



IIT Roorkee and TimesPro

IIT Roorkee Postgraduate Certificate Program in Data Science and Machine Learning - Batch 08

Orientation session – 3rd February 2024





AGENDA

1. Welcome Address - Prof. Alok Bhardwaj - Course Coordinator, IIT Roorkee
2. Faculty Introductions - Prof. Alok Bhardwaj
3. Program overview - Prof. Alok Bhardwaj
4. Curriculum
 1. Schedule
 2. Pedagogy/Delivery Model
 3. Program Evaluation Framework
5. LMS Demo
6. Support process
 1. IT
 2. Academic
 3. Q&A



Program Co-Ordinator



Assistant Professor Alok Bhardwaj - Course Coordinator
Department of Civil Engineering - IIT Roorkee
Joint Faculty at Mehta Family School of Data Science and Artificial Intelligence



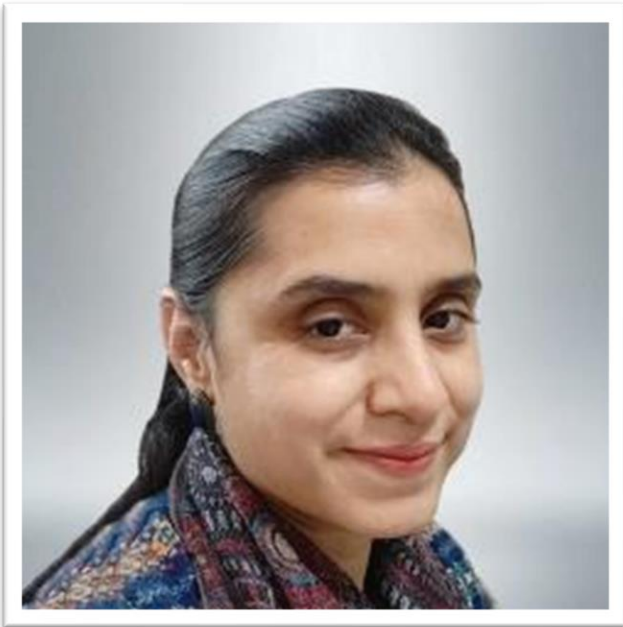
CEC Co-Ordinator



Professor Kaushik Ghosh - Coordinator CEC
Department of Chemistry
IIT Roorkee



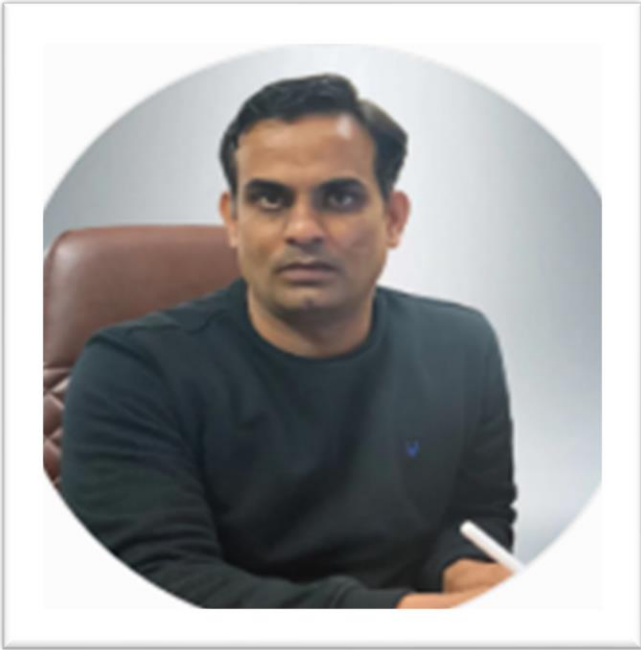
Faculty



Professor Millie Pant
Department of Applied Mathematics and Scientific Computing - IIT Roorkee
Joint Faculty at Mehta Family School of Data Science and Artificial Intelligence



Faculty



Professor Sanjeev Kumar Malik
Department of Mathematics - IIT Roorkee
Joint Faculty at Mehta Family School of Data Science and Artificial Intelligence



Faculty



Assistant Professor Sumit Kumar Yadav
Department of Management Studies
IIT Roorkee



Curriculum

Module 1: Foundations of Data Science and Generative AI

Module 2: Python for Data Science

Module 3: Exploratory Data Analysis & Data Visualization

Module 4: Machine Learning

Module 5: Advanced Machine Learning

Module 6: Text Analytics

Module 7: Hackathon

Module 8: Neural Networks & Deep Learning

Module 9: Specialisation

Specialisation 1- Deep Learning with Image and Speech, Specialisation 2- Data Engineering

Module 10: Capstone Project - End-to-end project to apply the concepts taught in the program.

