



O.P. JINDAL GLOBAL
INSTITUTION OF EMINENCE DEEMED TO BE
UNIVERSITY
A Private University Promoting Public Service



Jindal School of
Journalism & Communication
India's First Global Media School



JINDAL SCHOOL OF
BANKING & FINANCE
India's First Global Finance School

PG DIPLOMA IN

DATA JOURNALISM

2021

EXECUTIVE & RESIDENTIAL PROGRAMMES



JGU | O.P. JINDAL GLOBAL UNIVERSITY

O.P. Jindal Global University (JGU) is a non-profit global university established by the Government of Haryana and recognised by the University Grants Commission (UGC). JGU was established as a philanthropic initiative of its Founding Chancellor, Mr. Naveen Jindal in memory of his father, Mr. O.P. Jindal. JGU is one of the few universities in Asia that maintains a 1:8 faculty-student ratio and appoints faculty members from India and different parts of the world with outstanding academic qualifications and experience. JGU is a research intensive university, which is deeply committed to its core institutional values of interdisciplinary and innovative pedagogy; pluralism and rigorous scholarship; and globalism and international engagement.

JGU has established ten schools: Jindal Global Law School (JGLS); Jindal Global Business School (JGBS); Jindal School of International Affairs (JSIA); Jindal School of Government and Public Policy (JSGP); Jindal School of Liberal Arts & Humanities (JSLH); Jindal School of Journalism & Communication (JSJC); Jindal School of Art & Architecture (JSAA); Jindal School of Banking & Finance (JSBF); Jindal School of Environment & Sustainability (JSES) and most

recently Jindal School of Psychology & Counselling (JSPC). JGU has been granted "Autonomy" by the University Grants Commission and the Ministry of Education, Government of India, for receiving the "A" Grade from the National Assessment and Accreditation Council (NAAC). This makes JGU the only private university in the state of Haryana and one of the only two private universities in India to be given the status of autonomy.

JGU has made history by breaking into the QS World University Rankings 2021 Edition. We are also the only Indian private university in the top 150 'young' universities in the world (under 50 years of age) in the QS Young University Rankings 2021. JGU is the youngest University from India to feature in both these rankings. In September 2019, JGU was selected as an 'Institution of Eminence' (IOE) by the Government of India, making JGU one of only eight private universities in India to be awarded this status.

JGU was ranked in the top 700 universities in the world in the QS World University Rankings 2021 Edition, making it India's No. 1 Private University and India's No. 1 University dedicated to the Social Sciences, Arts and Humanities.

**RANKED NUMBER 1 PRIVATE UNIVERSITY
IN INDIA, BY**

**TOP 700
UNIVERSITIES GLOBALLY**

**QS WORLD
UNIVERSITY
RANKINGS**
Quacquarelli Symonds (QS) 2021 Edition

**INDIA'S NO.1
UNIVERSITIES IN SOCIAL SCIENCES,
ART & HUMANITIES**

INDIA'S FIRST PG DIPLOMA IN DATA JOURNALISM



TWO ONE-OF-A-KIND

ONE-YEAR PROGRAMMES

EXECUTIVE & RESIDENTIAL

DEVELOP SKILLSETS IN DATA INTERPRETATION,
ANALYSIS AND VISUALISATION FOR STORYTELLING

**CREATE DATA-DRIVEN NEWS
AND ANALYSIS.**

*“Sound public opinion cannot exist
without access to news”*

–Walter Lippmann

01

Data driven
investigative
journalism

02

Curate and edit
newsletters for mutual
fund companies,
stockbrokers and
market analysts

TELL THE STORY

03

Develop reports on
new areas such as
environmental and
social governance
issues

04

Trawl through
data, edit and
write

05

Visualize findings
accurately and
lucidly

MESSAGE

FROM THE DEANS

Journalism provides one indispensable way for us to view the world around us. But even at its most majestic, journalism has its inherent shortcomings. It cannot capture the nuances of the unseen environment. Moreover, as Walter Lippmann noted a century ago, all the reporters working all the hours of the day can chronicle only an infinitesimal fraction of what happens around us. In recent years, we have discovered that data offers another equally indispensable way of viewing the world. Data, too, has its own limitations. It cannot provide the personal touch.

Adding together journalism and data does not erase their shortcomings. But it does create a sum larger and more powerful than the constituent parts. In the world of education, combining the study of data and journalism has fast become essential for any number of people seeking careers in an increasingly digital and globally interconnected world. Journalists need to expand their toolbox, and would-be journalists need to be literate in collecting, synthesising and analysing data. Those in data-related fields—from tech to banking to finance and public policy—need to know how to find out how the world works and how to analyse and present their findings in an attractive way.

