

ISME

WNS

Extending Your Enterprise

ACUMEN MEETS ANALYSIS

COGNITION MEETS CREATIVITY

DATA MEETS DECISIONS

Data^e

Post Graduate Program

DATA SCIENCE & ENTREPRENEURSHIP

Blended with MITx MicroMasters: Statistics & Data Science

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POSTGRADUATE PROGRAM IN DATA SCIENCE & ENTREPRENEURSHIP

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Why PG DSE:

- Designed and mentored by WNS, a leading global Business Process Management company that drives process, analytics and technology-led business transformation for 350+ companies across 10+ industries
- World-class, innovative campus in the heart of Mumbai
- Develop and build machine learning algorithms to extract information from unstructured data
- Combines technical, mathematical and entrepreneurial skills to create well-rounded business leaders
- Builds proficiency in the latest and most powerful software applications like R, Python, Hadoop and data analysis tools
- Analyze big data and make data-driven predictions through probabilistic modeling and statistical inference

FOCUS AREAS

1. Cognition:

Learn to drive & direct Data from Analysis towards cognition. Learn tools & its application towards making enterprises Datawise

2. Creativity:

Moving beyond the technical know-how, understand how can you play, visualise & apply data to drive creative campaigns & strategy

3. Presentation:

Describe & depict Data in intuitive ways which can be easy to comprehend & communicate across masses

4. Acumen:

Develop questioning capabilities to deduce complex & unapparent data into useful & actionable insights

5. Storytelling:

Learn how to weave data into stories & pitch solutions in a compelling & creative manner

6. Entrepreneurship:

Identify opportunities & domains which can be disrupted with the power of your Data Knowledge.

ABOUT

ISME

ISME is a new age educational institution whose objective is to deliver cutting edge knowledge and create innovative solutions towards challenges of the world. Located in the heart of Corporate Mumbai, ISME invests in transforming their students into entrepreneurs, change makers and innovators.

WNS

WNS is a top-tier consultative Business Process Management company that enables business transformation through intelligent processes, insight-driven decision making & smart technology-enablement for more than 350+ clients in key industry verticals.

WNS delivers an entire spectrum of BPM services in research & analytics, customer interaction services, finance and accounting, human resource, technology solutions & industry-specific processes. WNS has more than 36,000 employees serve across 54 delivery centers located in China, Costa Rica, India, the Philippines, Poland, Romania, South Africa, Sri Lanka, Turkey, UK & US.

THE DATA REVOLUTION IS HERE ARE YOU READY FOR IT?

THE PROGRAM OUTLINE

4 Weeks	16 Weeks		15 Weeks		16 Weeks	12 Weeks	
Pre Program Prep	TRIMESTER I	Immersion Field Trips	TRIMESTER II	WNS Briefing Week	TRIMESTER III	Capstone: WNS/Techpreneur	
	CORE COURSES		CORE COURSES		CORE COURSES		
	Applied Statistics		Deep Learning		Marketing Analytics		
	Data Mining		Applied Machine Learning		Financial Analytics Essentials		
	Data Architecture		Cognition & Creativity		Data Visualisation		
	Data Entrepreneurship in Action I	Data Entrepreneurship in Action II	Data Entrepreneurship in Action III				
	MITx MICROMASTERS: STATISTICS & DATA SCIENCE*						
	MASTER CLASSES	MASTER CLASSES	MASTER CLASSES				
	R, Python, Hadoop & data analysis tools	Data & Law (IP rights & integration)	Digital Marketing & Social Media Analytics				
	The Economics of Information: Strategy Structure & Pricing	Design Thinking	Story Telling with Data				

Learning Tools | R, Python, Hadoop, Tableau, Full Stack Web Development

Taught in a Blended Learning Format by ISME Anchor Faculty

Who Should Apply

- Recent graduates in engineering, math, economics, computer science, industrial engineering, statistics, information systems or other equivalent field
- Professionals who wish to launch a career in data analytics
- Business leaders who want to accelerate digital transformation in their firms
- Individuals with mathematical and logical aptitude, leadership skills and an entrepreneurial mindset

Post Completion You Will Be Able To

- Apply statistics and programming tools to experiments in business scenarios and understand how to make sense out of the data that is generated
- Identify opportunities and real world problems to devise a data driven entrepreneurial venture
- Create engaging content and present it to a breadth of stakeholders as you help turn into decisions
- Conduct analysis which incorporate big data and machine learning techniques to generate more complex understandings of data