5-day campus immersion at IIT Roorkee Campus



Program Evaluation Framework

1. The purpose of evaluation is to check your progress throughout the course
2. Evaluations have been incorporated at strategic intervals in the form of:

Assignment & Project - 60%

Capstone Project - 20%

Quiz - 10%

Attendance - 10%

Certificate of Completion

- Minimum 60% Quiz Score
- Minimum 75% Attendance
- Complete all modules with At least 1 Assignment completed



Sample Certificate



Certificate ID



INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
CONTINUING EDUCATION CENTRE



CERTIFICATE

This is to certify that _____ has successfully completed the
Post Graduate Certificate Programme in Data Science and Machine Learning organized by
Continuing Education Centre, Indian Institute of Technology Roorkee in association with TimesPro
during **DD-MM-YYYY to DD-MM-YYYY**.

Prof. Alok Bhardwaj
Course Coordinator
Assistant Professor,
Department of Civil Engineering

Prof. Kaushik Ghosh
Coordinator, CEC

Mr. Silaparasetty Mohankumar
Head, Technology Programs,
TimesPro



Live Virtual-Class Schedule



IIT Roorkee PGCP DSML - Batch 8						
Module	Module Name	Session Title	Date	Day	Time	Faculty
		Orientation Session	03-Feb-24	Saturday	9:00AM-11:00AM	
		Session Break	04-Feb-24	Sunday		
1	Foundations of Data Science (and Generative AI)	Session 1	10-Feb-24	Saturday	9:00AM-11:00AM	Prof Alok Bhardwaj
	Career Services Orientation		11-Feb-24	Sunday	9:00PM-10:00PM	Riya Shah & Navin Wadhvani
2	Python for Data Science	Session 1	17-Feb-24	Saturday	9:00AM-11:00AM	Prof. Millie Pant
		Session 2	18-Feb-24	Sunday	9:00AM-11:00AM	Prof. Millie Pant
		Session 3	24-Feb-24	Saturday	9:00AM-11:00AM	Prof. Millie Pant
		Session 4	25-Feb-24	Sunday	9:00AM-11:00AM	Prof. Millie Pant
		Session 5	02-Mar-24	Saturday	9:00AM-11:00AM	Prof. Millie Pant
		Session 6	03-Mar-24	Sunday	9:00AM-11:00AM	Prof. Millie Pant
		Session Break	09-Mar-24	Saturday		
	Career Session (Personal Branding -1)		10-Mar-24	Sunday	9:00PM-10:00PM	Riya Shah
3	Exploratory Data Analysis and Data Visualization	Session 1	16-Mar-24	Saturday	9:00AM-11:00AM	Prof Alok Bhardwaj
		Session 2	17-Mar-24	Sunday	9:00AM-11:00AM	Prof Alok Bhardwaj
		Session 3	23-Mar-24	Saturday	9:00AM-11:00AM	Prof Alok Bhardwaj
		Session Break/ Holika Dahan	24-Mar-24	Sunday		
		Session 4	30-Mar-24	Saturday	9:00AM-11:00AM	Prof Alok Bhardwaj
		Session 5	31-Mar-24	Sunday	9:00AM-11:00AM	Prof Alok Bhardwaj
		Session 6	06-Apr-24	Saturday	9:00AM-11:00AM	Prof Alok Bhardwaj
		Session 7	07-Apr-24	Sunday	9:00AM-11:00AM	Prof Alok Bhardwaj
		Session 8	13-Apr-24	Saturday	9:00AM-11:00AM	Prof Alok Bhardwaj
	Career Session (Personal Branding -2)		14-Apr-24	Sunday	9:00AM-10:00AM	Riya Shah
4	Machine Learning	Session 1	20-Apr-24	Saturday	9:00AM-11:00AM	Prof. Sanjeev Kumar Malik
		Session Break/Mahavir Jayanti	21-Apr-24	Sunday		
		Session 2	27-Apr-24	Saturday	9:00AM-11:00AM	Prof. Sanjeev Kumar Malik
		Session 3	28-Apr-24	Sunday	9:00AM-11:00AM	Prof. Sanjeev Kumar Malik
		Session 4	04-May-24	Saturday	9:00AM-11:00AM	Prof. Sanjeev Kumar Malik
		Session 5	05-May-24	Sunday	9:00AM-11:00AM	Prof. Sanjeev Kumar Malik
		Session 6	11-May-24	Saturday	9:00AM-11:00AM	Prof. Sanjeev Kumar Malik
	Career Session (Business Communication -1)		12-May-24	Sunday	9:00AM-10:00AM	Riya Shah
5	Advanced Machine Learning	Session 1	18-May-24	Saturday	9:00AM-11:00AM	Prof. Sanjeev Kumar Malik
		Session 2	19-May-24	Sunday	9:00AM-11:00AM	Prof. Sanjeev Kumar Malik
		Session 3	25-May-24	Saturday	9:00AM-11:00AM	Prof. Sanjeev Kumar Malik
		Session Break	26-May-24	Sunday		
		Session 4	01-Jun-24	Saturday	9:00AM-11:00AM	Prof. Sanjeev Kumar Malik
		Session 5	02-Jun-24	Sunday	9:00AM-11:00AM	Prof. Sanjeev Kumar Malik
	Career Session (Industry Expert Session)		08-Jun-24	Saturday	9:00AM-10:00AM	TimesPro



