



S P Jain
School of Global
Management

DUBAI • MUMBAI • SINGAPORE • SYDNEY



MASTER OF

ARTIFICIAL INTELLIGENCE IN BUSINESS



Fundamental technological innovations from the past such as the printing press, steam engines, electrical power, and modern telecommunications have completely transformed the economy and changed the face of the world. The latest such fundamental innovation is Artificial Intelligence (AI), the use of digital computers to augment and improve human intellectual capabilities. According to [PricewaterhouseCoopers](#), the AI revolution will result in a potential contribution of USD 15.7 trillion to the world economy just by 2030.

The rise of AI has created a great demand not only for engineers who understand its inner workings, but also for experts who understand both the technology and the business needs and can translate a business requirement to a technology specification. There is a great shortage of such experts, and the SP Jain postgraduate program, Master of Artificial Intelligence in Business (MAIB), has been created to fill this gap.

The MAIB is a 2-year full-time postgraduate program that will cover the foundations, principles, and techniques of AI, as well as business subjects such as economics, accounting, finance, and marketing. In addition to learning the theory, students will work on many projects that apply AI to practical problems in retail, manufacturing, finance, and many other businesses. After graduating from this program students will be ready to work on cutting-edge AI projects such as creating recommender systems for e-commerce companies, using AI to create and manage advertising campaigns, designing and deploying smart logistics systems and AI-based financial portfolio management.

PROGRAM OVERVIEW



2-YEAR FULL-TIME PROGRAM



**STUDY FACE-TO-FACE ON CAMPUS
IN MUMBAI OR IN SYDNEY**



ELIGIBILITY: UNDERGRADUATE DEGREE

To view the detailed eligibility criteria, please [click here](#)



**GRADUATE WITH AN
AUSTRALIAN DEGREE**

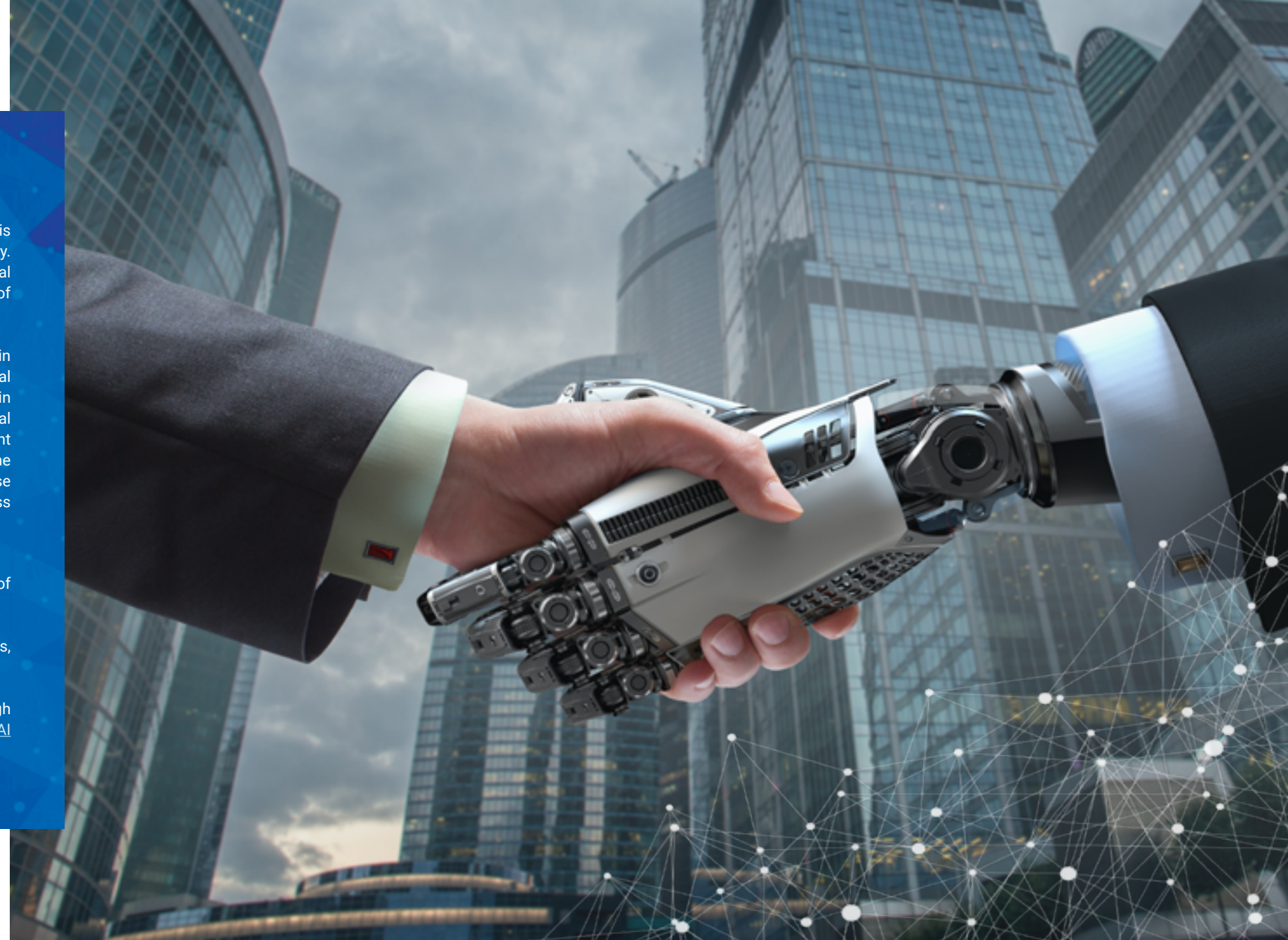
To know about the post-study work rights upon completion of the program in Sydney, please check the Australian Government's Department of Home Affairs website: <https://www.homeaffairs.gov.au>