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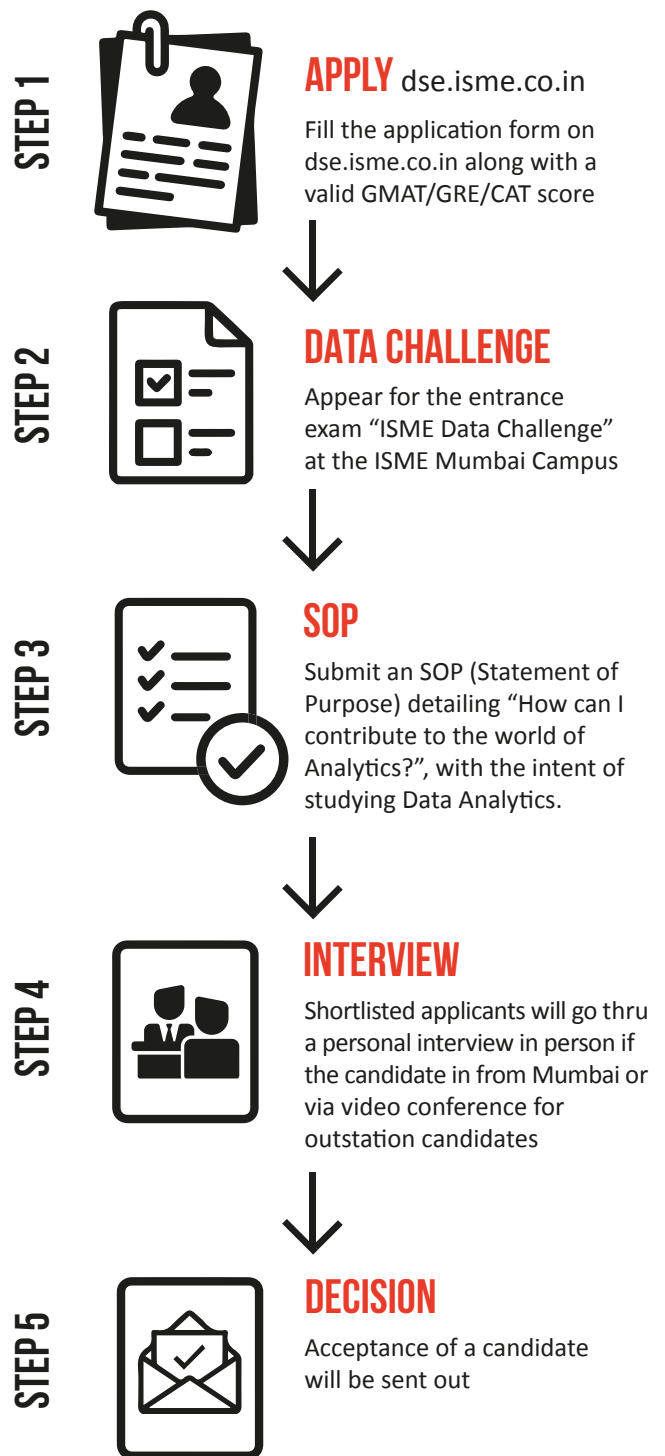


Advantage

With access to the WNS analytics practice and infrastructure, students of the ISME-WNS PG DSE program will be exposed to a world-class setup that supports leading global corporations and is capable of processing vast volumes of data. The students will see in action:

- 'Infra to Insights' services, including data ingestion, harmonization, analysis and visualization through our proprietary cloud-based Big Data analytics platform
- Enhanced technology-enabled analytics offerings, leveraging Machine Learning, cognitive computing and Artificial Intelligence
- The Analytics Consulting and Incubation Group, which consults with businesses, offers solutions for analytics problems, deliver proofs of concepts and helps set up operational elements during incubation
- The Analytics Innovation Center that experiments with the latest analytics technologies and helps develop end-to-end digital solutions to address critical business problems
- WNS R-Labs, where we build solutions in R language (leveraging open source technology)
- Customer-specific solutions with embedded analytics for improving operational performance
- Thought leadership and consulting services through the WNS DecisionPoint™ platform in collaboration with partners, including Knowledge@Wharton

Admission Process



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