LMS (Learning Management System)

Dashboard - My courses - IIT Roorkee_Post Graduate Certi...

IIT Roorkee_Post Graduate Certificate Programme in Data Science and Machine Learning_08

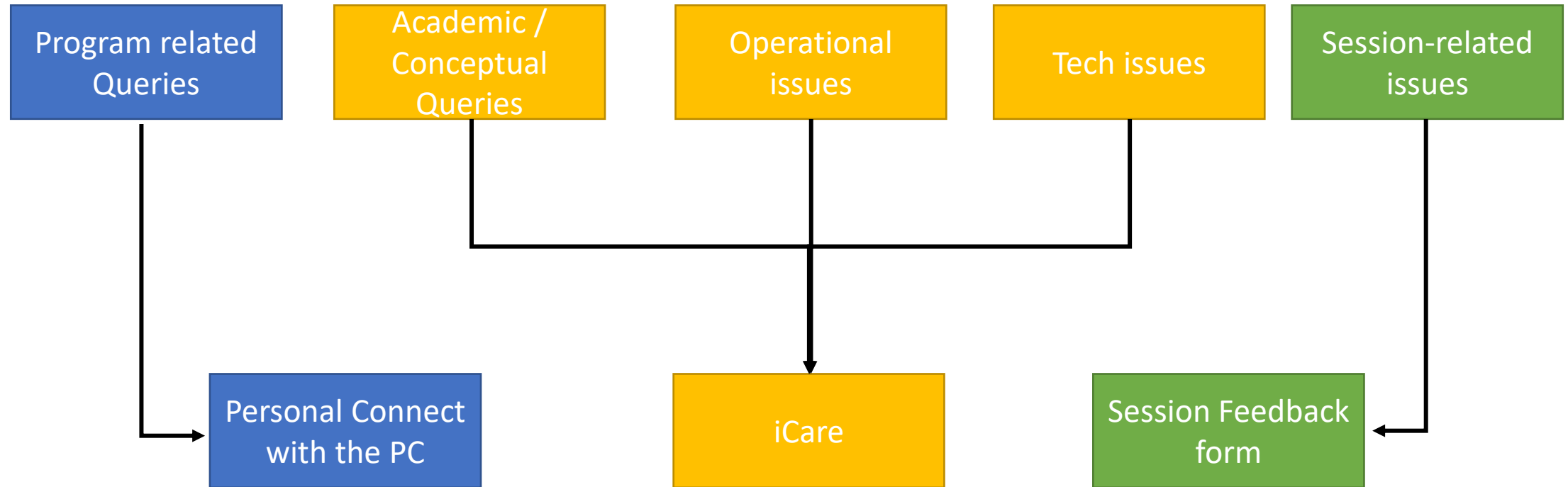
Overall progress %

Orientation & Non Pedagogical Activities	Pedagogical Activities [Session Links & Archives]	Reading Materials	Assignments/Quizzes
Refresher Course in Math and Statistics	Foundations of Data Science	Python for Data Science	Statistical Thinking for Data Science

Link to LMS : [TimesPro: Log in to the site](#)

