Fynn Innovation Labs,
Bangalore.

Discussion Points :

- Introduction to Machine Learning and Types of Machine Learning Systems
- Hands on session to Execute End to End Machine Learning Project.



18 January - 2023
(Wednesday) @
10:00AM-01:00PM

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



18 January 2023 - The Role of NDT in Nuclear and Thermal Power Stations



Academic Staff College(ASC)

In association with School of Mechanical Engineering (SMEC)

Cordially invites you to



Kamaraj Auditorium, TT 7th Floor

Faculty Coordinators : Dr. Jayaprakash Narayan M, Dr. Anandavel K

Building Inner Confidence through neuro-scientific techniques

Resource Person :



Mr Shivam,
Life Coach and Corporate Trainer,
Aerospace Engineer,
Mohali.



Discussion Points :

- ❖ Creating understanding on emotional intelligence, and connect between emotional intelligence and self confidence
- ❖ Practical sessions to
- ❖ Help the participants to become more aware of their emotions
- ❖ Build on inner confidence through neuro-scientific ways and techniques
- ❖ Make aware of value system that will allow them to feel confident internally than to seek it outside

**10 February - 2023
(Friday)@ 10:00AM-4:00PM**

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



Vellore, Tamil Nadu, India
X594+J88, Vellore, Tamil Nadu 632014, India
Lat 12.968964°
Long 79.155874°
10/02/23 03:17 PM GMT +05:30



Vellore, Tamil Nadu, India
X594+J88, Vellore, Tamil Nadu 632014, India
Lat 12.968964°
Long 79.155874°
10/02/23 10:24 AM GMT +05:30



Vellore, Tamil Nadu, India
X594+J88, Vellore, Tamil Nadu 632014, India
Lat 12.968964°
Long 79.155874°
10/02/23 02:31 PM GMT +05:30

10 February 2023 – Building Inner Confidence through neuro-scientific techniques

12. Faculty Development Program (1-2 hour)

S. No.	Title of FDP	No. of participants
1 or 2 hour Online FDP		
1.	Bioprocessing of microbes and plants for sustainable agricultural development	48
2.	Online user awareness session to demonstrate Springer Nature platforms	71
3.	Competency and Performance Indicator based OBE for effective attainment evaluation	84
4.	Explainable AI and Challenges	61
5.	The Art of Doing High-Quality Research and Research Publications	194
6.	The Future Opportunities in Data science	110
7.	Method To Increase Dependability In A Cloud-fog-edge Environment	35
8.	Addressing challenge in medical image processing using Deep learning techniques	85
9.	Building Recommendation systems for product websites using Big Data and real-time streaming	39
10.	Security Testing with Raspberry Pi	34
11.	Utilization of Machine Learning Techniques for the Marine Science and Technology	90
12.	Fitness is your Wealth	113
13.	Introduction to ANN with predictive analysis and deep view of GAN & Deep fake	84
14.	Product Development and Commercialization	34
15.	Online Session on Application of Surface Area Analyzer	85
16.	General Insurance in Common Man's Life	85
17.	Cyber security threats, trends and opportunities for research	86
18.	Glide Life with Ease and Grace	79
19.	Artificial Intelligence and its Application	86
20.	Recommender Systems	23

21.	Future Development of Cloud Computing with Kubernetes	33
22.	Avoiding Common Errors in English	191
23.	Cutting Edge Technology in Cyber Security and Cyber Forensic Investigation - Future era	38
24.	Understanding Back and Neck Pain	125
25.	Micro Controller Programming for IoT Applications with ATmega Controller	28
26.	Avoiding Common Errors in English	160
27.	Blockchain and Industry Trends	57
28.	Competency and Performance Indicator based OBE for effective attainment evaluation	84
29.	Explainable AI and Challenges	61
30.	The Art of Doing High-Quality Research and Research Publications	194
31.	The Future Opportunities in Data science	110
32.	Method To Increase Dependability In A Cloud-fog-edge Environment	35
33.	Addressing challenge in medical image processing using Deep learning techniques	85
34.	Building Recommendation systems for product websites using Big Data and real-time streaming	39
35.	Security Testing with Raspberry Pi	34
36.	Utilization of Machine Learning Techniques for the Marine Science and Technology	90
37.	Fitness is your Wealth	113
38.	Introduction to ANN with predictive analysis and deep view of GAN & Deep fake	84
39.	Product Development and Commercialization	34
40.	Online Session on Application of Surface Area Analyzer	85
41.	General Insurance in Common Man's Life	85
42.	Cyber security threats, trends and opportunities for research	86
43.	Glide Life with Ease and Grace	79
44.	Artificial Intelligence and its Application	86
45.	Recommender Systems	23
46.	Future Development of Cloud Computing with Kubernetes	33
47.	Avoiding Common Errors in English	191
48.	Cutting Edge Technology in Cyber Security and Cyber Forensic Investigation - Future era	38

