

# INSTITUTE OF MATHEMATICS & APPLICATIONS

(Government of Odisha)  
Andharua, Bhubaneswar-751029

## ADMISSION NOTICE FOR M.SC.(MATHEMATICS WITH DATA SCIENCE)

The Institute of Mathematics and Applications is a premier seat of learning in Mathematics and allied subjects. It is generously funded by the Science and Technology Department in the Government of Odisha and its progress is monitored by a body of renowned world class academicians. Its serene environment and free atmosphere provide perfect setting for a professionally rewarding educational experience. The alumni carefully selected through all India entrance tests and nurtured by competent teachers have provided All India character to this institute. The institute shall offer **M.Sc. (Mathematics with Data Science)** in self-financing mode in the academic session 2018-19. The details of the course, procedure, fees, centers of entrance tests etc. are available in the website [www.iomaorissa.ac.in](http://www.iomaorissa.ac.in).

- 1. Eligibility for Application:** A candidate seeking admission to this programme should have passed /appeared Bachelor's Degree with Mathematics /Statistics as honours subject.
- 2. About Data Science:** Establishing pattern in a pile of huge data in quest of optimality, precision, time efficiency or making smarter decisions amidst diverse information are challenges faced by corporate sector in a world taken over by digital revolution. The role of a data scientist is to predict what is likely to happen given past data of what has happened and recommend decision makers cost effective changes to existing procedures and strategies. To meet this objective a data scientist explores and examines data from various perspectives to determine weaknesses, trends, and opportunities, and employs machine learning and statistical methods, invents new algorithms to solve problems and builds new tools to automate work. So professionals with back ground in Data Science are now the most sought after in business, industry, scientific labs, etc. This course aims at producing competent data scientists with strong foundation in mathematics to address the above requirements in corporate sector while having ample scope for a career option in academics as well. The syllabus is designed for in depth theoretical back ground in data science, hands on training in lab, interface with industry with varieties of electives to choose for different requirements. The course is an amalgamation of Mathematics, Statistics, Computation, Big Data Analytics, Machine Learning including Deep Learning, Business Analytics and much more.

### Important Dates

<b>Date of availability of application forms and prospectus</b>	<b>: 26/05/2018</b>
<b>Last date of receipt of completed application form</b>	<b>: 18/06/2018</b>
<b>Date of entrance test</b>	<b>: 30/06/2018</b>
<b>Tentative date for announcement of result</b>	<b>: 10/07/2018</b>

**DIRECTOR**