GLOBAL OPPORTUNITIES

With rapid advancements in AI technology across domains, it is not a question of if, but when, to adopt AI for businesses today. Organisations that respond rapidly to opportunities in Artificial Intelligence applications will have an advantage in the landscape of the future.

Artificial Intelligence is constantly being adapted by every field in today's business world including digital marketing and computational advertising, recruiting and other HR functions, supply chain optimisation, manufacturing, healthcare management, pharmaceutical research, management of educational institutions, investment management, and banking and insurance service provision. The need, therefore, is for well-trained professionals who can use their technological and management knowledge to drive business transformation.

- According to a [recent study by Stanford University](#), the number of active AI start-ups has increased by 1400% since the year 2000.
- Artificial Intelligence is creating new jobs in 4 out of 5 companies, according to a 2017 [research conducted by Capgemini](#).
- The supply of AI specialists and researchers not meeting the high demand for AI skills has led to a [spike in salaries for existing AI professionals](#).





ASSESSMENT METHODS

S P Jain uses a system of continuous student evaluation, rather than a single end-of-semester final examination. The assessment types for the MAIB course include organisational case studies, simulation exercises, prototype development and exhibition, group projects, classroom presentations, quizzes, problems and exercises, industry projects, laboratory work, and final exams.

To learn more about our assessment methods, please refer to the [Student Handbook](#) on our website.

GRADUATE ATTRIBUTES OF S P JAIN

- Knowledge of Business, Management and Emerging Technologies
- Research and Business Intelligence
- Problem Solving and Decision Making
- Creativity and Innovation
- Intercultural Competence/Communication
- Teamwork
- Global Citizenship/Ethics (Collaborate, Negotiate and Resolve Conflicts)

COURSE LEARNING OUTCOMES

KNOWLEDGE OF ARTIFICIAL INTELLIGENCE AND BUSINESS MANAGEMENT

Demonstrate an advanced, integrated, and coherent disciplinary and interdisciplinary knowledge of artificial intelligence technologies, business management, and research principles and methods for the application of AI to business.

CRITICAL THINKING, DESIGN THINKING AND DECISION-MAKING SKILLS

Develop problem solving, design, and decision-making skills to identify and provide innovative solutions to complex business problems through application of AI technologies and techniques.

COMMUNICATION AND TEAM PERFORMANCE SKILLS

Work and communicate effectively as a member or leader of a diverse team to provide superior business solutions using advanced tools and practices of artificial intelligence and business management.