49.	Understanding Back and Neck Pain	125
50.	Micro Controller Programming for IoT Applications with ATmega Controller	28
51.	Avoiding Common Errors in English	160
52.	Blockchain and Industry Trends	57
53.	Software Project Management Process in I.T Industries	19
54.	Artificial Intelligence and its Industrial challenges	68
55.	Avoiding Common Errors in English	161
56.	Dockerisation in AWS with EKS - Elastic Container Services.	24
57.	Avoiding Common Errors in English	160
58.	Avoiding Common Errors in English	168
59.	Avoiding Common Errors in English	125
60.	FinTech vs TechFin	18
61.	Role of AI in Industry 4.0	29
62.	Genesis Of Finite Element Methods	31
63.	Online Demonstration on STATCRAFT	
64.	Eye Care Awareness	71
65.	Introduction to AI with Generative Adversarial Networks and Real time Deep fake Applications	68
66.	Naturopathic Approaches and Women's Health	62
67.	Approaching Industrial Internet of Things - An IoT Architect Way.	66
68.	Channel Your Stress Into Drive and Inspiration	40
69.	Live With Top Notch Health	117
70.	A research opportunity after PhD	150
71.	Digital Twin and Deep Learning-AI driven approach for Smart Factories	75
72.	IoT in Medicine: Clinical and Engineering Aspects	40
73.	Recent Advancement In Convolutional Neural Network	69
74.	Psychophysiotherapy for Teaching professionals	101
75.	Graph Coloring Problems and Its Applications	79
76.	Determining single-crystal structure with an orientation attachment on an	
77.	in-house diffractometer	34
78.	Prevent and Reverse Lifestyle disorders- BP, Diabetes, Obesity, Cholesterol issues	118
79.	Nanowire Optoelectronic Devices And Gas Sensors	28
80.	Deep attention is all you need for NLP	30
81.	Continuing Professional Development in Higher Education	52

82.	Live without Medicines	69
83.	Technology commercialisation and nurturing entrepreneurship	28
84.	Introduction to Machine Learning for Future Wireless Communication	25
85.	Application of Optimization Techniques in Engineering	65
86.	It's time to travel	60
87.	The ART of innovation is the PART of Entrepreneurship	26
88.	Ceramics and Advanced Materials for Energy and Environmental applications	26
89.	Advanced Research Methods- A Qualitative and Quantitative Approach	16
90.	Payments Data and Machine Learning: Opportunities & Challenges	40
91.	Ayurveda/Herbal medicines for Disease Management - A Research Perspective	60
92.	Energy and environment problems facing the third world and their probable solutions for sustainable development and poverty alleviation	24
93.	Agriculture data analysis and prediction using Adaptive and sophisticated learning models	55
94.	Advanced Research Methods- A Qualitative and Quantitative Approach	16
95.	Image fusion and Its Applications	18
96.	Innovations in Digital Age: Applications in Medical AI	59
97.	Auto encoders and it's applications in Computer Vision	48
98.	Urban Horticulture	23
99.	Rational Design of mRNA based Therapeutics & Vaccines	20
100.	Rethink and Rebrand Image of Tourism Destination in Post Covid'19 Pandemic	16
101.	Insights on Research Methodology	74
102.	Energy and Environment-From cradle to grave- A discussion meet	27
103.	Historical View of Indian Knowledge Systems	21

The 1 - 2 Hour Online Faculty Development Program was conducted by ASC



Academic Staff College(ASC)

In association with

School of Bio Sciences and Technology(SBST)



Online

Cordially invites you to

Faculty Coordinator : Dr. Devi Rajeswari V

Bioprocessing of microbes and plants for sustainable agricultural development

Resource Person :



Dr. Natarajan Velmurugan
CSIR-NEIST, Branch Laboratory
Itanagar, India

Discussion Points :

- ❖ Bioprocessing of microbes.
- ❖ Bioprocessing of plants.
- ❖ Sustainable agricultural development.



