Six Days FDP on

Computational Intelligence: Methods, Tools, and Emerging Technologies

organized by

School Of Computing

Department of Computer Science and Engineering

in

Association with IEEE

🏠 **2nd – 9th March 2026** 🏠

ABOUT THE FDP

The School of Computing, Department of Computer Science and Engineering, is organizing a Six-Day FDP on "Computational Intelligence: Methods, Tools, and Emerging Technologies" from 02.03.2026 to 09.03.2026 in association with IEEE.

The programme provides foundational and hands-on training in neural networks, fuzzy systems, genetic algorithms, deep learning, optimization techniques, and emerging areas like explainable AI and edge intelligence, with real-world applications and expert sessions from academia and industry.

FACULTY COORDINATORS

Dr. S.Suchitra
TTS3900
Professor

Dr. Rajeswari Rajesh Immanuel,
TTS3934
Assistant Professor

OUTCOME OF THE EVENT

- **SDG 4:** Builds CI knowledge and hands-on skills.
- **SDG 9:** Encourages innovation with modern tools.
- **SDG 11:** Applies CI in smart, sustainable domains.
- **SDG 13:** Supports eco-friendly intelligent solutions.
- **PO 1:** Applies CI to solve complex problems.
- **PO 5:** Uses modern tools for intelligent systems.
- **PO 11:** Promotes lifelong learning and adaptability.

REGISTRATION

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Registration fess

- **IEEE member: 300**
- **Non-IEEE member: 500**

TOPICS TO BE COVERED

- **Hands-on Foundations**
- **Hands-on Computational Intelligence Algorithms**
- **Tools and Optimization Techniques**
- **Emerging Technologies in Computational Intelligence**
- **Application-Oriented Hands-on Sessions**
- **Integration, Evaluation, and Research Orientation (Hands-on)**

RESOURCE PERSONS

DR. VENKATESAN M

Associate Professor & HoD, Department of Computer Science and Engineering, National Institute of Technology Puducherry

DR. RASHMITA KHILAR

Professor, Department of Computer Science and Engineering, Saveetha School of Engineering, Chennai.

MRS. RAJI.N

Manager for Learning and Development, Movate Technologies, Chennai.

With the Blessings of

Col. Prof. Vel Dr. R. Rangarajan

Founder President & Chancellor

Dr. Sagunthala Rangarajan

Foundress President

Prof. Dr. Rajat Gupta

Vice Chancellor

Convenors

Prof. Dr. SP. Chokkalingam

Dean – SoC

Prof. Dr. V. Dhilipkumar

Associate Dean – SoC

Prof. Dr. R. Parthasarathy

Assistant Dean – SoC

HoD

Prof. Dr. M. Kavitha

Head – CSE

Dr .T. Kujani

Asso.Prof & Asst.Head – CSE

Morning Session

Day & Date	Topic
Day 1 – 02.03.2026	ANN & CI Workflow Setup
Day 2 – 03.03.2026	CNN & RNN Models
Day 3 – 04.03.2026	CI Frameworks & Swarm Optimization
Day 4 – 05.03.2026	Explainable AI & Distributed Learning
Day 5 – 06.03.2026	CI in Healthcare
Day 6 – 09.03.2026	Integrated CI Model Development

Afternoon Session

Day & Date	Topic
Day 1 – 02.03.2026	Fuzzy Systems & Genetic Algorithms
Day 2 – 03.03.2026	Neuro-Fuzzy & Hyperparameter Tuning
Day 3 – 04.03.2026	Model Evaluation & Benchmarking
Day 4 – 05.03.2026	Edge AI & Deployment Concepts
Day 5 – 06.03.2026	Cybersecurity & Smart Agriculture
Day 6 – 09.03.2026	Results Analysis & Research Directions

ABOUT VEL TECH

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, was founded by Col. Prof. Vel Dr. R. Rangarajan and Dr. Sagunthala Rangarajan with the vision of education for all. The institute offers a range of UG, PG, and Ph.D. programs and holds deemed-to-be-university status for its academic excellence and innovative practices.

Recognized with multiple awards, Vel Tech stands as a Centre of Excellence in engineering and multidisciplinary education.

Key initiatives and practices include:

- Mahatma Gandhi Scholarship Scheme – Over 9500 students supported with ₹35+ Cr.
- Industry-aligned curriculum and hands-on learning.
- Cutting-edge research and interdisciplinary approach.
- Global alliances with 390+ institutions across 30 countries.
- 120 MoUs for international academic and research exchanges.
- Skill development and innovation platforms.
- Lectures and training by global experts.

Vel Tech is committed to transforming students into empowered individuals through education, values, and global exposure.