



KESHAV MEMORIAL INSTITUTE OF COMMERCE & SCIENCES

Affiliated to Osmania University, NAAC Accredited

Narayanaguda , Hyd

A Unit of Keshav Memorial Educational Society

Report on Swayam NPTEL Course

Python For Data Science

Session Details

Title of the session: Add On Course python for Data Science by Swayam NPTEL

Date: July - September 2025

Duration: 4 week

Activity Category: IIC Calendar/MIC Driven/Self Driven/Celebration

Theme:

Venue: online

Organised by: NPTEL

Budget:

Expert/Speaker Details:

Name: Prof. Raghunathan Rengaswam

Designation: Marti Mannariah Gurunath Chair

Organization: IIT Madras

Brief about Expert/Speaker: Prof. Raghunathan Rengaswamy is a Professor in the Department of Chemical Engineering at IIT Madras and holds the **Marti Mannariah Gurunath Chair**. He also serves as the **Dean of Global Engagement** and is a core member of the **Robert Bosch Centre for Data Science and AI (RBCDSAI)**. He earned his Ph.D. from Purdue University, USA, and previously taught at Texas Tech University and IIT Bombay. His research spans **fault detection, process control, fuel cells, systems engineering, and data science**. A recipient of the **INAE Young Engineer Award**, he is widely recognized for his contributions to engineering education and research.

Outcome/Report of the activity:150words

Key Highlights: Python for Data Science course offers a comprehensive introduction to Python programming and its applications in data science. Students confidently write Python programs and analyze data effectively which is beneficial to students who are willing to become data analysts and Business analysts which is a current trend in carrier so that students who completed this course will be market ready with minimum cost as it's a **MOOC by SWAYAM**, providing recognized certification from top Indian institutions at no cost.

Participant details:

Total no. of Student participation:15

Total no. of Staff (Teaching/Non-teaching) participation:1

Python for Data...
courses.nptel.ac.in

swayam

karthiksinghrajput984@gmail.com

NPTEL » Python for Data Science

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If already registered, click to check your payment status

Course outline

- About NPTEL
- How does an NPTEL online course work?
- Week 0
- Week 1
 - Introduction to Python for Data Science
 - Introduction to Python
 - Introduction to Spyder - Part 1
 - Introduction to Spyder - Part 2
 - Variables and Datatypes
 - Operators
 - Setup Guide
 - Week 1: Lecture slides
 - Week 1-FAQs