05 April 2022 (Tuesday)

10:30AM to 12:30 PM

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



05 April 2022 - Bioprocessing of microbes and plants for sustainable agricultural development

Online FDP

Cordially invites you to

Faculty Coordinators : Dr. Asis Kumar Tripathy, Dr. Chiranjil Lal Chowdhary

Recommender Systems

Resource Person :

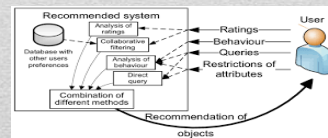


Dr. Sanjaya Kumar Panda.
Assistant Professor,
Dept of Computer Science and Engineering,
National Institute of Technology,
Warangal

**04 May 2022 (Wednesday)
03:00 PM to 05:00 PM**

Discussion Points :

- ❖ Collaborative filtering
- ❖ Content based filtering
- ❖ Memory based filtering
- ❖ Model based filtering
- ❖ Cold Start problem



Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



04 May 2022 - Recommender Systems

Avoiding Common Errors in English

Resource Person :

Faculty Coordinator : Dr. Indu Rao

Dr. Ajanta Sircar, SSL
Dr. Anitha Devi V, SSL
Dr. Bhuvaneswari V, SSL
Dr. Md. Sahul Hameed M A, SSL
Dr. Karthikeyan J, SSL
Dr. Raju R.L.N, SSL

Discussion Points :

- ❖ Common Errors in Usage of English
- ❖ Grammatical Corrections
- ❖ Avoiding Common Errors

May 4, 11, 18, 25
June 1, 8, 2022
(Wednesday)
12 Noon – 1 PM



Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



Avoiding Common Errors in English

Online FDP

Cordially invites you to

Program Coordinator : Prof. Ragukumar P

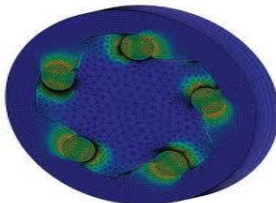
Genesis Of Finite Element Methods

Resource Person :



Dr E Natarajan
Associate Professor, Department Of Mathematics,
Indian Institute Of Space Science And Technology,
Trivandrum

27 July 2022
(Wednesday)
11:00 AM – 1:00 PM



Discussion Points :

- ☐ Basics of finite element method
- ☐ Numerical solutions to partial differential equations
- ☐ Fem discretization
- ☐ Rate of convergence of computational algorithms

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



27 July 2022 – Genesis of Finite Element Methods



**In association with School of Computer Science and Engineering (SCOPE)
& School of Agricultural Innovations and Advanced Learning (VAIAL)**

Cordially invites you to

Online FDP

Faculty Coordinators : Dr. Sasikala R, Dr. Priyadharshini B

Naturopathic Approaches and Women's Health

Resource Person :



Dr V Marutharaj

Medical Director
Shri Sivalaya Holistic Natural Healing
Hospital, Kangeyam.

