



Dr D Y Patil Pratishthan's
DR D Y PATIL INSTITUTE OF MANAGEMENT STUDIES (DYPIMS)
& D Y Patil Education and Research Foundation,
Supported by IACSD



CERTIFICATION PROGRAM IN DATA SCIENCE

Duration
6 Months
(330 Hours)

Time
10:00 AM To 01:00 PM
02:00 PM To 05:00 PM

Weekend Batch
Saturdays &
Sundays

Program Starts from July 27th, 2025

Duration - Total 330 Hours

Address : DR D Y PATIL INSTITUTE OF MANAGEMENT STUDIES,
Sector 29, Behind Akurdi Railway Station, Akurdi, Pune – 411044

Overview

Dr D Y Patil Pratishthan is a charitable trust engaged in education for the last 40 years. It has excellent educational complexes in Mumbai, Pune and Kolhapur, imparting quality education from kindergarten to post graduation. More than 100,000 students are undergoing education in different disciplines backed by around 5,000 well-qualified staff.

About DYPIMS

Dr D Y Patil Institute of Management Studies is one of the illustrious galaxies of educational endeavours of Dr D Y Patil Pratishthan and is amongst the premier Management Institutes. The Institute is housed in a spacious and plush building located at Akurdi, a suburb of the mega industrial township of Pimpri-Chinchwad. DYPIMS is affiliated with Savitribai Phule Pune University, approved by AICTE, and recognized by the Government of Maharashtra. It offers full-time MBA program of 2 years. MBA program of DYPIMS has been accredited by National Board of Accreditation, New Delhi (NBA) for the period of 2024 to 2027. The Institute was also accredited by National Assessment and Accreditation Council (NAAC) with 'A' grade from 2015 to 2020.



About DYPERF

Dr D Y Patil Education and Research Foundation (DYPERF) is one of the constituents of D Y Patil Group which was established in 2018 and currently offers short term technical as well as management courses for Graduates and Undergraduates in various domains such as Data Analytics, Artificial Intelligence & Machine Learning, Big Data, Microsoft Technologies, Java technologies, Cyber Security, Financial Analysis using Excel, Digital Marketing etc.



About IACSD

IACSD Akurdi, Pune is an authorized training centre of the Centre for Development of Advanced Computing Advanced Computing Training School (C-DAC ACTS) Pune. C-DAC is a premier R&D organization of the Ministry of Electronics and Information Technology (MeitY). Advanced Computing Training School (ACTS) is the training division of C-DAC, offering a wide range of PG Diploma courses and certification programs to empower individuals with



skills in emerging technologies and promotes a culture of continuous learning. IACSD offers PG Diploma courses of C-DAC ACTS such as Post Graduate Diploma in Advanced Computing (PG-DAC), Post Graduate Diploma in Big Data Analytics (PG-DBDA) & Post Graduate Diploma in IT Infrastructure, Systems & Security (PG-DITISS). The Institute also conducts PreCAT, a preparatory course for students aspiring to become software professionals. IACSD is one of the top-ranked C-DAC institutes offering PG Diploma Courses and Corporate Training in the domains of Application Development, Data Analytics, Data Science, Networking, and System Security.

About the Certification Program

The certification program will empower aspirants who would like to pursue their career as Data Analyst, Data Engineer, BI Engineer, Cloud Engineer, Researcher or Business Analyst and Data Visualization specialists. The program has been designed to enhance the theoretical and conceptual knowledge and also the analytical aptitude for those who are inclined to make their career in Data Analytics, Data Science and Data Visualization in different business sectors. Participants will learn how to read, manipulate, and analyze data, as well as how to visualize their findings using various charts and graphs. By the end of the program, participants will have a strong foundation in Python Programming, Data Visualization and Data Analytics, enabling them to apply their new found knowledge to real-world problems.



The Certification program ensures complete training & career grooming with the involvement of multiple experts at the level of mutual research interests and customer related projects which will ensure a good career road map. Post completion of the course, students will be able to perform critical tasks in the field of Data Science, Data Analytics, Big Data, Python programming and creating dashboards. The program will

also ensure exposure to Machine Learning and applications in Artificial Intelligence using tools and case studies. The course will also provide an understanding of key concepts in Cloud, R programming, and Big Data, enabling participants to become full-time data analysts or data engineers.

Learning Objectives

The broad objectives will be mainly to explore the power of data and data analysis to develop better understanding by the participants. Learn about business intelligence, data-driven decision making, data collection methods, discovery, and interpretation, as well as how to structure, assess, and transform data using core functions in Excel and Power BI/Tableau. Discover how data scientists use programming languages such as R, Python and SQL. Assess the role of mathematics, such as Algebra in Data Science. Assess the role of applied statistics, such as confidence intervals in data science. Assess the role of machine learning, such as artificial neural networks, in data science. Gather insights from Experts on modelling, visualization, and mapping out in the job market as an early-career analyst. Assess the importance of cloud in the field of data storage.

Who Should Join?

The program is very suitable for Postgraduate (MBA) who are specializing in Business Analytics, IT Graduates and who would like to pursue their career in Data Science domain. Ideal for Engineers, Graduates, Professionals, Faculty and Students who want to pursue their career in Data Analysis, Business Intelligence, Business Analytics, Data Visualization, Data Engineering, Cloud engineering, Data Science and AI.