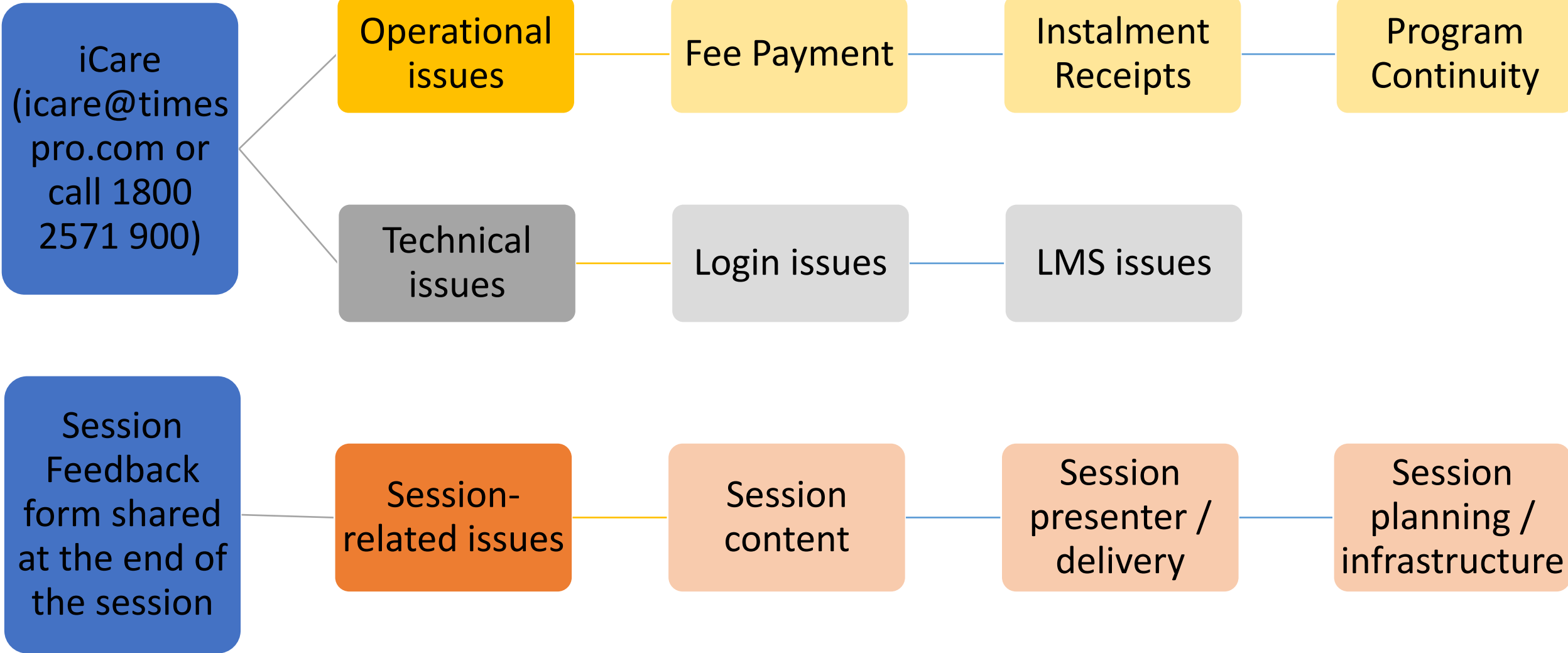


Queries





Issue Resolution *(only through specified channels)* **TIMESPRO**






Student Programme Helpdesk



TimesPro: Student Helpdesk

Tel - 1800-257-1900

Service	Support Level 1	Escalation Level 1	Escalation Level 2
	(Up to 15 min)	(After 30 min)	(After 24 Hour)
Technical	Technical Helpdesk	Kamalsri Thangavel	Samriti Mahajan
	icare@timespro.com	c-kamalsri.t@timesgroup.com	samriti.mahajan@timesgroup.com
	1800-257-1900	Telegram User ID : @Kamalsrii 	Samriti Mahajan - 8097428688



Academic Support



Kamalsri T
Academic Program Coordinator-TimesPro
Email : c-Kamalsri.t@timesgroup.com



Samriti Mahajan
Academic Program Coordinator-TimesPro
Email : samriti.mahajan@timesgroup.com



A platform primarily for Announcements and session updates



[Click here to join the Batch Telegram Channel](#)



Q & A