ETHICS AND SOCIAL RESPONSIBILITY

Demonstrate mindfulness of professional practices in a global and sustainable context and act with professional accountability and integrity.

RESEARCH METHODS COMPETENCE

Apply knowledge of research principles and methods to plan and execute a research-based industry project with a high level of personal autonomy and accountability.

CURRICULUM

CODE	SUBJECT	CORE /ELECTIVE	CREDITS	PRE-REQUISITES
Term 1				
MAIB DSC 101	Data Science and Analytics	Core	2	Nil
MAIB AI 101	Fundamentals of Artificial Intelligence	Core	2	Nil
MAIB MAT 101	Probability and Statistics	Core	2	Nil
MAIB CSC 101	Programming with Python & R	Core	2	Nil
Term 2				
MAIB AI 102	Machine Learning Fundamentals	Core	2	Fundamentals of Artificial Intelligence
MAIB AI 103	Reasoning and Decision Making under Uncertainty	Core	2	Fundamentals of Artificial Intelligence
MAIB ECO 101	Economics, Micro, Macro and Digital	Core	1	Nil
MAIB ACC 101	Financial & Managerial Accounting	Core	1	Nil
MAIB ORG 101	Organisational Behaviour	Core	1	Nil
MAIB LSC 101	Operations Management	Core	1	Nil
Term 3				
MAIB AI 104	Neural Networks and Deep Learning with Business Applications	Core	2	Machine Learning Fundamentals
MAIB AI 105	Natural Language and Conversational Systems with Business Applications	Core	2	Machine Learning Fundamentals
MAIB CSC 102	Database Management	Core	1	Nil
MAIB AI 106	Ethics, Philosophy and Sociology of Artificial Intelligence	Core	1	Fundamentals of Artificial Intelligence
MAIB FIN 101	Corporate Finance	Core	1	Financial & Managerial Accounting
MAIB MKT 101	Marketing Management	Core	1	Nil

Term 4

MAIB AI 207	AI and Automation in Finance	Core	2	Machine Learning Fundamentals & Corporate Finance
MAIB AI 208	AI in Marketing	Core	2	Machine Learning Fundamentals & Marketing Management
MAIB AI 209	AI in Logistics	Core	2	Machine Learning Fundamentals & Operations Management
MAIB PRO 201	Applied Business Project	Core	2	Machine Learning Fundamentals

Term 5

MAIB MGT 201	Business Strategy	Core	1	Nil
MAIB MGT 202	Design and Critical Thinking	Core	1	Fundamentals of Artificial Intelligence
MAIB AI 210	Embedded Artificial Intelligence & Robotics	Core	2	Fundamentals of Artificial Intelligence

Choose both units from only one of the following two tracks

Track 1 - Minor Concentration: Digital Marketing

MAIB AI 211	Recommendation Engines for Marketing Applications	Elective	2	AI in Marketing
MAIB AI 212	Computational Advertising	Elective	2	AI in Marketing

Track 2 - Minor Concentration: Digital Logistics

MAIB CSC 203	Business Process Automation	Elective	2	Fundamentals of Artificial Intelligence & Operations Management
MAIB CSC 204	Internet of Things and Smart Asset Management	Elective	2	Fundamentals of Artificial Intelligence

Term 6

Choose only one of the following two units

MAIB MGT 203	AI Strategy and Change Management	Elective	2	Fundamentals of Artificial Intelligence & Business Strategy
MAIB ENT 201	AI and Entrepreneurship	Elective	2	Fundamentals of Artificial Intelligence
MAIB CPP 201	Capstone Industry Research Project	Core	4	Applied Business Project

TOTAL CREDITS**46**

FACULTY

Faculty members are at the heart of any academic program. They create conditions that bring out the best in students. S P Jain's faculty is selected on the basis of proven success and expertise. They are among the best in their respective fields - a multinational collective of recognised scholars and experts who bring a wealth of research, teaching and industry experience to the classroom.

