



Hands-on Training Programme on “Bio-Signal Acquisition and Analysis”

Supported by

National Biopharma Mission

Biomedical Signal Analysis centers on the acquisition and processing of information bearing signals that emanate from living systems. These vital signals permit us to probe the state of the underlying biologic and physiologic structures and dynamics. Therefore, their interpretation has significant diagnostic value for clinicians and researchers. One of the important steps in production and launch of medical devices in market is the knowledge of the bio-signal, their acquisition, embedded system, design and fabrication of bio-amplifiers, interfacing and analysis of different bio-signals for diseases prediction and assistance to the physicians. This training programme shall provide in-depth knowledge and hands-on exposure to instrumentation, designing, and analysis of bio-signals relevant for manufacturers, entrepreneurs and equipment operators.

Highlights

- Programme shall be conducted by CSIR-Central Scientific Instruments Organisation (CSIR-CSIO), a National laboratory under CSIR, New Delhi headquartered in Chandigarh with niche expertise in Biomedical Instrumentation.
- Programme shall be a mix of lectures and practicals with emphasis on hands-on-practice and implementation conducted by CSIR-CSIO Scientists and domain experts from Industry.
- Coverage of technical sessions shall include – different Bio-signals, signal acquisition and its processing techniques, embedded system design, embedded hardware, bio-amplifier, MATLAB, signal acquisition and processing.
- Sponsorship from National biopharma Mission includes free participation, training material, and accommodation for out-station participants.

Who Can Attend:

Personnel from Industry, Startups, Research Institutions, Academic Institutions, Government Bodies with relevant academic background and work experience in biomedical engineering, electronics, electronics & communication, instrumentation, mechatronics and instrumentation engineering.

Date: 29 November - 03 December 2021

VENUE:

CSIR-Central Scientific Instruments Organisation, Sector-30c, Chandigarh

Application opens: 11 October 2021
Application closes: 31 October 2021

For detailed programme, eligibility criteria and application form, please visit: www.nbmworkshops.com

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