



**Vel Tech**  
Rangarajan Dr. Sagunthala  
R&D Institute of Science and Technology  
(Deemed to be University Estd. as a UGC Act, 1956)



The Human Resource Development Centre, Vel Tech  
Centre for Academic Research, Vel Tech  
IEEE Student Branch, Vel Tech  
IEEE Professional Communication Society, Madras Chapter  
IEEE Computer Society, Madras Chapter  
**Organizes**

## Three Day Research Workshop on "Creating Strategies to Acquire Research Skills"

Date: 20<sup>th</sup> - 22<sup>nd</sup> Feb 2023 | Time: 9.30 am | Venue: Vel Murugan Auditorium, Vel Tech, Chennai - 62



### About Research Workshop

While India is considered a knowledge power, the research output is very low, according to worldwide surveys. It is a welcome note that now there is increasing awareness and interest to take up research.

Carrying out good research involves developing multiple skills at the same time. One has to develop a deep thinking habit, a questioning mind and also should develop lateral thinking. With a right choice of the problem, he/she has to develop the skill of getting the right information in the shortest time (literature survey). Also after solving the problem, one has to communicate his findings to experts working in that area and make them recognize the contribution. This is done through paper writing and conference presentations. Also, a researcher should be fully aware of ethical practices in research before he starts on this journey.

In these lectures, we will cover all these aspects and suggest ways in improving one's research skills. These lectures will be highly interactive and the participants are expected to interact and share their experiences so they will learn the right practices and become better researchers.

### Who Can Attend?

- Faculty Members of Engineering & Arts Colleges / Universities
- R&D and Industry Personnel
- Research Scholars, UG & PG Students

### Link for Registration

<https://forms.gle/AYtiBQ5HEK6NMzvc7>

Seats are limited and the registration will be on first come first served basis.

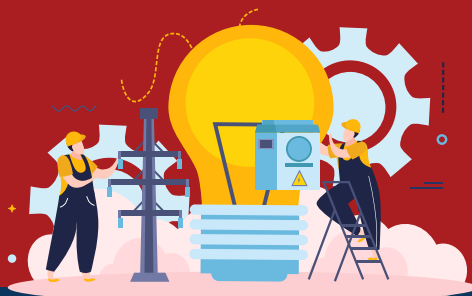
### Registration Fee:

- Free

### Important Dates

Last Date for Registration : 17.02.2023

Date of Intimation of Acceptance : 18.02.2023



## About Vel Tech

Vel Tech has been promoted by Col. Prof. Vel. Dr. R. Rangarajan and Dr. Sagunthala Rangarajan with the vision of creating model citizens who would contribute professionally and socially to the Nation. Vel Tech provides good opportunities to the students from all strata of the society through high quality and affordable education. Well-equipped infrastructure, qualified faculty and a range of co-curricular & extracurricular activities at Vel Tech ensure a holistic 360-degree development of students. In pursuit of their vision, Vel Tech Mahatma Gandhi Scholarship scheme has bestowed 9500 scholarships worth Rs.35 crore so far. Visit: <https://www.veltech.edu.in/>

## About Human Resource Development Centre

Vel Tech is known for its highest credentials in Teaching, Learning, doing Research according to recent trends, and Extension activities. Since the knowledge outburst has to turn into distinctive cutting across disciplines, the level of education is hastily changing the world over; new domains of knowledge are budding amazingly breaking barriers to subject-specific teaching and research, and it leads to creating challenges for educational regulators to sustain the prominence of education. The quality of education is primarily determined by the eminence of those who are entitled to impart it, their professional competence, teaching skills, and abilities to motivate the learners. Knowledge improvement towards recent trends to improve "Teacher Quality" the under-prepared faculty workforce is necessary to be updated periodically with skills, knowledge, and efficiency desirable to the necessities of the present day's tech-savvy society. HRDC is also organising faculty development and training programs endeavor to focus on spiraling the potential building in communication, knowledge delivery, teaching skills, critical and innovative thinking, competency development in research, etc., to achieve academic excellence. We are pleased about the most quality ensured delivery of education to continuous knowledge up-gradation.

Visit: <https://www.veltech.edu.in/veltech-dean-hrhc/> for more details.

## About Centre for Academic Research

The Centre for Academic Research of Vel Tech has been functioning since 2009. The Dean (Research Studies) oversees, co-ordinates and controls the research activities conducted according to ethics and etiquette. The research programmes are offered in the areas of Engineering, Technology, Science and Humanities, Management and Law leading to the award of Ph.D. through different schools of study.

Visit: <https://www.veltech.edu.in/academic-research> for more details.

## About IEEE Professional Communication Society (IEEE PCS)

The IEEE Professional Communication Society is a professional society of the IEEE formed in 1978. It helps engineers and technical writers to seek more education and research in their fields, in addition to development of standards in technical communication. It also includes technical, scientific, industrial, and other activities that contribute to the techniques and products used in this field.

Visit: <https://procomm.ieee.org/>

## About IEEE Computer Society (IEEE CS)

The IEEE Computer Society is the premier source for information, inspiration, and collaboration in Computer Science and Engineering. Connecting members worldwide, the Computer Society empowers the people who advance technology by delivering tools for individuals at all stages of their professional careers.

Visit: <https://www.computer.org/> for more details.

