



AICTE Training and Learning (ATAL) Academy Sponsored
Online Faculty Development Programme
on
"Signal Processing for Cognitive Neuroscience Applications"
17 - 21 January 2022
Program Schedule



| Dates | 09:30 - 11:00 AM | 11:30 to 1:00 PM | 02:00 - 4:00 PM |
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| 17.01.2022 (Monday) | Inaugural Session 10:00 to 11:00 AM | Session 1 Long-term stability of behaviourally relevant neural dynamics Session Coordinator Dr. Prabir Kumar Saha Speaker Dr. Ashesh K. Dhawale | Session 2 Signal Processing for Biomedical Application Session Coordinator Dr. B. Pushpa Devi Speaker Dr. Ksh Milan Singh |
| 18.01.2022 (Tuesday) | Session 3 Time/Frequency Analysis Session Coordinator Dr. Abhishek Sarkhel Speaker Dr. Sanjeev Kubakaddi | Session 4 Filtering Concepts Session Coordinator Dr. Prabir Kumar Saha Speaker Dr. Sanjeev Kubakaddi | Session 5 Lab on EEG Data Acquisition Session Coordinator Dr. B. Pushpa Devi Speaker Dr. Sanjeev Kubakaddi |
| 19.01.2022 (Wednesday) | Session 6 Brain Computer Interface Session Coordinator Dr. Abhishek Sarkhel Speaker Dr. Sanjeev Kubakaddi | Session 7 Human values and Ethics Session Coordinator Dr. Ch. V. Rama Rao Speaker Dr. Balajied Nongrum | Session 8 Lab on Python Programming Session Coordinator Dr. B. Pushpa Devi Speaker Mr. Gudmalwar A Prabhakar |
| 20.01.2022 (Thursday) | Session 9 Infra-slow brain dynamics as a marker of cognitive function and decline Session Coordinator Dr. Abhishek Sarkhel Speaker Dr. Sridharan Devarajan | Session 10 Gamma rhythm as a tool to investigate brain function in health and disease Session Coordinator Dr. Prabir Kumar Saha Speaker Dr. Supratim Ray | Session 11 Understanding multimodal touch perception in humans Session Coordinator Dr. B. Pushpa Devi Speaker Dr. Leslee Lazar |

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| <p>21.01.2022 (Friday)</p> | <p>Session 12 Machine Learning Techniques</p> <p>Session Coordinator Dr. Abhishek Sarkhel</p> <p>Speaker Dr. Satyendra Singh Yadav</p> | <p>Session 13 Introduction to Cognitive Neuroscience</p> <p>Session Coordinator Dr. Prabir Kumar Saha</p> <p>Speaker Dr. Mahesh Jayachandra</p> | <p>Session 14 Speech Emotion Recognition</p> <p>Session Coordinator Dr. Ch. V. Rama Rao</p> <p>Speaker Mr. Gudmalwar A prabhakar</p> | <p>Test and Valedictory Session from 04:15 PM onwards</p> |
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