



**JIGSAW ACADEMY**  
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*In Collaboration With*

**भारतीय प्रबंध संस्थान इंदौर**  
**Indian Institute of Management Indore**

सिद्धिमुक्तं प्रबन्धनम्  
भा. प्र. सं. इन्दौर  
IIM INDORE



# Integrated Program in Business Analytics (IPBA)

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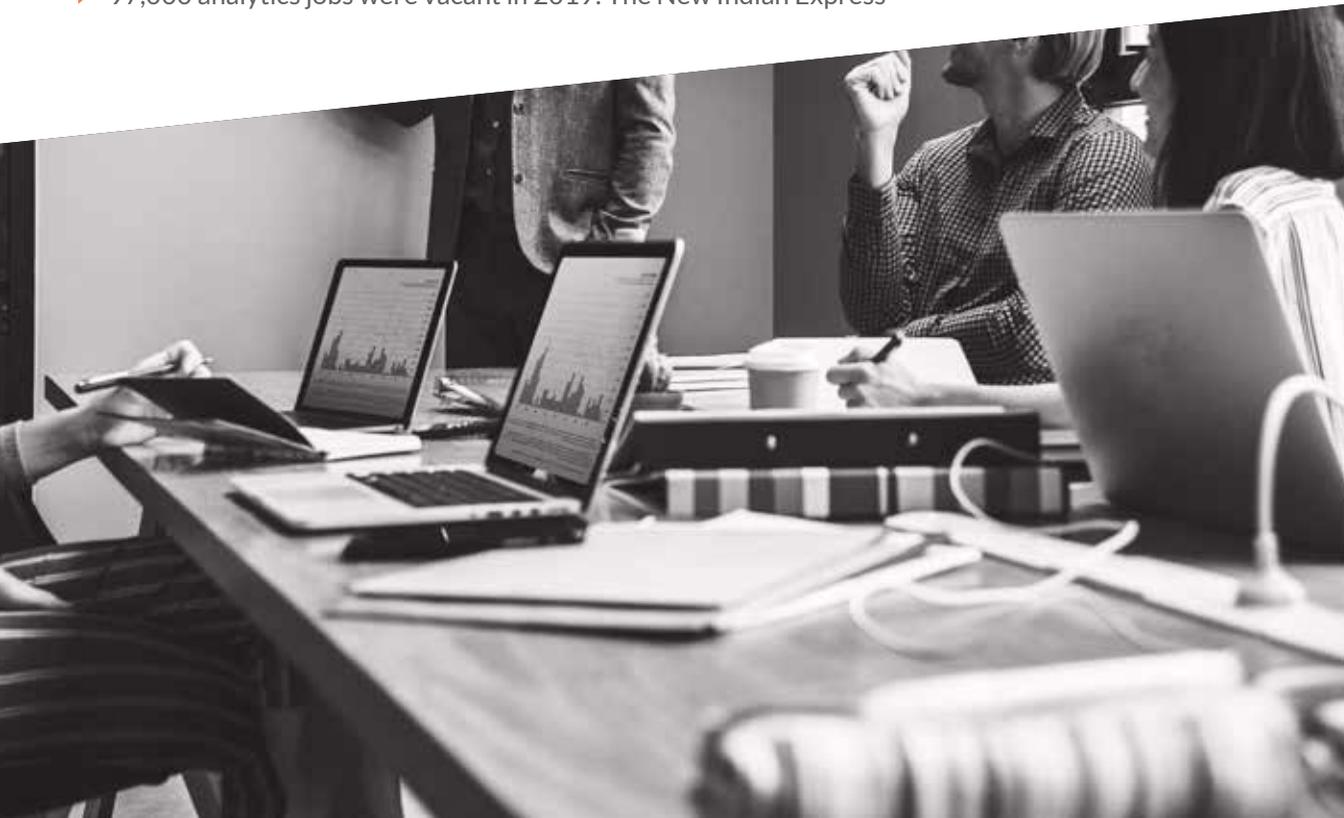
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# IPBA-Rethink Business Analytics

The future of the workforce depends on continual learning, and further education is imperative for Business Analysts who want to remain competitive and maintain progress in their careers. As organizations are moving towards a technology-driven future, Business Analysts need to realign themselves in terms of skills and efficiency with this change.

The staggering number of job opportunities that remained vacant in 2019 in India itself proves the increased skill gap, making it utmost crucial for fresh professionals as well as those who hold the managerial stature to rethink and relearn with the help of upskilling programs.

