

About IIIT

The Indian Institute of Information Technology Tiruchirappalli (IIIT) was established in the year 2013-14 as the Institute with National Importance under Public Private Partnership Mode by Ministry of Human Resource Development (MHRD), Govt. of India. The Stakeholders of IIIT are Central Govt. of India, State Govt. of Tamil Nadu, and Industry partners, viz., TCS, CTS, Infosys, Ramco Systems, ELCOT, and Navitas. The main objective of IIIT is to impart world class education in Engineering and Technology to conduct research in the relevant fields, and to further advance learning and dissemination of knowledge. The Institute has been conferred with autonomy in financial and administrative matters to achieve rapid development.

A major objective in establishing IIIT is to set up a model of education which can produce best-in-class human resources in IT and harnessing the multidimensional facets of IT in various domains. While the number of students produced would be small, the impact they create would be great. As of June 14, 2021, IIIT Tiruchirappalli has started operating from the permanent campus at Sethurappatti. Before that, IIIT Tiruchirappalli operated from temporary campus within the premises of Oxford Engineering College campus, Tiruchirappalli - 620009, Tamil Nadu from mid-July 2020. Before that IIIT Trichy was operating in the temporary campus within the premises of National Institute of Technology (NIT) Campus, Tiruchirappalli - 620015, Tamil Nadu, since March 2016.

Speakers

Eminent Speakers from academic institutions, industries and R&D organizations.

Who Can Attend

Faculties, Research Scholars and Students from AICTE / UGC approved institutions & CFTIs can attend

Registration Fees

INR RS. 750/-

A/c No. :1088000106101545

A/c Name : Indian Institute of Information Technology Tiruchirappalli

Bank Name : Punjab National Bank

Branch code : 108800, Sethurappatti

IFSC : PUNB0108800, MICR : 620024008

Registration

<https://forms.gle/ktGPZ6fHY9HMMr2i9>

The number of participants is limited to 20 and will be selected based on first come first serve basis

Certificates

The digital certificates shall be issued to the participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

Important Dates

Last date for receipt of Registration : 01. 12. 2023

Confirmation to the participants : 06. 12. 2023



Science and Engineering Research Board

Sponsored

National Workshop On

TRANSFER LEARNING FOR DEPLOYABLE AI: TECHNIQUES AND APPLICATIONS

11.12.2023 TO 15.12.2023



Department of Computer Science and Engineering
Indian Institute of Information Technology Tiruchirappalli
Tiruchirappalli- 620012.
www.iiitt.ac.in



ABOUT THE WORKSHOP

The workshop on "Transfer Learning for Deployable & Explainable AI: Techniques and Applications" aims to equip participants with the skills and knowledge necessary to build and deploy deployable and explainable AI models using transfer learning techniques. The workshop would cover topics such as domain adaptation, pre-training, fine-tuning, and model optimization, as well as interpretability and explainability techniques for building trustworthy AI systems. Led by experts in the field, the workshop would include hands-on activities where participants apply the techniques learned to real-world datasets, with the goal of enabling participants to develop and deploy more accurate, efficient, and trustworthy AI systems.

EXPECTED OUTCOMES

- Participants will gain a deep understanding of transfer learning techniques, including pre-training, fine-tuning, and domain adaptation, and how they can be used to build more accurate and efficient AI models for deployment
- Ability to Implement Transfer Learning on Real-World Datasets
- Increased Awareness of Best Practices and Challenges in Transfer Learning.
- Exposure to State-of-the-Art Transfer Learning Research

ORGANISING COMMITTEE

Patron

Dr. N V S N Sarma
Director
IIIT Tiruchirappalli

Coordinators

- Dr. R. Dhanalakshmi
Associate Professor & Head, Dept. of CSE, IIIT
- Dr. G. Devasena
Assistant Professor, Dept. of CSE, IIIT
- Dr. Alkha Mohan
Assistant Professor, Dept. of CSE, IIIT
- Dr. M. Ambika
Assistant Professor, Dept. of CSE, IIIT

CONTACT US

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COURSE MODULES

- Introduction to Transfer Learning for Deployable AI
- Types of Transfer Learning: Domain Adaptation, Cross-Modal Transfer, Multi-Task Learning, etc.,
- Pre-Training Techniques for Transfer Learning: Supervised, Unsupervised, Semi-Supervised Learning
- Fine-Tuning and Adapting Pre-Trained Models for Deployable AI
- Strategies for Combining Different Models and Learning Techniques for Transfer Learning
- Overcoming Domain Shift and Dataset Bias in Transfer Learning for Deployable AI
- Transfer Learning for Computer Vision Applications: Object Detection, Image Classification, Semantic Segmentation, and More
- Transfer Learning for Natural Language Processing (NLP) Applications: Language Modelling, Named Entity Recognition, Sentiment Analysis, and More
- Applications of Transfer Learning in Real-World Scenarios: Healthcare, Finance, Transportation, and More
- Evaluating and Benchmarking Transfer Learning Approaches for Deployable AI