



Government College of Engineering & Ceramic Technology

(An Autonomous Institution under MAKAUT, NAAC accredited A Grade)



Certificate Course on

Python for AI, Data Science, Big Data and the Cloud

**Conducted By: Department of Computer Sc. & Engineering and
Department of Information Technology**

WELCOME

In the current course, we warmly welcome everyone who is eligible. Once the course has been successfully completed through proper evaluation, the institute will provide a certificate to each participant. Anybody interested in a career in Data Science or Machine Learning can benefit from this course by gaining knowledge of practical skills. This professional certificate course, which covers a wide range of topics, is intended for both beginners and working people. Data scientists who can analyse data and convey findings to support data-driven decisions are in high demand because the Data science field is one of the trendiest of the decade. The present course will provide the latest job-ready tools and skills, including open-source tools and libraries, Python, databases, SQL, Big Data: Hadoop, Spark, NoSQL and IoT, data visualization, data analysis, statistical analysis, predictive modeling, and Machine Learning, Deep Learning and NLP Algorithms. One of the standout features of this course is the use of practical examples and case studies.



OBJECTIVES

The objectives are to impart quality training that will help to upgrade technical skills and improve employability.

After completion of this course the students will

- 1) become familiar with the industries' current technologies.
- 2) get internships in the start-ups.
- 3) pursue a career in the field of data science or ML developers.
- 4) get the latest job-ready open-source tools, libraries and skills.

COURSE CONTENT

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| Part-I | : A crash course in Python |
| Part-II | : Basic Mathematics |
| Part-III | : Machine Learning |
| Part-IV | : Deep Learning |
| Part-V | : NLP |
| Part-VI | : Bigdata:Hadoop, Spark, NoSQL & IoT |

COURSE ELIGIBILITY

Minimum academic qualification: Completed **10+2 standard** in Science Stream

IMPORTANT DATES

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| • Application Forms will be available from | : 3 rd March, 2023 to 31 st March, 2023 |
| • Last date of application form submission | : 31 st March, 2023 |
| • Name of selected candidates will be announced on | : 5 th April, 2023 |
| • Registration and Submission of Course Fees of selected candidates | : 6 th April, 2023 to 20 th April, 2023 |

COURSE INFORMATION

Batch Size – **Maximum 20** Course Start Date: **28th April, 2023** Course Duration: **One Year**

Classes will be taken on Friday and Saturday (**Hybrid Mode**).

Weekly 7 classes (1 Class=1Hrs.) on **Friday** and **Saturday** – Friday: 1 Theory and 2 Practical and Saturday: 2 Theory and 2 Practical.

Classes will be continued for 48 Weeks (7 Hrs. per week)

Project work duration is **30 hours**. Course Fees = **Rs. 5000 per participant**

(Download the application form from college website www.gcect.ac.in and submit the same after filling it up to the contact person given herewith)

Contact: 9831520613/9123895194/9903516625