The Jindal School of Journalism & Communication (JSJC), and the Jindal School of Banking & Finance (JSBF) are thrilled to collaborate to offer India's first PG Diploma in Data Journalism. This is the latest example of how knowledge and best practices freely transcend disciplinary and professional boundaries. This program combines the JSBF's tech-forward and data-intensive approach with JSJC's spirit of investigation and inquiry.

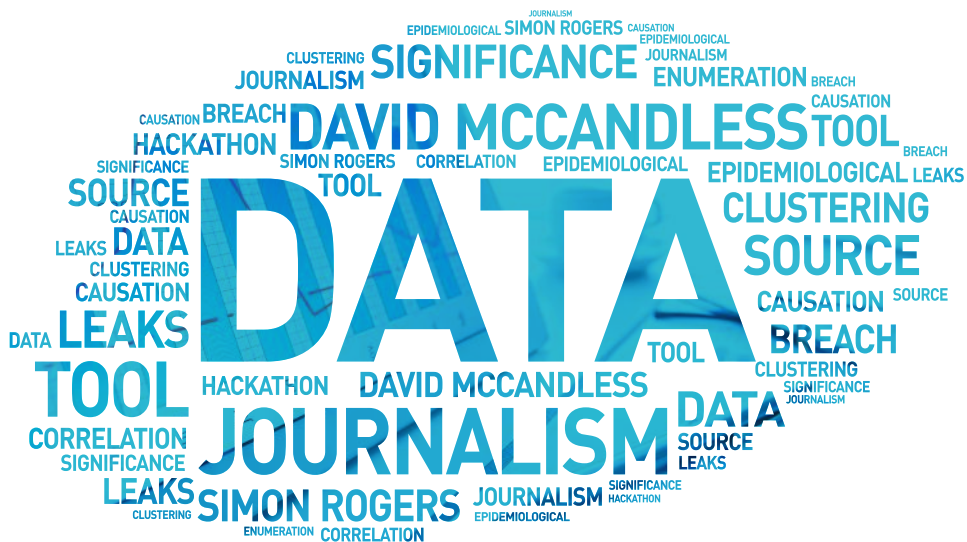
As technology continues to disrupt, the future of the industry will depend on what professionals in journalism, media and communication learn now. This program will help people not only face the future but create it. We know that this PG Diploma in Data Journalism, its faculty, and students will go places and do great things.



PROF. THOMAS J. GOLDSTEIN
Dean, Jindal School of
Journalism & Communication (JSJC)



PROF. (DR.) ASHISH BHARADWAJ
Dean, Jindal School of
Banking & Finance (JSBF)



CURRICULUM

The JSJC-JSBF PG Diploma in Data Journalism comprises two intensive, hands-on, one-year programmes -the Executive Programme and the Residential Programme. Each semester will offer compulsory, core courses and a choice of elective courses. Between semesters, candidates will have the opportunity to do internships or supervised capstone projects.

▶ CORE COURSES

01. Data journalism in the newsroom
02. Special ethical challenges in reporting with data
03. Data fundamentals
04. Investigating data sources
05. Data analysis with R
06. Data visualisation with Tableau
07. Multimedia storytelling

▶ ELECTIVE COURSES (NON-EXHAUSTIVE)

01. Investigating public policy with data
02. Investigating trade policy with data
03. Reporting on finance
04. Reporting on elections with data
05. Reporting on labour issues with data
06. Data feminism-Developing a gender lens to data analysis
07. Reporting environment & climate change
08. Reporting on healthcare with data

Executive PG Diploma in Data Journalism

The Executive Programme enables working professionals to upgrade their skills and learn new quantitative storytelling techniques. Class schedule will accommodate busy, working professionals.

Eligibility: Bachelors in any field of study, Letter from employer, Complete application form, Interview, Letter of recommendation (*preferred but not required*).

Accepted standardized tests/competitive exams including JSAT or equivalent (SAT, ACT, UGAT, LSAT-India).

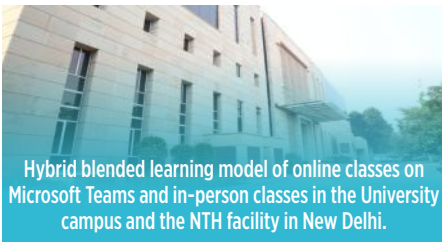
For details, visit: <https://jgu.edu.in/jsjc/admissions/>

Tuition Fee	₹ 2,50,000/-*
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*For two semesters (one academic year) | Inclusive of Tableau | Taxes extra.