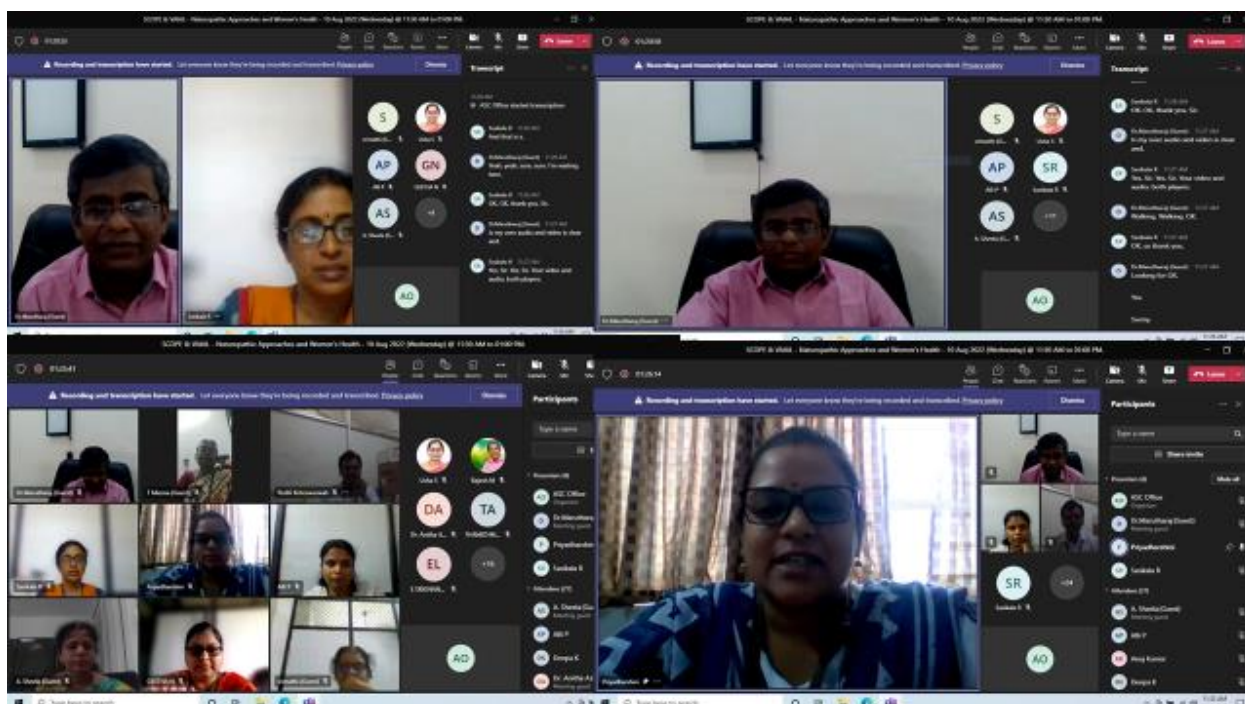


10 August 2022 (Wednesday)
11:30 AM to 01:00 PM

Discussion Points :

- Health Issues of working Women
- Managing health without Medicines
- Blend Naturopathy and allopathy treatment
- How to manage the life without stress.

Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



10 August 2022 – Naturopathic Approaches and Women's Health

Cordially invites you to

Online

Faculty Coordinator : Dr. Anuradha G

It's time to travel

Resource Person :



Mr Bharathi Rajendran
General Manager,
Steel strips Wheels Limited,
Chennai.

Discussion Points :

- ❖ During the leisure hours/days how to spend the time for travel and explore things
- ❖ Find new friends
- ❖ Trek
- ❖ Architecture and archeological perspective

19 - Oct - 2022
(Wednesday) @ 11:45 AM – 01:15 PM



Please register through your vtop login at <https://vtop.vit.ac.in/vtop/initialProcess>



19 October 2022 – It's time to travel

International Resource Persons

- National
- International
- Industrial
- Internal (VIT)



Annual Budget

Year -2022-2023

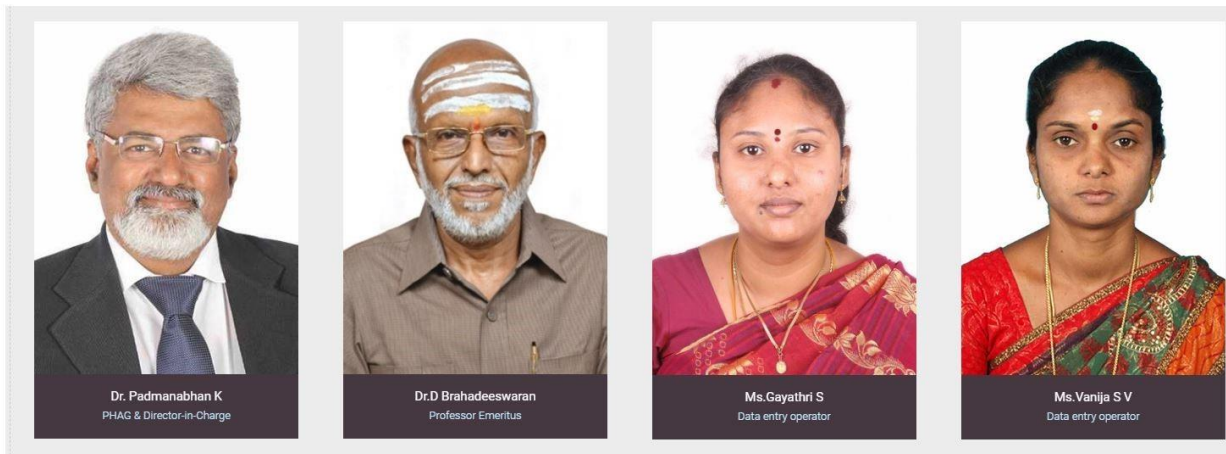
Number of Programs conducted : 154

Number of Participants : 7441

Budget in INR (Lakhs) : 1309223

ASC Team

ACADEMIC STAFF COLLEGE (ASC)



**Dr. Padmanabhan,
Director(i/C) – ASC**