- ▶ According to the World Economic Forum, by 2022, 85% of companies will have adopted Big Data and Analytics technologies
- ▶ Over the last 5 years, almost 90% of all organizations have incorporated Analytics in their business functions
- ▶ 54% of the working population need significant reskilling & upskilling: a report by BA Times
- ▶ 97,000 analytics jobs were vacant in 2019: The New Indian Express



# About the program and the key facts

Amid a constant demand and an ever-increasing focus on developing new insights and understanding of business performance based on the data and statistical analysis, IIM Indore has launched a 10-month Integrated Program in Business Analytics (IPBA) in collaboration with Jigsaw Academy. The program is **Ranked #1 among the 'Top Part-time PG Programmes In India' by Analytics India Magazine in 2020**. In a first of its kind initiative, **this learning partnership will bring to working professionals an unparalleled and flexible learning experience**. It has been carefully designed with extensive live online classes and comprehensively

covers Data Science, Statistical Modeling, Business Analytics, Visualization, Big Data and Machine Learning so that **learners can become data-proficient Future Leaders**.

For professionals who are interested in building careers in data science with a strong background and context in business, the IPBA will equip you with a fundamental understanding of both. They will also get a great opportunity to learn from award-winning faculty from IIM Indore and Jigsaw Academy, interact with business leaders and benefit from the IIM network and work with the complex data sets using Python & R.

## About the program - IPBA in a snapshot

- ▶ Program designed and delivered by best minds from **IIM-Indore & Jigsaw Academy**
- ▶ **Ranked #1** among the Top Part-time PG Programmes In India - 2020
- ▶ **IIM Indore Executive Alumni Status**
- ▶ Guest lectures by **highly experienced industry experts**
- ▶ Effective understanding and retention of the knowledge through **self-assessment quizzes & assignments**
- ▶ **Bring Your Own Project (BYOP)** for hands-on learning practice
- ▶ Concept covered with the help of **case studies throughout the course**
- ▶ **22 Months Access** to Jigsaw Academy's Learning Management System Content
- ▶ **Campus Connect**
- ▶ **Access to e-content of the IIM Indore Library**

# The Curriculum

The Integrated Program in Business Analytics (IPBA) curriculum is designed to be a comprehensive program covering technical and business aspects of the application of analytics and data science. It starts by laying a strong foundation of essential tools and techniques including descriptive and inferential statistics, data extraction and manipulation with SQL, data manipulation and processing with Python and R and data visualization with Tableau. Students will also have access to Tableau's cutting-edge visual

analytics software for free while enrolled in the program for study and practice purposes, through Tableau's Global Academic Program.

The bulk of the program builds on this foundation by extending the analysis capabilities to predictive models using statistical modeling and machine learning, and covering data types that are both traditional and structured, to more unstructured types including text and images.



Data Handling and Extraction with SQL and Python



Predictive Statistical Modeling Algorithms



Data Visualization with Tableau and Python



Machine Learning Models on Text and Images



Statistical Data Analysis with Excel, Python & R



Implementing Algorithms at Scale with Big Data Systems



Feature Engineering with Python for Structured and Unstructured Data Types



Generating Business Values and Effective Storytelling



# Learning Outcomes of the Program

- ▶ **Identify and describe complex business problems** in terms of analytical models
- ▶ Apply appropriate **analytical methods to find solutions to business problems** that achieve stated objective
- ▶ Translate the results of **business analytic projects into effective courses of action**
- ▶ Demonstrate **data-driven intelligent decision-making** in structured or unstructured and ambiguous situations.
- ▶ Build and enhance **business analytics capabilities by adapting the appropriate technology** and software solutions



## Become a Future Leader with **Jigsaw Academy's IPBA**

The Integrated Program in Business Analytics (IPBA) is the most up to date and robust program in business analytics. The program through its bottom-up approach enables business leaders and aspiring managers to grasp core concepts of business analytics. After successfully completing this 10-month online course, you will be able to:

- ▶ **Work** in a data-driven organization
- ▶ **Solve** real business challenges using business analytics
- ▶ **Take** agile, data & facts-driven business decisions
- ▶ **Lead** your organization in establishing analytics and data science verticals and practices

# Faculty

The faculty for the IPBA consisting of expert professors from IIM Indore and the experienced professionals from Jigsaw Academy are truly world class with vast experience in the business analytics domain.



**Shubhamoy Dey**  
Faculty, IIM Indore



**Harshal Lowalekar**  
Faculty, IIM Indore



**Pritam Ranjan**  
Program Co-ordinator  
(IPBA), IIM Indore



**Saurabh Kumar**  
Faculty, IIM Indore



**Prabin Kumar Panigrahi**  
Faculty  
IIM Indore



**Dr. Bhavin J. Shah**  
Faculty  
IIM Indore



**Vinaysingh Chawan**  
Faculty  
IIM Indore



**Sarita Digumarti**  
COO & Co-Founder,  
Jigsaw Academy



**Jitendra Manwani**  
Program Director,  
Jigsaw Academy



**Kamal Das**  
VP - Operations,  
Jigsaw Academy

# Jigsaw Academy's **Success Statistics**

**34%**

Average percentage of salary hikes received by Jigsaw students

**15.3 Lakhs**

Highest salary earned by a Jigsaw alum with less than 3 years of experience

**78%**

Percentage of Jigsaw students who have successfully moved to a career in analytics

**2500+**

Number of companies that hire Jigsaw graduates

**3000+**

Job postings on the Jigsaw career board in 2019



**The Integrated Program in Business Analytics (IPBA) extends 'recruitment-readiness' assistance to all students, including:**

- ▶ Preparatory interviews with industry professionals
- ▶ Networking events at IIM Indore
- ▶ Industry guest lectures
- ▶ Analytics question bank
- ▶ Resume assistance

**Note:** For students with more than 5+ years of experience, it will be more relevant to identify opportunities that leverage their past domain experience.

