Theme of the Workshop
Bio-inspired computing optimization algorithms is an emerging approach that is based on the principles and inspiration of the biological evolution of nature to develop new and robust competing techniques. In the last years, bio-inspired optimization algorithms are recognized in machine learning to address the optimal solutions of complex problems in science and engineering. To tackle the problems of the traditional optimization algorithms, the recent trends tend to apply bio-inspired optimization algorithms which represent a promising approach for solving complex optimization problems.

The vision of the workshop is as follows.
• To give an insight into the bio-inspired algorithms.
• To give hands-on sessions on various algorithms using MATLAB.
• To give practical research applications of the bio-inspired algorithms.
• To give possible variants and future research directions in bio-inspired algorithms.

We are planning to cover the following topics through the workshop.
• Introduction to bio-inspired algorithms
• Single and multi-objective optimization problems
• Criteria and objective functions.
• Hands-on sessions on different algorithms using MATLAB.
• Research advances in optimization techniques using bio-inspired algorithms.
• Practical research applications
• Future research directions.
Registration Fees (Inclusive of GST as applicable)

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount in Rs.</th>
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<tbody>
<tr>
<td>Non – IEEE Members</td>
<td>500</td>
</tr>
<tr>
<td>IEEE Student Members</td>
<td>450</td>
</tr>
<tr>
<td>Non – IEEE NITT Participants</td>
<td>300</td>
</tr>
<tr>
<td>IEEE NITT Participants</td>
<td>250</td>
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</tbody>
</table>

✓ The maximum number of participants will be limited to 100. Hence participants are advised to register early.
✓ Presentation material will be shared through G drive for limited period for downloading by participants.

Registration & Payment Process
- Everyone willing to participate in the workshop must register by filling the Google Form (with all details including payment details) on or before 03.01.2022, 04:00 PM (IST).
- Registered participants will be intimated through the mail.

Request for refund of registration fee will not be entertained.

For Event Related Queries, Contact
- Kannadasan, K.
  Chairman, IEEE CS Chapter & IEEE SB, NIT Tiruchirappalli.
  Email: kannadasankk@ieee.org
  Phone: 9597200112
- Amal V Purushothaman
  Treasurer, Research Scholars Forum, NIT Tiruchirappalli
  Email: amalv123@gmail.com
  Phone: 9495672848

Payment Guidelines
- Payment shall be made ONLY through SBI Collect (State Bank of India) or UPI ID.
- Cash / Demand Draft / Cheque / Pay Orders, etc. are NOT ACCEPTED.

Step-by-step procedure to make payment via SBI Collect:
- Step-1: Go to the link: https://www.onlinesbi.com/sbicollect/icollecthome.htm
- Step-2: Select the following from dropdown menu: State of Corporate / Institution: Tamil Nadu Type of Corporate / Institution: Educational Institutions
- Step-3: Select the following from dropdown menu: Educational Institutions Name: IEEESB NITT
- Step-4: Select the following from dropdown menu: Select Payment Category: Registration Fee
- Step-5: Provide all details of payment >> Then submit

Step-by-step procedure to make payment via UPI ID:
- Step-1: Goto any UPI payment App (BHIM, Gpay, PhonePe, etc.)
- Step-2: Click on New Payment.
- Step-3: Enter UPI ID (ieeesb@sbi) or scan the QR code given and verify that you can see the Merchant Name as 'DIRECTOR NIT TRICHY'.
- Step-4: Make the payment.

Online MATLAB Workshop on “Bio-inspired Optimization Algorithms”
04th - 08th January 2022
4:30 PM – 6:00 PM

Who can apply?
Students, Research Scholars, Employees, Faculty members, Anyone with keen interest to learn

COORDINATORS
Dr. B. Shameedha Begum,
Assistant Professor/CSE & IEEE CS Chapter Advisor
- Dr. M. P. Selvan,
  Associate Professor/EEE & IEEE SB Counsellor
- Mr. Kannadasan K,
  Chairman, IEEE CS Chapter & IEEE SB
- Mr. V Srinivasa Rao
  President Research Scholars Forum

National Institute of Technology, Tiruchirappalli.