



Dr D Y Patil Pratishthan's
Institute for Advanced Computing and Software Development (IACSD)
&
Dr D Y Patil Institute of Management Studies (DYPIMS)
Akurdi Pune



CERTIFICATION PROGRAM IN DATA SCIENCE

Duration
6 Months
(300 Hours)

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

Weekend Batch
Saturdays &
Sundays

Program Starts From, 29th July, 2023

**Address : Institute For Advanced Computing & Software Development, 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. Pratishthan has excellent educational complexes in Mumbai, Pune and Kolhapur, imparting quality education from kindergarten to post graduation. More than 50,000 students are undergoing education in different disciplines backed by around 3,000 well-qualified staff.

Institute for Advanced Computing and Software Development (IACSD)

IACSD Akurdi is an ATC of Centre for Development of Advanced Computing (C-DAC ACTS) Pune. CDAC 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 CDAC, offering a wide range of PG Diploma courses and certification programs to empower individuals with skills in emerging technologies and promote a culture of continuous learning. The Centre for Development of Advanced Computing (CDAC) acts as a premier research and development organization in India, specializing in advanced computing technologies.

IACSD Akurdi is an esteemed computer training institute providing a wide range of courses in data science, software development, Java technologies, data analytics, and more. With a strong emphasis on practical training, IACSD Akurdi equips students with the necessary skills to excel in the IT industry. The institute boasts a team of experienced faculty members who provide comprehensive guidance and mentorship to students. Its state-of-the-art infrastructure and well-equipped labs create a conducive learning environment for aspiring IT professionals. IACSD Akurdi has earned a reputation for producing skilled graduates who are sought after by top companies in the industry.

IACSD offers PG Diploma courses of CDAC 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.



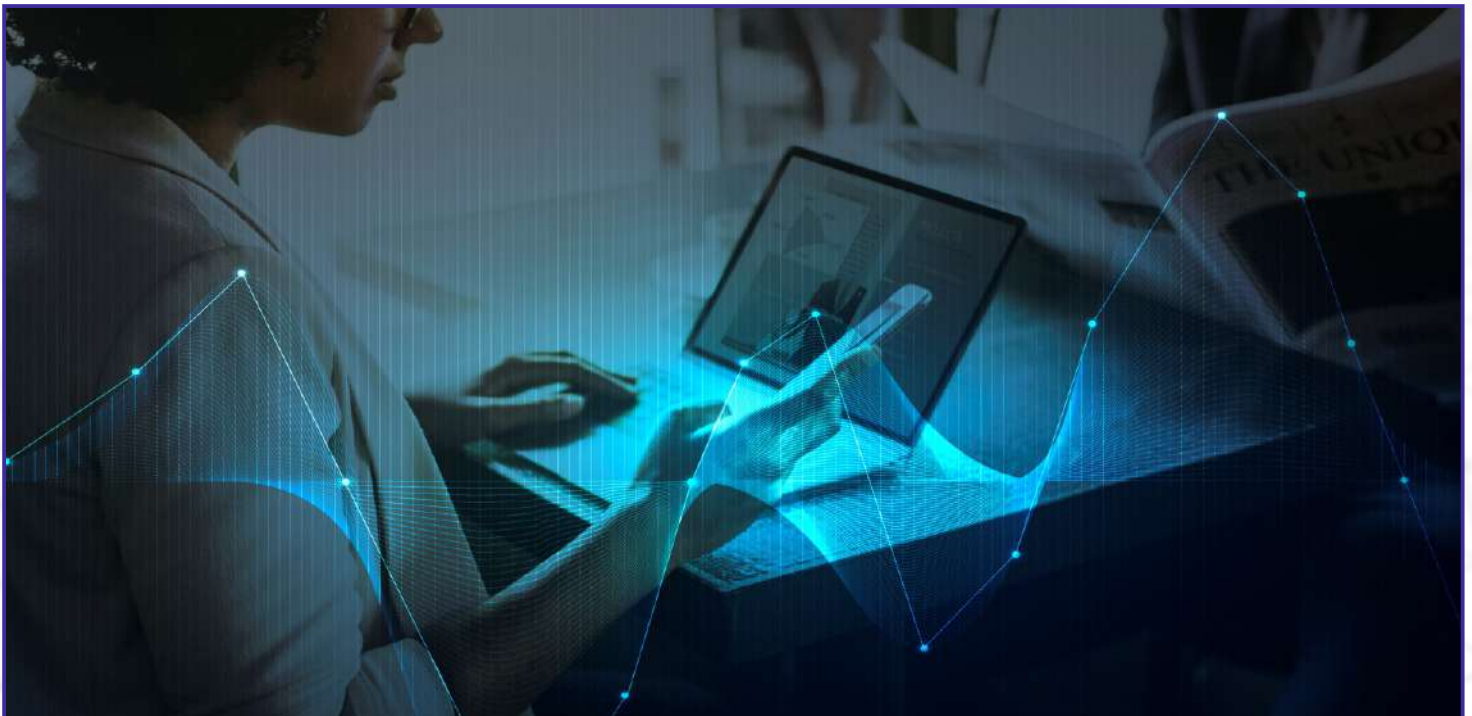
About DYPIMS

Dr. D. Y. Patil Institute of Management Studies (DYPIMS) is one of the illustrious galaxies of educational endeavors 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. Manufacturing majors like Tata Motors, Bajaj Auto, Force Motors, Kinetic engineering, Sandvik Asia etc. rub shoulders with software giants like Infosys, Wipro, Tata technologies, Kanbay Software etc. in the Pune - Pimpri - Chinchwad twin cities. DYPIMS is affiliated to Savitribai Phule Pune University, approved by AICTE, and recognized by the Government of Maharashtra. It offers a full-time MBA program of 2 years. MBA program of DYPIMS is accredited up to 30th June 2024 by National Board of Accreditation, New Delhi (NBA). Previously the MBA program was also accredited by NBA for the period of 2012 to 2015. The Institute was also accredited by National Assessment and Accreditation Council (NAAC) with 'A' grade for the period of 2015 to 2020.