ABHIJIT DASGUPTA

Assistant Professor and Director - Bachelor of Data Science, Big Data & Visual Analytics
PhD in Customer Experience Management, Dr RML Awadh University, India

Areas of Specialisation: Data Science and Analytics

ADITYA PRAKASH NARVEKAR

Assistant Professor - Data Science
Master of Business Administration in Finance, New York University, USA

Areas of Specialisation: Programming Languages, Databases, Data Warehouse

AMIT BAGGA

Adjunct Faculty
PhD in Commerce, CCS University, India

Area of Specialisation: Corporate Finance

ARUMUGAM SEETHARAMAN

Professor and Dean - Research
PhD in Accounting & Finance, University of Madras, India

Area of Specialisation: Business Strategy

BEULAH MOSES

Associate Professor - Business Technology and Director - Quality Assurance
PhD in Computer System Engineering, University of South Australia, Australia

Areas of Specialisation: Machine Learning Fundamentals, Fundamentals of Artificial Intelligence

BOMAN MORADIAN

Adjunct Faculty
Master of Management Studies in Operations, Jannalal Bajaj Institute of Management Studies, India

Area of Specialisation: Operations Management

BOUCHRA HADER

Assistant Professor - Marketing
Master of Business Administration, IAE Grenoble, France

Areas of Specialisation: Marketing Management

CHRISTOPHER ABRAHAM

Professor and Head of Campus (Dubai)
Master of Business Administration, Regional Engineering College, India

Areas of Specialisation: Organisational Behaviour, Design & Critical Thinking

DEBASHIS GUHA

Associate Professor and Director - Machine Learning
PhD in Operations Research, Columbia University, USA

Areas of Specialisation: Machine Learning Fundamentals, Fundamentals of Artificial Intelligence

DHRUPAD MATHUR

Associate Professor - IT Management and Deputy Director - Faculty Management
PhD in Management: The Challenges of e-Business, Jai Narain Vyas University, India

Area of Specialisation: Information Technology

DINAKAR BHOTTA

Assistant Professor - Information Technology
Master of Business Administration in International Business, University of Southern Queensland, Australia

Area of Specialisation: Corporate Finance

HADDARA MOUTAZ

Adjunct Faculty
PhD in Information Systems, College of Management and Social Sciences, Norway

Area of Specialisation: Information Technology

JOHN LODEWIJKS

Professor - Economics, Vice President - Academic, and Acting Dean - Undergraduate Programs

Area of Specialisation: Economics

KARIPPUR NANDA KUMAR

Professor and Area Head - Information Technology & E-business
PhD in Computing, Indian Institute of Technology, India

Area of Specialisation: Business Process Automation

MADDULETY KOILAKUNTLA

Associate Professor and Deputy Director - Doctor of Business Administration
PhD in Quality Management System, Shivaji University, India

Areas of Specialisation: Probability & Statistics, Reasoning & Decision Making Under Uncertainty, Operations Management

MANEK MUKESH

Adjunct Faculty
Master of Business in Professional Accounting, Victoria University of Technology, Australia

Areas of Specialisation: Accounting and Finance

MO KADER

Adjunct Faculty
PhD, Kassel University, Germany

Area of Specialisation: Marketing

NAVINIT BELUR

Adjunct Faculty
Master of Science in Computer Science, Georgia Institute of Technology, USA

Areas of Specialisation: Programming with Python & R, Neural Networks and Deep Learning with Business Applications

NAWAZISH MIRZA

Associate Professor and Area Head - Finance
PhD in Financial Markets, University of Paris Dauphine, France

Area of Specialisation: Corporate Finance

NICOLAS HAMELIN

Associate Professor - Marketing and Director - Neuroscience Centre
PhD (DPhil) in Physics, Sussex University, United Kingdom

Area of Specialisation: Marketing

NITIN PATWA

Associate Professor, Director - Simulation, and Deputy Director - Undergraduate Programs (Dubai)

Master of Financial Analysis & Control, JNV University, India

Areas of Specialisation: Probability & Statistics

RAJESH LUCKNAUTH

Adjunct Faculty

Chartered Financial Analyst in Finance, Chartered Financial Analyst Institute, USA

Area of Specialisation: Financial & Managerial Accounting

SADIA RIAZ

Associate Professor

PhD in Information Technology, Universiti Teknologi PETRONAS, Malaysia

Areas of Specialisation: Information Technology & Research Methods

SUCHISMITA DAS

Assistant Professor

PhD in Reliability & Statistics, Indian Institute of Science Education and Research, India

