

## M.Sc (Data Science)

### About the Program:

Data Science is an exciting field of study that deals with analysis, visualization, prediction and interpretation of large volumes of data by applying various advanced concepts, algorithms, tools & techniques along with artificial intelligence and machine learning. Inferences made by critical analysis of large amounts of data help organizations to formulate effective strategies and take appropriate business decisions. Data Science is a blend of various subjects from Mathematics, Statistics, AI & Cognitive sciences, and Computer Science used to process and discover hidden patterns from structured or unstructured data. Our M.Sc. (Data Science) program has been specifically designed with the proper mix of theory & applications, keeping in mind the needs of the Industry and Research Organizations.

**Duration:** 02 (two) Years, i.e., 04 (Four) Semesters.

### Curriculum

**Number of Seats:** 30 (Thirty)

### Eligibility Criteria:

1. Any Graduate with Mathematics or Statistics as one of the subjects or B.Sc. (Engg)/BE/B.Tech. in any discipline of Engineering.
2. Minimum 55% marks/equivalent or 2nd Class Honours in the qualifying UG degree.

### Fees:

**Course Fee:** Rs1.35 lakhs per annum

**Hostel Fee:** Rs 33000/- per annum

**Certification:** Upon successful completion of the course, students will be awarded M.Sc. (Data Science) degree from Biju Patnaik University of Technology, Odisha.

**Career Opportunities:** Data Science is highly sought after in every domain. There are vast opportunities in the retail, healthcare, hospitality, education, banking & finance, telecommunications, and other sectors including consulting and research. The potential and prospects for a Data Science Expert are virtually unlimited!

**Package Range:** The average salary at the entry level for Data Science Professionals in India is in the range of 5 - 10 lakhs per annum.

**Outcome:** Upon successful completion of this course, the students will gain expertise in various AI/Machine Learning (including Deep Learning) techniques,

buildings new models for predictions in several domains of real life applications, and programming such as Python, R, Hadoop, Spark, SQL, NoSQL etc for analyzing huge volumes of data.

**Job Prospects:** Professionals equipped with a Masters Degree in Data science can work in capacity of Data Scientist, BI Analyst, Data Analyst, Big Data Administrators, Data Analytics Architects, Machine Learning Engineers, Data Mining Specialists etc.

**Companies:** All leading organizations in India and abroad are hiring Data Science professionals in large numbers. Few of them are Amazon, Apple, Accenture, Facebook, Google, Happay, Infosys, Intel, Microsoft, Paypal, Oracle, Sigmoid, TCS, Walmart Labs, Quantiphi Inc., etc.

**Why Silicon:** Silicon Institute of Technology is a premier Autonomous (granted by UGC) institute in the state engaged in qualitative technical education. Our curriculum is designed and continually enhanced to meet the demands of the Industries. Silicon Institute of Technology has:

- Excellent Infrastructure & Academic Ambience
- Qualified and Experienced Faculty Members
- Well Defined Teaching/Learning Process
- Continuous Academic Monitoring & Mentoring
- Excellent Industry Interface & Placement
- Adequate Library and Laboratory facilities
- Hostel, Canteen, Cafeteria, Transportation facilities
- Indoor & Outdoor Games Facilities

**Application Procedure:**

**Step-1:** Fill online application form

**Step-2:** Report to the institute for submission of original documents & payment of fees on receipt of seat allotment letter by registered e-mail

**Step-3:** Reporting to the institute for allotment of hostel (optional) and commencement of class

**For further queries please contact:**

**Email:** admission@silicon.ac.in

**Call:** +91-99372 89499 / 73814 99499