About the Certification Program in Data Science

The certification program will empower aspirants who would like to pursue their career in the domain of Data Analytics, Data Visualization as Data Engineer, BI Engineer Data Scientist and Researcher, Business Analysts and Data Visualization specialists. The program has been designed to enhance the theoretical and conceptual knowledge also the analytical aptitude for those who are inclined to make their career in data analytics, data science and 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 course participants will have a strong foundation in Python programming and data analytics, enabling them to apply their newfound knowledge to real-world problems. The program ensures proper training & 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 dash boarding. The program will also ensure exposure to Machine Learning and applications in Artificial Intelligence using tools and case studies. The course will also provide understanding to key concepts of Data Science and Analytics for participants to become a full-time data analyst or a data scientist



Learning Objectives

The broad objectives will be mainly to explore the power of data and data analysis to develop a better understanding. 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. 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 modeling, visualization, and mapping out in the job market as an early-career analyst.

Who Should Join ?

The program is very suitable for Postgraduate (MBA) who is specializing in Business Analytics, Graduates 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 as Data Analytics, Business Intelligence, Business Analytics, Data Visualization, Data Engineering, Data Science and AI.

Modules of Data Science Program

MODULE NO.	MODULES	HOURS
Module 1	Excel and Advance Excel	15 Hours
Module 2	Statistics Essentials and Advance Analytics using R	40 Hours
Module 3	Database Technologies	50 Hours
Module 4	Core and Advanced Python	70 Hours
Module 5	Machine Learning	15 Hours
Module 6	Deep Learning	10 Hours
Module 7	Natural Language Processing (NLP)	10 Hours
Module 8	Big Data	10 Hours
Capstone Project		4-6 weeks
Module 9	Visualization using Power BI	20 Hours
Module 10	Visualization using Tableau	10 Hours
Module 11	Web Scrapping	10 Hours
Module 12	Quantitative Aptitude	20 Hours
Module 13	Communicative English and Preparation for Interviews	20 Hours

Course Delivery

The course will be delivered in hybrid mode. All the sessions will be conducted virtually on Zoom platform. After each module a revision session will be arranged in physical mode. Regular expert sessions will also be arranged for the students on related topics.

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.

Course Fees

Course Fees Rs. (25000 + GST) / Payable fee - Rs 29,500/-

Participants can take up selective modules also as per their choice:

- A) Course Fees Python : Rs 7000
- B) Data Base : Rs 4000
- C) Data Visualization : Rs 4000
- D) Statistics and Advance Analytics : Rs 4000

(Note : Each one gets access to excel session as bonus.)

Placements Assistance

All the successful and eligible students will be provided with 100% placements assistance in companies across India.

Fees Concession / Discounts

Group Discount of 20% (Min 4 students)

Mode of Payment

The Registration fee should be paid through the following details.

Bank Name : HDFC Bank
Account No. : 50100114421228
IFSC Code : HDFC0000007
Account Holder Name : Institute for Advanced Computing & Software Development
Phonepe : 9890081170

Link for Registration : <https://bit.ly/CertificationPrograminDataScience>



Trainers for the Program



Dr. Lalit Prasad

15+ Years of Experience

Expert - Advanced Analytics



Dr. Shantanu Pathak

Ph.D. in Computer

Expert - Python,
Machine & Deep learning



Dr. Priyanka Mishra

15+ Years of Experience

Expert in Excel &
Advanced Analytics



Dr. JahanAara Pathan

20+ years of experience

Corporate Trainer and
Facilitator with expertise in
Management,
and Student development .



Mr. Narendra Pawar

MCM 12+ years in C, C++,
Database Technologies,
Web Technologies, Java



Mr. Amit Rohra

M.Sc.(Maths)

15+ years of experience

Expert in Aptitude
Training AND Reasoning



Mr. Somnath Hadalgekar

12+ Years of Experience

Expert in Advance Excel



Mrs. Priti Take

Msc (Computer Science)

Expert in Python, Linux, and
Database Technologies and
Data Visualization Tools



Mr. Manav B

15+ years of experience

Python and Web
Scrapping

Industry Expert Panel



Mr Sanjay P
Director, Cybage



Mr Mukund Mishra
Big Data and NLP



Mr Nilesh D
Director, Gradmener



Mr Akshay T
Sr Data Scientist Dataxle



Mr Manish S
Data Expert, ChainSys



Mr. Keshav Kumar
Program Director

Alumni's Speak: First Batch

Navnath Gaikwad & Rehan Jirait with Edgematics as Data Engineer

Special thanks to all the faculty and Placement Cell of IACSD, Institute of Advance Computing and Software Development, Pune for providing this opportunity.

Hiring Partners



Chief Patron

Dr Bharat Chavan Patil

Executive Director , DYPIMS

Chairperson

Dr Kuldip Charak

Director, DYPIMS

Contact Us

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