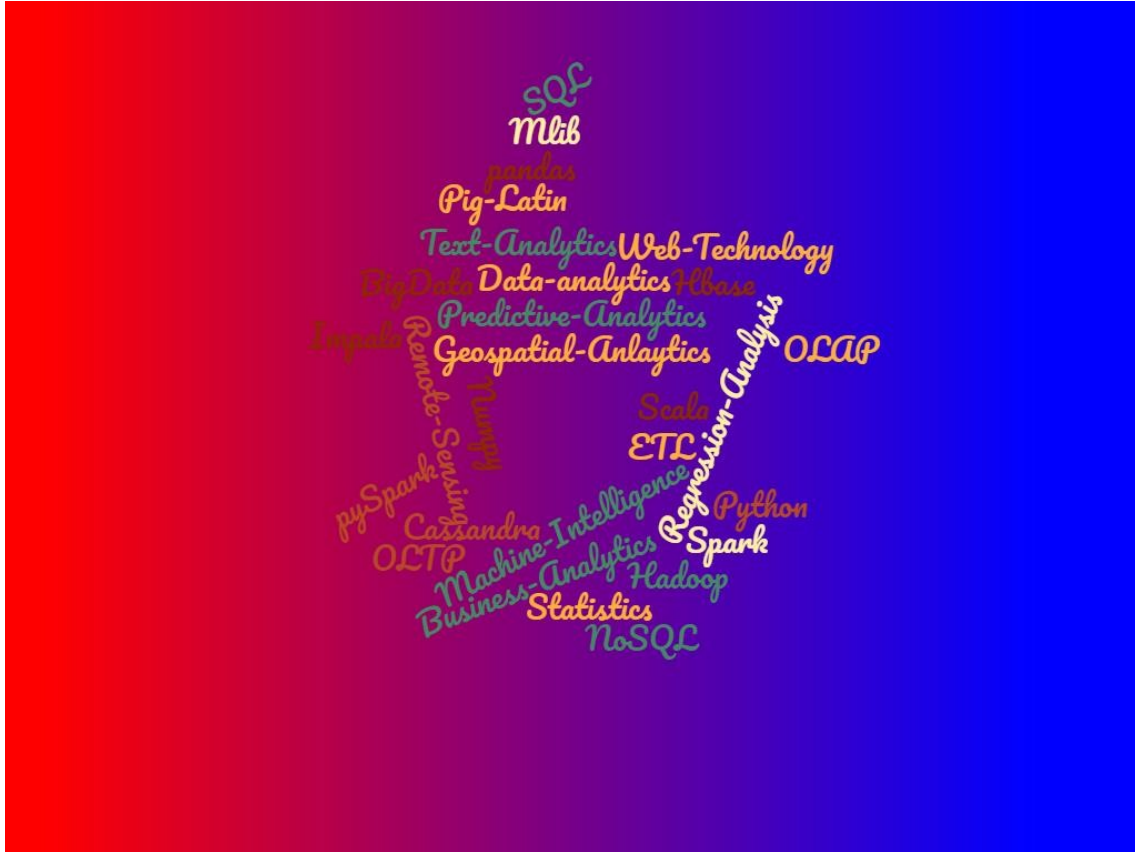# School of Digital Sciences, DUK

Master of Science in Computer Science

(a)   Data Analytics

Programme Focus

Master of Science in Computer Science with specialization in Data Analytics Programme offered by the School of Digital Science, Digital University of Kerala, aims at producing industry ready data scientists/analysts/IT professionals with strong computing & communication skills. The programme focuses on a broad grasp of foundations in Computer Science, deep understandingdata analytics, and machine intelligence, an innovative ability to solve new problems, and a capacity to learn continually and interact with trans-disciplinary groups. The technology enhanced e-learning methodologies with web-based

course management system and on-line learning system enriches the programme, allow to broaden their horizons.

The duration of full-time course is 2 years (4 semesters). The course is carefully designed to attain technical aspects that enable students to grow into competent Data Analytics professionals.

Subjects you learn in Data Analytics

- Introduction to Computer Science
- Introduction to Data Science
- Programming with Python
- Basic Statistics for data analytics
- Database Management System
- Predictive Analytics
- Data Structure and Algorithm
- Web Technologies
- Natural Language Processing & Information Retrieval
- Deep Learning
- Big Data Technologies
- Object Oriented Programming – Python

Electives

- Social Networks and Semantic Web
- Stochastic Modelling
- Time series analysis and Sem Modeling
- Spatial Data Analytics

- Cognitive Computing
- Information Retrieval
- Advanced Machine Learning
- Blockchain Technology

Top performing students may get chance to work with live analytics projects of DUK .

Eligibility

Any Science/Engineering graduate with Mathematics/Statistics as one of the core or complementary subjects with aggregate 60% marks or equivalent CGPA. Students who have completed BVoc which has been equated to BSc in any of the mentioned areas and meet the percentage criteria can also apply. For SC/ST/Divyaang and OBC (NCL) categories there will be relaxation in the minimum marks.

Students are selected through an All India Digital University Aptitude Test (DUAT) followed by counselling. GATE score holders with a valid score as on 1st April 2023 are exempted from taking the entrance examination

Application Process

Only online applications are accepted. You can find more information by visiting the www.duk.ac.in