## Testimonials



For someone like me who isn't in India, I found the IPBA program is very suitable because of the live online classes. They are very rich in content and are delivered by prestigious IIM Indore faculty and Jigsaw Academy. Inclusion of case studies related to real-world problems were a good exposure for me.

### Srinu Goruputi

Senior Lead Software Developer at CenturyLink

Since the IPBA course has an online mode of training, it gives working professionals like me the flexibility to keep up with the pace with the rest of the class. Further, the time spent in IIM campus for 2 days for classroom learning is really impressive. I am very happy with the teaching methodology and the course content covered.



### Rahul Jain

Business Analyst at American Express



The Integrated Program in Business Analytics course by Jigsaw Academy is an excellent course for budding Data Scientists who are completely novice like me in the world of data analytics. The program is a combination of IIM Indore on-campus sessions and weekend online classes. It provides an excellent platform for students to interact and network with faculty and peers from different fields with similar interests as well as develop a good understanding of the basics of data analytics.

### Ramesh Rajan

Vice President at JP Morgan Chase

By being in the IT industry for more than 6+ years, I realized that there is a crucial demand for customer-centric products and services. Business Analytics has helped me achieve the skills required to design & build customer-focused products. I can now develop applications, processes, reports, dashboards, etc., keeping in mind the end-users' perspective & ultimately enriching the customer's satisfaction & experience.

## **Ritoshuvro Banerjee**

Former Senior Business Analyst at Evergent Inc.



# About **Jigsaw Academy**

Upskilling to emerging technologies has become the need of the hour, with technological changes shaping the career landscape. Jigsaw Academy offers programs in data science & emerging technologies to help you upskill, stay relevant & get noticed. The domain experts & educators at Jigsaw Academy offer meticulously structured courses with industry relevant curricula. The domain experts here offer meticulously structured courses to help train professionals in the areas of Analytics, Data Science, Machine Learning, Big Data, Business Analytics, Cyber Security & Cloud Computing, to name but a few.

- ▶ Recognized as the **No.1 institute for data science training** in 2019, 2018, 2017, 2016, 2014 and 2013
- ▶ Awarded the prestigious “**Partner of Excellence Award 2019**” by NASSCOM
- ▶ **400+ years** of combined teaching experience
- ▶ 3000+ companies with Jigsaw Academy students **1M+ hours of learning content viewed**
- ▶ **Learning partners** - IIM Indore, Manipal Academy of Higher Education, HackerU Israel





## About **Indian Institute of Management, Indore**

Established in 1996, Indian Institute of Management Indore has been a leader in the field of management education, interfacing with the industry, government and PSUs. It is promoted and nurtured by the Ministry of Human Resource Development, Government of India and is an institute of national importance under the Indian Institutes of Management Act 2017.

IIM Indore seeks to be a contextually-relevant business school with world-class academic standards that develops socially-conscious managers, leaders and entrepreneurs.

In recent times, IIM Indore has bagged the Fifth Rank (5th Rank) in the National Institute Ranking Framework (NIRF) announced by the Ministry of Human Resource Development (MHRD), Government of India on April 08, 2019.

## How to **Apply**

The Integrated Program in Business Analytics (IPBA) has the following eligibility criteria:

1. 50% in Bachelor's Degree or its equivalent in any discipline.
2. A valid GMAT / CAT / GRE / Jigsaw Administered Test score. The score should be within 5 years on the date of submission of application. For example, a candidate submitting application on 10 October 2018, should have taken the GMAT test between 11 October 2013 to 10 October 2018.
3. The program is open to all nationalities.

### **Program fees**

The payment of the program fee is applicable through a Cheque, DD, Net Banking, Credit or Debit Cards. For information on easy payments please contact our admissions office at +91 90199 87000.

## The Program Structure

Format: **Online Live Sessions**

Duration: **10 months**

Tools: **Python, R, Tableau, SQL, PySpark, Big Data**

Learning Centre access: **22 months**

Benefits: **IIM Indore Executive Alumni Status**

# IIM Indore's

## Integrated Program in Business Analytics (IPBA)

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### For Student Counseling and Assistance

Phone: +91 90199 87000

Email: [ipba@iimidr.ac.in](mailto:ipba@iimidr.ac.in)

To learn more visit

[www.jigsawacademy.com/integrated-program-in-business-analytics](http://www.jigsawacademy.com/integrated-program-in-business-analytics)



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