The program is suitable for PhD Scholars, Statisticians & Mathematicians

Program Structure

Faculty /Expert trainers will conduct live sessions every weekend on Sat / Sun.

We will make provision for session recordings which can be used to revisit the sessions and revise.

Live Discussion rounds with Faculty / Trainers / Mentors and peers for doubt resolution.

Project Support: Capstone Project (Mentor Mind); Hybrid Sessions(Optional): Offline practice workshop
Assignments & Tests: Regular assessments for progress tracking

Program Schedule Module wise

Module No.	Modules	Hours
Module 1	Excel and Advance Excel	18 Hours
Module 2	Statistics Essential and Advance Analytics using R	40 Hours
Module 3	Database Technologies	48 Hours
Module 4	Linux and Cloud Computing	36 Hours
Module 5	Core and Advanced Python	66 Hours
Module 6	Machine Learning	15 Hours
Module 7	Deep Learning	12 Hours
Module 8	NLP, LLM, ChatGPT, LANG CHAIN	12 Hours
Module 9	Big Data	12 Hours
Module 10	Visualization using Power BI	18 Hours
Module 11	Visualization using Tableau	18 Hours
Module 12	Web Scrapping	12 Hours
Module 13	Quantitative Aptitude	20 Hours
Module 14	Communicative English and Preparation for Interviews	15 Hours
Capstone Project		4-6 weeks

Tools Covered in the Course

C & C++, Python, MySQL, ChatGPT, R, Tableau, Power BI, Ms Excel, Hadoop, Sparx, Linux, AWS / Azure, Oracle.

Course Evaluation :

The program will be having regular assignments and class tests with quiz to monitor the progress. At the end of the course, participants will have to clear the final evaluation exam.

Program Highlights

The syllabus comprises 14 comprehensive modules, complete with assignments, industry-aligned projects, placement support, a hybrid learning option, practice sessions, detailed study materials, and access to session recordings.

Career Coaching and Workshop

Experienced career coaches will work closely with you to

- Identify the most suitable career opportunities aligned with your strengths and aspirations
- Define and articulate your unique value proposition
- Outline a clear career path, helping you stay on track with your goals and timelines
- Support you with interview preparation, job search strategies, salary negotiations, and other essential readiness activities

Technical Expert Sessions

The sessions will focus on the advanced technologies and few use cases for better understanding

Placement Assistance & Career Guidance

We offer 100% placement assistance, providing end-to-end support to help you secure job opportunities aligned with your skills and career goals

Course & Payment Details

Start Date	: 27 th July 2025
End Date	: 22 nd Feb 2026
Duration	: 6 Months (330 hours)
Class Days	: Saturday & Sunday
Session Time	: 10:00 AM to 01:00 PM & 02:00 PM to 05:00 PM
Fee	: INR 26,000 + 18% GST
Mode	: Online (Zoom Platform)

Mode of Payment

BANK NAME	: HDFC BANK
A/C NO	: 50100136437400
IFSC CODE	: HDFC0000007
ACCOUNT NAME	: DRD YPATIL EDUCATION AND RESEARCH FOUNDATION

Link for registration : <http://forms.gle/zuZCVMv2YFAEja797>



For more details :- Call : 9699050370, Email : dypimsanalytics@gmail.com

TRAINERS



Dr. Lalit Prasad
18+ Years of Experience
Expert - Advanced Analytics



Dr. Shantanu Pathak
Ph.D. in Machine Learning
Expert - Python,
Machine & Deep learning



Dr. Priyanka Mishra
17+ Years of Experience
Expert in Excel,
Advanced Analytics



Mr. Narendra Pawar
MCM
20+ Years of Experience
Expert in Database Technologies,
Web Technologies, Java



Mr. Amit Rohra
M.Sc. (Maths)
17+ Years of Experience
Expert in Aptitude
Training and Reasoning



Mr. Somnath Hadalgekar
14+ Years of Experience
Expert in Advanced Excel



Mrs. Priti Take
M.Sc. (Computer Science)
Expert in Python, Linux and
Database Technologies and
Data Visualization Tools



Mr. Manav B
17+ Years of Experience
Python and Web
Scrapping



Mrs. Sushma Hattarki
M.E (E&TC)
Having 6+ Years of Experience
in Networking. Certified
CCNA, MCSE

INDUSTRY EXPERT PANEL



Mr. Sanjay Patwardhan
Big Data DW / BI
Data Science and
Analytics Evangelist



Mr. Mukund Mishra
Big Data and
Data Science Expert



Mr. Nilesh Deshmukh
Sr. Consultant,
Data Engineering and AI



Mr. Santanu Chatterjee
Corporate Trainer and
Consultant in
Data Science/AI



Mrs. Mallika Iyer
Corporate
Communication Coach



Mr. Akshay Tilekar
Machine Learning Lead
Norstella

HIRING PARTNERS



Chief Patron

Dr. Bharat Chavan Patil
Executive Director, DYPIMS

Patrons

Mrs. Supriya P. Patil
Trustee, DYPERF

Dr. Shweta Chavan Patil
Managing Director, DYPIMS

Chairperson
Dr Lalit Prasad
I/C Director, DYPIMS

Program Director
Mr. Keshav Kumar
Assistant Professor, DYPIMS



CONTACT US

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