## Chief Patrons

### Col Prof. Dr Vel R. Rangarajan

Founder President & Chancellor, Vel Tech.

### Dr. Mrs. Sagunthala Rangarajan

Foundress President, Vel Tech.

### Mrs. Rangarajan Mahalakshmi Kishore

Chairperson & Managing Trustee, Vel Tech.

## Patron

### Prof. S. Salivahanan

Vice Chancellor, Vel Tech.

## Co-Patron

### Prof. Dr. E. Kannan

Registrar, Vel Tech.

## Chairs

### Prof. Dr. E. Kannan

Chair, IEEE PCS, Madras Chapter & Registrar, Vel Tech.

### Prof. Dr. P. Sakthivel

Chair, IEEE CS, Madras Chapter &  
Vice Chair (Academics), IEEE Madras Section

### Mr. H. R. Mohan

Chair, Special Events & Imm. Past Chair,  
IEEE CS & IEEE PCS, Madras Chapter.

### Prof. Dr. A. Geetha Selvarani

Dean - HRDC (i/c)

### Prof. Dr. S. Koteeswaran

Dean (Research Studies), Vel Tech &  
IEEE Student Branch Counselor, Vel Tech.

## Organizing Secretaries

### Mr. Sridhar

Assistant Professor - Civil Engineering

### Mr. K. Cheran

Assistant Professor - Civil Engineering

### Mr. T. Nelson Ponnudurai

Assistant Professor - Civil Engineering &  
Coordinator - Centre for Academic Research, Vel Tech.

### Mr. S. Govindan

Assistant professor - Automobile Engineering &  
Coordinator – Centre for Academic Research, Vel Tech.

## Contact

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## Resource Persons



**Dr. Palaniappan Ramu**  
Associate Professor,  
Department of Engineering Design,  
Indian Institute of Technology Madras,  
Chennai, India



**Prof. N. Sundararajan (Retd.)**  
School of Electrical & Electronic Engineering,  
Nanyang Technological University, Singapore &  
Former ISRO Scientist. Worked under  
Dr. A. P. J. Abdul Kalam on the first SLV 3  
Project Handling Mission and Launch  
Vehicle Design.



**Dr. M. D. Selvaraj**  
Professor & Head, Department of ECE &  
Former Dean (Sponsored Research,  
Industrial Consultancy and  
Continuing Education).  
IITDM Kancheepuram



**Mr. H. R. Mohan**  
Chair – Events & Imm. Past Chair,  
IEEE CS & PCS Madras Chapter,  
Editor - IEEE CS R10 Newsletter,  
Former AVP (Systems) - The Hindu,  
Chennai

## Programme Schedule

Day & Date	Forenoon (Time: 10.00 am to 12.45 pm)	Afternoon (Time: 1.45 pm to 04.30 pm)
Day 1 20.02.2023	Inaugural Function (9.30 am)	
	<p><b>Introduction and Motivation Talk on Research Skills &amp; Generic Perspectives on Research</b></p> <p>-----</p> <p><b>Dr. Palaniappan Ramu</b> Associate Professor, Department of Engineering Design, Indian Institute of Technology Madras, Chennai, India</p>	<p><b>Research Preparation and Planning</b></p> <p>-----</p> <p><b>Prof. N. Sundararajan (Retd.)</b> School of Electrical &amp; Electronic Engineering, Nanyang Technological University, Singapore &amp; Former ISRO Scientist. Worked under Dr. A. P. J. Abdul Kalam on the first SLV 3 Project Handling Mission and Launch Vehicle Design.</p>
Day 2 21.02.2023	<p><b>How to do an effective Literature Review? &amp; How to write an Effective Research Paper / Thesis / make an Oral Presentation?</b></p> <p>-----</p> <p><b>Prof. N. Sundararajan (Retd.)</b> School of Electrical &amp; Electronic Engineering, Nanyang Technological University, Singapore &amp; Former ISRO Scientist. Worked under Dr. A. P. J. Abdul Kalam on the first SLV 3 Project Handling Mission and Launch Vehicle Design.</p>	<p><b>How to handle Paper Reviews Effectively? &amp; Research Ethics</b></p> <p>-----</p> <p><b>Prof. N. Sundararajan (Retd.)</b> School of Electrical &amp; Electronic Engineering, Nanyang Technological University, Singapore &amp; Former ISRO Scientist. Worked under Dr. A. P. J. Abdul Kalam on the first SLV 3 Project Handling Mission and Launch Vehicle Design.</p>
Day 3 22.02.2023	<p><b>Opportunities in the Sponsored Research</b></p> <p>-----</p> <p><b>Dr. M. D. Selvaraj</b> Professor &amp; Head, Department of ECE &amp; Former Dean (Sponsored Research, Industrial Consultancy and Continuing Education), IITDM Kancheepuram</p>	<p><b>Publishing in IEEE journals &amp; conferences - Author Guidance &amp; Mini ICT Quiz on Research (with spot cash prizes)</b></p> <p>-----</p> <p><b>Mr. H. R. Mohan</b> Chair – Events &amp; Imm. Past Chair, IEEE CS &amp; PCS Madras Chapter, Editor - IEEE CS R10 Newsletter, Former AVP (Systems) - The Hindu, Chennai</p>
		<b>Valedictory Function (4.00 pm)</b>