Areas of Specialisation: Probability & Statistics

SUNIL LAKDAWALA

Adjunct Faculty

PhD in Atomic Physics, Yale University, USA

Areas of Specialisation: Data Science & Analytics

TRISTAN CHONG

Associate Professor and Area Head - Marketing

PhD in Marketing, University of Bolton, UK

Area of Specialisation: Marketing

VAIDYANATHAN JAYARAMAN

Dean – Undergraduate Programs

PhD in Operations and Supply Chain Management, The Ohio State University, USA

Area of Specialisation: Logistics & Operations and Data Science



CAREERS

Artificial Intelligence is estimated to create close to 58 million jobs by 2022 as per [‘The Future of Jobs 2018’ report by the World Economic Forum](#). Successful graduates of the MAIB program will be well-positioned for exciting opportunities in several roles including Artificial Intelligence Specialists, Artificial Intelligence Consultants, Artificial Intelligence Transformation Managers, Machine Learning Executives, Data Scientists, Business Intelligence Developers, Digital Marketing Executives, Supply Chain Managers, Financial Analytics Executives, or as Entrepreneurs.





ADMISSIONS

ELIGIBILITY

Undergraduate degree

- All applicants must have an undergraduate degree from a recognised university or other approved tertiary institution which includes satisfactory completion of at least four units of Mathematics, Computer Science, Economics, Engineering, Science or another quantitative discipline.

English language proficiency

- All applicants must have completed their education as detailed above in English and must provide certified evidence to the School.
- Applicants who have not completed their most recent education qualifications in English are required to take any of the following recognised formal English language test and obtain currently valid minimum scores as below:
 - IELTS overall score of 6.5, or
 - TOEFL iBT overall score of 70, or
 - PTE overall score of 60
- International applicants (including those who have completed their most recent education qualifications in English) who are undertaking study at our Sydney campus may need to meet the English language test requirements detailed by the Australian Government to obtain their student visas. For more information, please click here.

Only test scores obtained in the last 2 years are valid. This is also a mandatory requirement for a student to obtain an Australian visa.

HOW TO APPLY

Step 1: Submit your application online

Step 2: Personal Interview

- As part of the final stage of applicant evaluation, all shortlisted candidates will be required to undertake a personal interview with a member of the School's selection committee at one of the School's campuses or online.
- The interview is designed to assess mathematical and analytical aptitude, communication skills, and subject knowledge.
- The personal interview is an additional vetting of students for behavioural and other traits so that S P Jain can pro-actively ensure that all students admitted are in the best position to complete the program successfully and achieve learning outcomes. This reduces the likelihood of 'student at risk' issues.

Step 3: Results

Results will be declared within 5-7 working days of the interview.

Please visit the corporate website for more information on the course commencement, intakes and course calendar.

For more details about the admission process, please [click here](#)

To learn more about the fee and other applicable charges, please [click here](#)

To view our detailed Admissions Policy, please [click here](#)



ABOUT S P JAIN

S P Jain School of Global Management (S P Jain) is an Australian business school with campuses in Dubai, Mumbai, Singapore and Sydney. We relentlessly strive to reimagine business education and offer innovative courses in dynamic, world-class cities. Our efforts have been recognised by highly regarded global rankings that include:

15

WORLD'S TOP 15

[Forbes](#)
[The Best International MBAs:
1-Year Programs \(2019-21\)](#)

#4

WORLD'S #4

[Times Higher Education –
Wall Street Journal](#)
[1-year MBAs \(2018-19\)](#)

100

WORLD'S TOP 100

[The Economist](#)
[Full-Time MBAs \(2015\)](#)

50

WORLD'S TOP 50

[Poets & Quants](#)
[Best International MBAs \(2015\)](#)

#1

DUBAI'S #1

[Global Brands](#)
[Best Business School \(2015\)](#)

100

WORLD'S TOP 100

[Financial Times](#)
[Global MBA Rankings \(2011 & 2012\)](#)

S P JAIN SCHOOL OF GLOBAL MANAGEMENT

SYDNEY

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