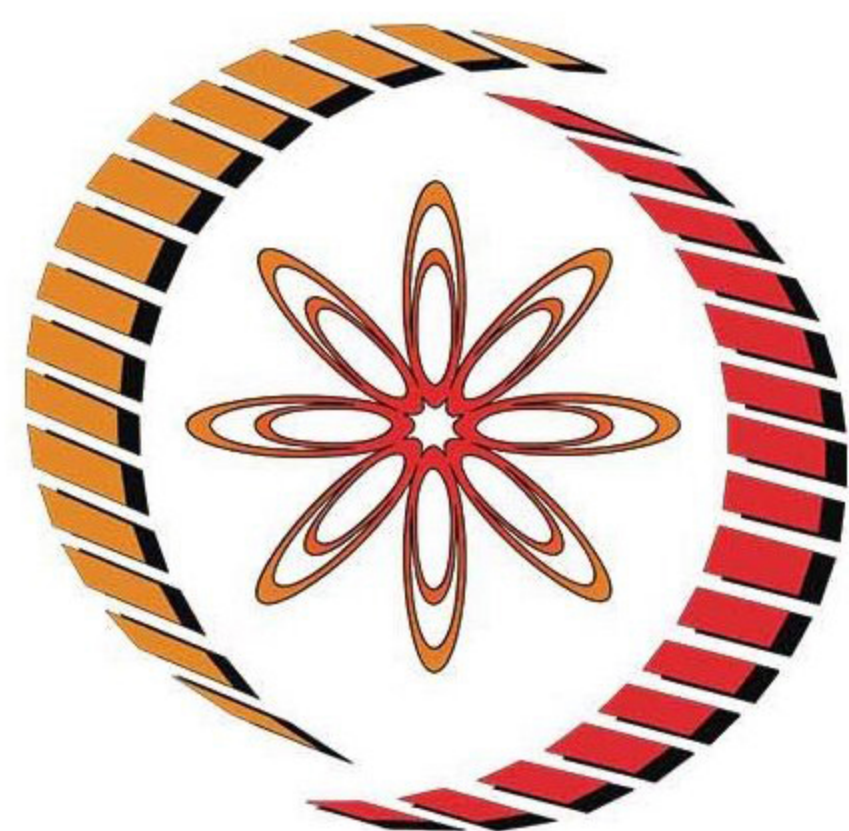




Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**ASHUTOSH KUMAR SINGH**  
for successfully completing the course

## Business Analytics & Text Mining Modeling Using Python



with a consolidated score of **86** %

|                    |          |                |       |
|--------------------|----------|----------------|-------|
| Online Assignments | 22.92/25 | Proctored Exam | 63/75 |
|--------------------|----------|----------------|-------|

Total number of candidates certified in this course: **1114**

**Prof. Kaushik Ghosh,**  
Professor (Chemistry)  
Coordinator CEC

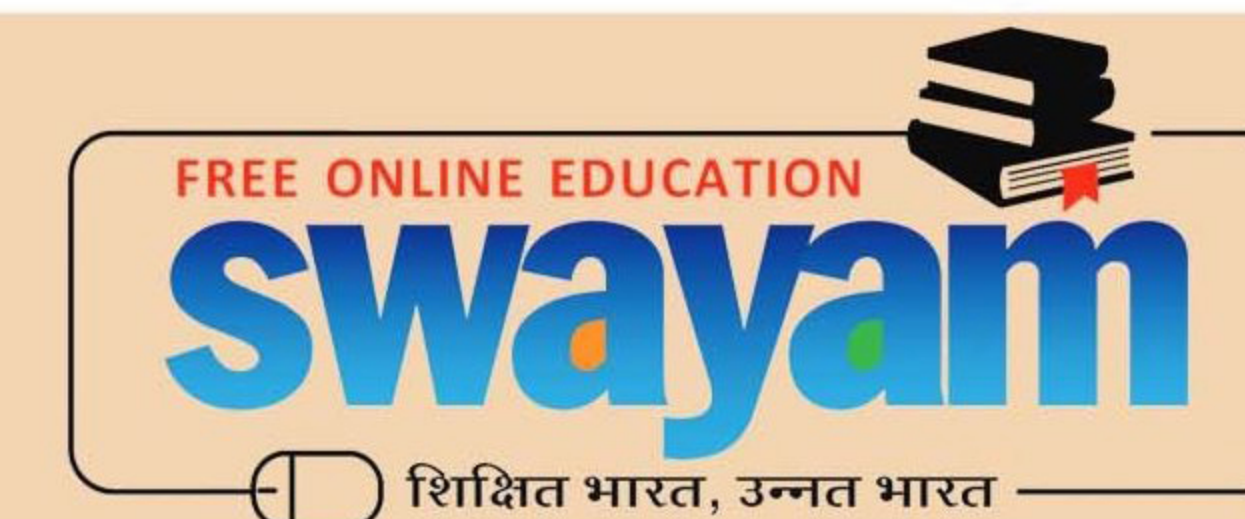
**Jul-Sep 2023**

**(8 week course)**

**Prof. Ranjana Pathania,**  
Professor (BSBE)  
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL23MG104S35870311

To verify the certificate



No. of credits recommended: 2 or 3