Education Loans:

JGU has established tie-ups with AVANSE (ICICI), Dena Bank and Credila (HSFC) to facilitate educational loans for students who are admitted to the PG Diploma in Data Journalism.



PG Diploma in Data Journalism (Residential)

The Residential Programme enables recent graduates to continue their college education on JGU's state-of-the-art campus designed by Stephane Paumier. Candidates will have the opportunity to participate in JGU student life with excellent library and gym facilities and myriad clubs and societies.

Eligibility: Bachelors in any field of study, Complete application form, Interview, Letter of recommendation (*preferred but not required*).

Accepted standardized tests/competitive exams including JSAT or equivalent (SAT, ACT, UGAT, LSAT-India).

For details, visit: <https://jgu.edu.in/jsjc/admissions/>

Tuition Fee	₹ 2,50,000/-*
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Residential Fee	₹ 2,60,000/-*
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*For two semesters (one academic year) | Inclusive of Tableau | Taxes extra.



Our programme includes Tableau certification. We prepare our candidates to clear the Tableau Certification Exam. Programme fee includes certification fee.

Full access to JGU Digital Library



MESSAGES FROM FACULTY



“ Everyone loves a good story, and we are all storytellers. Journalism is multidimensional and we employ whatever skills we can to tell a story effectively. Today's skill is crunching data. Journalism has never been just a profession but a calling and an approach to critical thinking. Visualising data has taken this approach to the next level where numbers are now words for high impact and compelling storytelling. ”

■ **Kishalay Bhattacharjee,**
Professor and Vice Dean, JSJC



“ Why are humans attracted to numbers? Do numbers and statistics drive journalistic endeavours or are data and infographics a means to justify the rationale for an article? Let us explore this together with facts and figures! ”

■ **Ram Ramachandran,**
Professor of Practice and Vice Dean, JSBF



“ Stats and numbers on the surface seem forbidding to many of us. But lurking beneath the forbidding surface, there is always a story. Often data adds a delectable twist to the story. As a financial analyst, I tried to tease out the stories hiding in financial statements , and as an academic I help students write stories with numbers. ”

■ **Anand Mishra,**
Professor and Vice Dean, JSBF



“ Why do journalists need data? In a world where every mouse click generates data, data can create news. In fact, even lack of data is newsworthy. I came to journalism school as an economist. My undergraduate students who hate math, love data. With the PG Diploma programmes, I am excited to examine key questions about critical data practice and how to argue with data. ”

■ **Ruchira Sen,**
Assistant Professor, JSJC





“ Data has stories that need to be told -stories that relay the news that the data itself cannot. Making that story interesting and comprehensible requires one to know various skills. This is what I emphasize in my courses be it MS Excel, Tableau, R or anything else. That's what we will equip you with -how to wring a story out of data. ”

Shalini Goel,
Assistant Professor, JSBF

“ With every piece of information getting digitised, we are looking at innovative means of analysing data. Data today is not just accessible, but it is also interactive and graphic; and journalists are constantly involved in the process of creating sophisticated data-driven stories. I am interested in storytelling with data visualisations. How can data stories reach out to the public and foster critical thinking? They say, 'a picture is worth a thousand words. Or is it? ”

Benson Rajan,
Assistant Professor, JSJC



“ When I open a newspaper, magazine or a webpage, pictures and charts are the first to catch my attention. Graphs, charts and carefully constructed illustrations give the reader a quick idea about the story being told. But what is the science behind this – how does a journalist go from gigabytes of information available to them to a summarized version in one story? Pattern recognition, clustering, classification and network analysis are some techniques that enable a master storyteller to filter information, summarize it and present it in a format that fits. We will learn these techniques and a lot more in these programs. ”

Soumyadip Roy,
Assistant Professor, JSBF



“ Every breath you take, Every move you make, Every bond you break, . . . I'll be watching you.” This song by The Police aptly describes the world today where every aspect of our behaviour generates data and is watched by corporations and governments. But to understand the impact of this data and the policies affecting it, we need to understand basics of economics, finance, and statistics. I am excited to help students understand these concepts so that they use the data that we generate every step of our lives. ”

Keerti Pendyal,
Lecturer, JSBF



FACULTY PROFILE



PROF. TOM GOLDSTEIN

PROFESSOR & DEAN (JSJC)

B.A. (Yale University);
M.A. (Columbia School of Journalism);
J.D. (Columbia Law School)

Tom Goldstein is the Founding Dean of JSJC. He has previously served as the Dean of the Journalism schools at Columbia University and UC Berkeley. As a Journalist, he has worked with The Wall Street Journal, Associated Press and the New York Times. He also worked as a Media Consultant to the Ford Foundation, McKinsey and Twitter. His books include The Lawyer's Guide to Writing Well, The News at Any Cost, Journalism and Truth, Two Faced Press and the much acclaimed Killing the Messenger. Tom will be teaching 'Understanding ethics and critical thinking in writing' as part of the PG Diploma in Data Journalism.

