

# FACULTY DEVELOPMENT PROGRAMME 2023

## REGISTRATION FORM

1. Name :
2. Qualification :
3. Institution :
4. Address for Communication :
5. Phone No :  
Mobile :
- E-mail :
6. Payment Details :  
Bank :  
DD Ref. No :

### DECLARATION BY THE CANDIDATE

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program. If selected, I shall attend the course for the entire duration.

Signature of the Participant

Place :

Date : Signature of Principal (or) HoD with Seal



### Who all can attend

- Faculties from technical institutions.
- Research scholars / PG & UG students.
- Scientists/Professionals from R&D institutions/industries.

### Organizing Committee

**Chief Patron**  
**Mr. C. Valliappa,**  
Chairman, Sona  
Group of Institutions,  
Salem

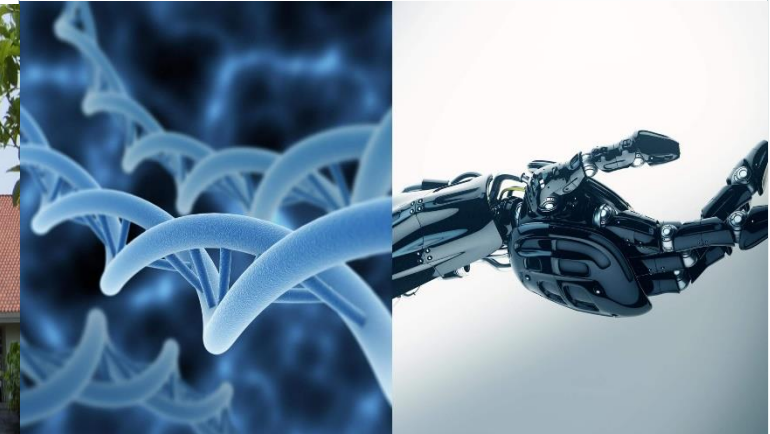
**Mr. Chocko Valliappa,**  
Vice-Chairman, Sona  
Group of Institutions,  
Salem

**Mr Thyagu Valliappa,**  
Vice-Chairman, Sona  
Group of Institutions,  
Salem

**Patron**  
**Dr.S.R.R. Senthil Kumar,**  
Principal, Sona College of  
technology, Salem.

### FDP Coordinators

- **The Convenor**  
**Dr. S. Prabakar,**  
**Professor & HoD,**  
**Department of Biomedical Engineering**
- **Ms. M.Brindha,**  
**Assistant Professor,**  
**Department of Biomedical Engineering**



**3 DAY**

**FACULTY DEVELOPMENT PROGRAMME  
ON  
HONORS AND MINOR DEGREE VERTICALS**

**15<sup>th</sup> - 17<sup>th</sup> JUNE 2023**

**ORGANIZED BY**

**DEPARTMENT OF  
BIOMEDICAL ENGINEERING**

**SONA COLLEGE OF TECHNOLOGY**

(an Autonomous Institution)

NAAC Accredited 'A' Grade, 2(f) & 12(B) Status by UGC, ISO 9001:2015 Certified,

NBA Accredited, FST Funded (DST) SIRO (DSIR)

**SONA COLLEGE OF  
TECHNOLOGY**  
*Learning is a Celebration!*

## About The Institution

Established in 1920s, the Sona Group has in its fold Sona College of Technology, Thiagarajar Polytechnic College, Sona College of Arts and Science, Vee Technologies, Sona Valliappa Textile mills, Sona Medical College of Naturopathy and Yoga and Sona Valliappa Public School. With nearly 100 years of experience, Sona offers quality services to the public through its educational and industrial sectors.

Sona College of Technology, one of the top-ranking engineering colleges in India, has achieved global identity through its involvement in research in recent technology and successful completion of projects and products. Situated in Salem, Tamilnadu, the southern part of India, Sona is the best destination for engineering aspirants. The college offers Bachelor of Engineering, Master of Engineering and Doctoral Degree (Ph.D) in all major disciplines. Sona, which is an ISO Certified Institution, is known for its rich tradition and high values bestowed upon it by its Founder Chairman, Thiru. M.S. Chockalingam. The "AICTE – CII Award for Best Industry – Linked Technical Institute in India" for six times and an acclaimed 'A' grade by 'NAAC' stand testimony to the commitment of the college to impart quality education. Sona is a proud recipient of "Edupreneurs Award" from MHRD, New Delhi, for Emerging Global Destination for Education. It is yet another milestone in the success story of the institute. All eligible Undergraduate and Post Graduate programmes are accredited by NBA.

Sona College of Technology is equipped with world class infrastructure and highly qualified and experienced faculty members. The college adopts the most modern teaching learning methodology. With Lecture Capture System, Blackboard and other advanced e-learning tools, Sona has established itself as a pioneer in progressive pedagogy. With over 36+ R&D Centres, the college nurtures research culture in all evolving areas of science and technology.

In short, Sona, stands tall as one of the best institutions for world class professional education.

## About The Department

The department of Biomedical Engineering was established in the year 2019. The department constitutes skilled faculty professionals with high academic records. The various lab facilities like Biochemistry & Human Physiology laboratory, Pathology and Microbiology laboratory, Biomedical Instrumentation laboratory, Digital Signal Processing laboratory, Medical Image Processing, Diagnostic and Therapeutic Equipment laboratory were constructed with the state of art equipment and best infrastructure facilities which influences the learning abilities of the students. The industry powered centres such as Centre for Medical Coding and Centre for Technology in Indian Medicine also established. The department has regular interactions with leading hospitals and renowned Medical Equipment industries Training, Internship, Projects, and Research.

## About The Program

The objective of this FDP on "Honors and Minor Verticals" is to provide an excellent opportunity for young faculty members to interact with academician experts, to enrich their knowledge in the subjects and to familiarize them with effective teaching learning practices. It covers an overview of the most advanced technologies in Biomedical Engineering and their applications.

This program is intended to cover the most important subjects included in the verticals. The course topics include:

- ✓ Basic Life Support and First Aid with practical session
- ✓ Importance of Signal Processing and Machine Learning for Healthcare using simulation tools
- ✓ Devices used in heritage medicine with its advancements
- ✓ Quality Management and Quality control for Medical Devices
- ✓ Sports Biomechanics
- ✓ Advancements in Rehabilitation Engineering
- ✓ Robotics in medicine

## Resource Persons

Eminent doctors and professors from IIT-D and CSIR-Chandigarh will deliver the lecture and handle the practical sessions.

- ✓ Dr. Deepak Joshi, Associate Professor, IIT-Delhi.
- ✓ Dr. Ranjan Jha, Senior Scientist and Assistant Professor, CSIR-Chandigarh.
- ✓ Dr. Parthasarathy Anand, HoD- Consultant Emergency Physician & Intensivist, Priyam Hospital.
- ✓ Dr. S. Sudhakar, Managing Director and Head, Healthline Physiotherapy clinic and Wellness Centre, Chennai

## Registration Fee

- Registration fee can be paid through Demand Draft drawn in favor of "UYIR MARUTHUVAM", Department of biomedical Engineering, Sona College of Technology, Salem" payable at Salem or cash.

REGISTERING MEMBERS	Amount in Rupees
Faculty from Academic Institutions, Students/Research scholar, Industry and R & D Organizations	500

Registration Link:

<https://forms.office.com/r/XAqTmtCUBq>

## Contact Details

### Ms. M. Brindha

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