

## Overview



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### Introduction

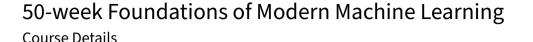


### **Outreach Programs**

#### On-campus and Off-campus programs

- ▶ 50-week Foundations of Modern Machine Learning 250 intake (off-campus)
- ▶ 36-week Foundations of Modern Machine Learning 180 intake (off-campus)
- ▶ 8-weeks paid Summer Research Internships 100 intake (on-campus)

# 50-week Foundations of Modern Machine Learning





- ► Chief Instructors Prof CV Jawahar, Prof Anoop M, Dr Ravi Kiran
- ▶ Instructors Wider pool of topic experts from IIIT Hyderabad
- ▶ Live Interactive Session of 1.0 1.5 hrs duration per week
- Distinguished Lectures occasional
- Distributed Personalised Tutorial Sessions 20 per week
- Weekly assignments, Monthly Projects and Quarterly Exams
- Enrollment 250 from all over India
- Started in Oct 2021, Expected to end by July 2022

# 36-week Foundations of Modern Machine Learning





- ► Chief Instructors Prof Anoop M, Dr Ravi Kiran
- ► Live Interactive Session of 1.0 1.5hrs duration per week
- Distinguished Lectures occasional
- Distributed Personalised Tutorial Sessions 20 per week
- Weekly Assignments, Monthly Projects and Quarterly Exams
- Enrollment 180 from all over India
- ► Started in Jan 2022, Expected to end by July 2022

# 10th Edition of Workshop on Excitement of Research

# 10th Edition of Workshop on Excitement of Research



#### **Program Details**

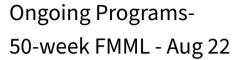
- ▶ **Date:** Thursday, 21 April 2022
- ► Invited Audience of over 650 online Zoom
- ▶ Inaugurated by Prof PJ Narayanan, Director IIIT Hyderabad
- Prof CV Jawahar : IIIT Hyderabad
- Anbumani Subramanian : Principal Research Engineer, Intel Inc
- Prof U Deva Priyakumar : IIIT Hyderabad
- Prof Syed Azeemuddin: IIIT Hyderabad

# **Ongoing Programs**

## **Ongoing Programs**



- ▶ 50-week FMML commencing from August 2022
- ► SRISHTI 22
- ► National Expo Data-Driven Solutions NEDDS-22
  - ► Stakeholders from NM-ICPS Govt, Academics, Industry, Start-ups, NGOs
- ► Springer LNCS International Conference on BDA2022 (Big Data Analytics)
  - Co-organiser





- Based on learnings from prior FMML programs
- Entry based on aptitude scores
- Academic inclination more homogeneous
- Target second year UG students only
- Administer course modulewise one teacher per module
- Hire permanent teachers/mentors underway
- DST confidence-building measure (large figures)

## **Ongoing Programs**

## III HYDERABAD

#### **Program Details**

- Summer Internship Program at IIIT Hyderabad
- ▶ Period: 16 May to 30 Jun
- ▶ iHub funded Internship Program Rs 10,000 per student
- ▶ Preliminary Selection from 7600+ (2650) students all over India
- Admission Procedure Exam (online + offline)
- ▶ 126 students to work in thirteen Research Centres
- 23 members of faculty currently supervising interns
- ► Centralised training program (TNA) progressing simultaneously
- 90 students listed to work remotely (unpaid)
- ▶ Waiting List: Another 450 candidates, shared internally

## Ongoing Programs-SRISHTI 22



- ► Goals, Objectives
  - ▶ To imbibe a sense of academic and research inquiry to interns
- Set expectations of interns
  - Cognitive, General Skills, Personal
- ► Resources to interns
  - Infrastructure, Compute
- Success Metrics
  - 40 percent of supervisors will re-appear next year
  - 20 percent of interns would publish a paper in a year
  - ▶ 10 percent of interns contribution would lead to product/patent in a year
  - ▶ 80 percent interns would report high satisfaction

## Ongoing Programs-SRISHTI 22



- ▶ 11:30 am 2:30 pm Lectures/Tutorials/Special Sessions (all weekdays from 18 May to 24 June)
- ► Progress Monitoring on Wednesdays 18 May, 25 May, 01 June, 08 June, 15 June, 22 June





- C-DAC India agrees to be a partner
- Workshop on HPC on second day
- Exploring options with Intel India



### Fresh Plans

#### HURDATIZ III HYDERABA

#### **Outreach Activities**

- Scale Online Courses Public Universities
- Explore Long-term Online Internships about to commence
- Approach NIELIT for exploring joint online program
- ▶ Joint Workshop bda2022.org Dec 19-22, 2022 at Hyderabad