PROF. (DR.) RUCHIRA SEN

ASSISTANT PROFESSOR (JSJC)

B.A. (University of Delhi);
M.A. (Jawaharlal Nehru University, New Delhi);
Ph.D. & M.A. (University of Missouri-Kansas, USA)

Dr. Ruchira Sen teaches 'Data Analysis for Storytelling', 'Introduction to Data Journalism' and 'Economic Theory and Practice' at JSJC. An economist by training, she has published research on unpaid work and marriage as an economic institution. Ruchira is interested in the interactions between technology and the media and class relations in the media. As part of the PG Diploma in Data Journalism, Ruchira will be teaching 'Data Journalism in the Newsroom'.



PROF. (DR.) BENSON RAJAN

ASSISTANT PROFESSOR (JSJC)

B.A. (University of Delhi);
M.A. (Jamia Millia Islamia, Delhi);
FPM (MICA, Ahmedabad)

Dr. Benson Rajan has completed his Fellow Programme in Management Degree in Communications from Mudra Institute of Communications (MICA) in Ahmedabad (India). He also holds a Master's degree in Media Governance from Jamia Millia Islamia and a B.A. (Hons.) in Sociology from Delhi University. He specialises in Visual Culture and Media Semiotics. Benson will be teaching Multimedia Storytelling to the participants of the PG Diploma in Data Journalism.

MR. SUBHOMOY BHATTACHARJEE

ADJUNCT FACULTY (JSJC)

Consulting Editor,
The Business Standard

Subhomoy Bhattacharjee is Consulting Editor with Business Standard newspaper and Adjunct Faculty at JSJC. He works on public policy with emphasis on finance and energy. His latest book "India's Coal Story" links India's coal reserves with political scandals and fleshes out options for India's energy security. He has previously worked with the Government of India, and as a Senior Adjunct Fellow at RIS. He holds a PG Diploma in Journalism from IIMC and M.A. Economics from the Delhi School of Economics. He has published extensively and often appears on television channels for business news programmes. Subhomoy will be teaching Financial Journalism as part of the PG Diploma in Data Journalism.



PROF. KISHALAY BHATTACHARJEE

PROFESSOR & VICE DEAN (JSJC)

B.A. (Hons.) (St. Edmund's College)
M.A., (North Eastern Hill University)

Kishalay Bhattacharjee is Professor and Vice Dean of JSJC. A senior journalist with twenty-five years in broadcast journalism, Kishalay is a filmmaker, curator and author. He has served as Resident Editor at NDTV; Chair of Internal Security and Senior Fellow at the Institute for Defense Studies and Analyses (IDSA); Curator of the ArtEast Festival; and Executive Director of the Reachout Foundation. His books include Che in Paona Bazaar (Pan Macmillan), Blood on my Hands (Harper Collins) and An Unfinished Revolution (Pan Macmillan). His forthcoming book (Orient Blackswan) is on identity and citizenship. Kishalay will be teaching How to Get the Story as part of the PG Diploma in Data Journalism.

PROF. (DR.) SOUMYADIP ROY

ASSISTANT PROFESSOR (JSBF)

Ph.D. (Iowa State University);
M.A. Economics (Jawaharlal Nehru University);
B.A. Economics (Jadavpur University)

Dr. Soumyadip Roy is Assistant Professor of Economics and Assistant Dean (International Strategy) at JSBF. He has five years of experience working in the banking and finance industry in the area of risk management. After completing MA in Economics from JNU and PhD from Iowa State University, he worked as Vice President (Fraud & Risk) at Citibank, Delaware, USA on analytics-driven strategies to counter fraud and identity theft. In the classroom, he approaches issues in economics and corporate governance from an empirical and conceptual perspective. In the PG Diploma in Data Journalism, Soumyadip will address issues of clustering, classification and pattern recognition in data.