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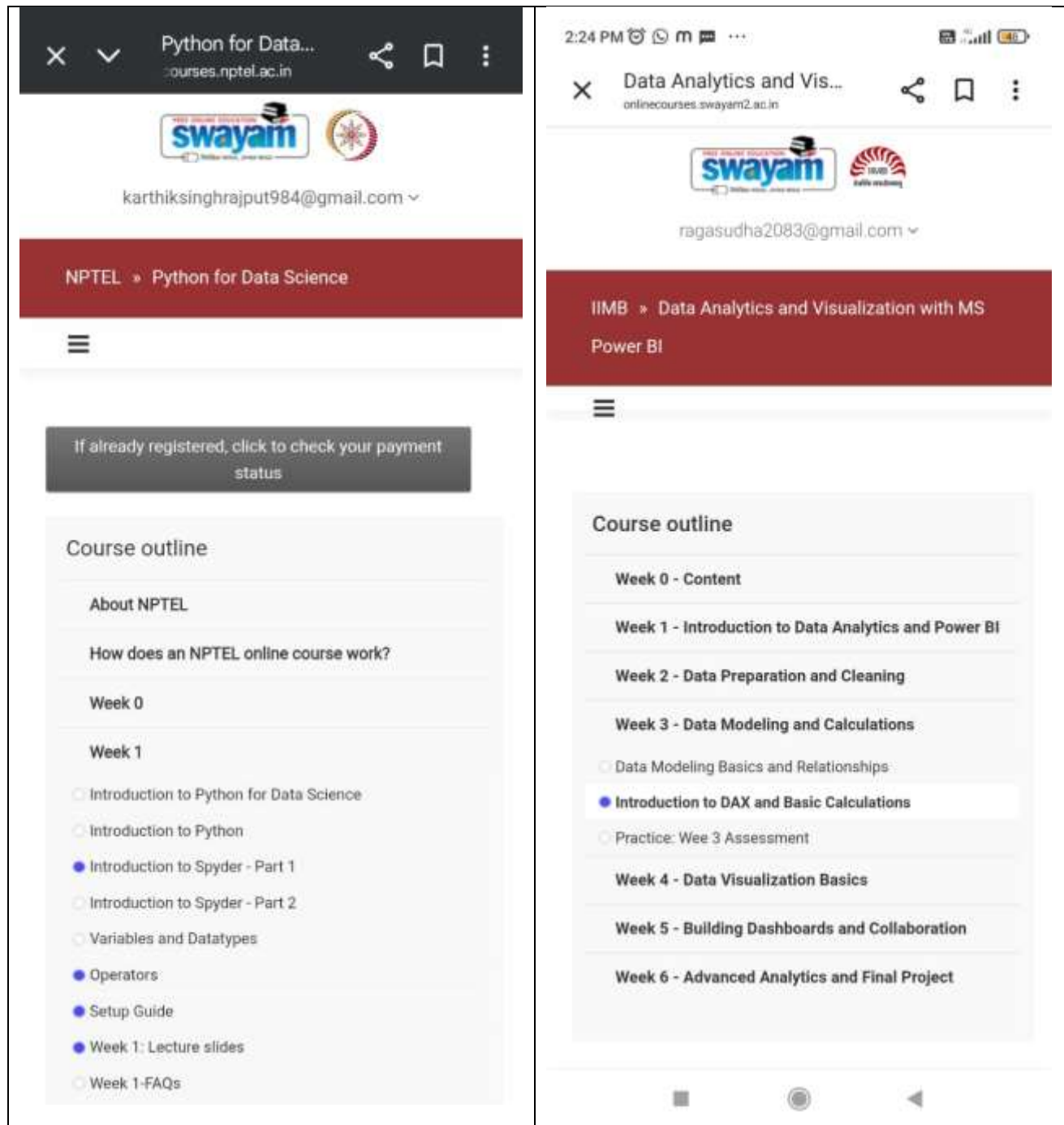
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 - Week 1-FAQs
 - Week 1 Feedback Form : Python for Data Science!!



- Attendance details /Participants List (photo)(Word format provided)
- Circular (Paste the Picture here & submit the hard copy to us) (Word format provided)
(Circular should include principal's sign and stamp)



The poster features a man in a yellow shirt sitting on a wooden floor with a laptop and a backpack. He is pointing upwards with both hands. The background is a bright blue sky. Text on the poster includes 'NPTEL' in the top right, 'JULY - DEC 2025 SEMESTER' in a yellow box at the top left, '925 COURSES ENROLLMENT' in large white and yellow letters, 'Don't Miss to Enroll Today' in a thought bubble, 'NOW OPEN' in a red megaphone icon, and 'Enroll Here: onlinecourses.nptel.ac.in/' at the bottom.

Date: 01 July 2025

It is hereby informed to all students that the **NPTEL (National Programme on Technology Enhanced Learning)** has announced **enrollment for 925 online courses** for the **July–December 2025 semester**.

Students are encouraged to make use of this great opportunity to enhance their knowledge and skills through quality online courses offered by premier institutions like IITs and IISc.

Interested students can enroll through the following link:
onlinecourses.nptel.ac.in

Don't miss to enroll today!

– Principal

- Feedback of participants & Resource person (Word format provided)

<p>As a mentor for the Python for Data Science course, I observed great enthusiasm among students in learning data analysis and programming skills. The course content was well-structured, and students actively participated in discussions and assignments. It effectively built their confidence in applying Python for real-world data problems.</p> <p>M Ragasudha, Mentor</p>	<p>The Python for Data Science course on SWAYAM was very informative and practical. The instructor explained each concept clearly with hands-on examples. I gained confidence in using Python libraries like NumPy and Pandas for data analysis. The assignments helped me apply what I learned effectively. Great learning experience overall!</p> <p>Harika Participant</p>
<p>This course gave me a strong foundation in Python programming and its applications in data science. The lectures were engaging, and the examples made difficult topics easy to understand. I especially liked the real-world case studies. It has motivated me to explore machine learning further using Python tools.</p> <p>Deepika, Participant</p>	<p>The course structure was excellent and well-paced. I learned how to analyze and visualize data using Python efficiently. Weekly quizzes kept me active and improved my understanding. The instructor's explanations were simple yet powerful. I would recommend this course to anyone interested in starting a data science journey.</p> <p>P. Kishan participant</p>