PROF. RAM B. RAMACHANDRAN
PROFESSOR & VICE DEAN (JSBF)

Ph.D. Candidate (International School of Management, Paris);
M.B.A. (NewYork University);
B.E. (University of Madras)

Ram B. Ramachandran is Professor of Practice and Vice Dean (Strategy & Planning) at JSBF. He has over thirty-five years of experience in building and leading global information management practices across data-driven industries. Previously, he worked as Managing Director at Ernst & Young, New York where he was responsible for driving Data & Analytics, Robotics Process Automation, and Telematics solutions for his clients that include several Fortune 100 financial services firms with their enterprise transformation programmes. He holds a B.E (Madras) and MBA (NYU). He teaches courses on emerging technologies, critical thinking in business, and cybersecurity. In the PG Diploma in Data Journalism, Ram will address issues in entrepreneurship and emerging technologies.

PROF. (DR.) ANAND MISHRA
PROFESSOR & VICE DEAN (JSBF)

Ph.D. (Louisiana State University);
M.B.A (MICA); **B.Com.** (Lucknow University);
 Currently pursuing Certificate in Finance & Technology and Financial Risk Management with Global Association of Risk Professionals

Dr. Anand Mishra is Professor of Finance and Vice Dean at JSBF. Having worked in the banking and insurance industry for close to a decade, Anand was awarded the prestigious Gilbert Foundation Fellowship to pursue doctoral research at the Louisiana State University on renewable energy finance. His interests lie in understanding uncertainty, volatility and risk in the financial markets. He teaches advanced courses in corporate finance and has a strong grasp of the financial health of various sectors of the Indian economy. In the PG Diploma in Data Journalism, Anand will address issues underlying volatility in the Indian financial markets and different ways to understand and interpret the behaviour of markets.



PROF. SHALINI GOEL
ASSISTANT PROFESSOR (JSBF)

M.A. Economics (Panjab University);
B.Com. (Panjab University)

Shalini Goel is Assistant Professor and Assistant Dean (Industry Interface) at JSBF. She has more than ten years of industry experience in analytics and supporting clients like Toyota, GE Capital, Symantec, Groupon and Home Depot. An economist by training, she has used empirical techniques and analytical tools including SAS, R, Tableau and Model Builder. Having worked at Genpact (India and the US) for more than a decade and at the Institute of Economic Growth, she has extensive experience of applying data analytics and empirical techniques in consumer credit businesses. In the PG Diploma in Data Journalism, Shalini will teach data analysis and visualisation using Tableau, R and MS Spreadsheets.

MR. KEERTI PENDYAL
LECTURER (JSBF)

Ph.D. Candidate (IIM Calcutta);
PGDM (IIM Ahmedabad);
B.Com. (Acharya Nagarjuna University)

Keerti Pendyal is Lecturer at JSBF. He is a graduate of IIM Ahmedabad and IIM Calcutta. His doctoral research is on public policy and management issues in technology-intensive industries of semiconductor, electronics, information and communication. Previously, at EY's debt advisory division, he worked closely with a wide range of clients including in railways, commercial transport, oil & gas, fashion & retail, healthcare, and education. He blends law, economics and public policy in his analysis of issues ranging from technology disruption and antitrust to agrarian crisis and farmer distress. In the PG Diploma in Data Journalism, Keerti will explain policies across select economic sectors of India using data.



PROF. (DR.) ASHISH BHARADWAJ
PROFESSOR & DEAN (JSBF)

Ph.D. (Max Planck Institute & University of Munich);
LL.M. (University of Manchester);
M.Sc. Economics (Madras School of Economics);
B.A. (Hons.) Economics (Delhi University)

Dr. Ashish Bharadwaj is the Dean of JSBF. He writes on the role of technology innovation and intellectual property in shaping societies, and on science-technology-innovation policies. Ashish has been a recipient of the Erasmus Mundus Fellowship, Max Planck Society Fellowship and the Thomas Edison Innovation Fellowship. He is a Visiting Professor at Hitotsubashi University (Tokyo) and an Affiliated Faculty at Indiana University's Maurer School of Law (Bloomington, USA). His last two books (Springer, 2018 & 2019) have been downloaded close to 200,000 times. In the PG Diploma in Data Journalism, Ashish will discuss evolution of patent laws and policies of India to support innovative industries.

PEOPLE



FACULTY



STUDENTS



ACCREDITATION & RANKINGS



SCHOOLS



21 Undergraduate Programmes
10 Postgraduate Programmes
Doctoral Programme



RESEARCH



3 Research & capacity building institutes



INTERNATIONAL COLLABORATIONS



O.P. JINDAL GLOBAL
UNIVERSITY
A Private University Promoting Public Service

JGU - An Initiative of Jindal Steel & Power Foundation

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