WACP

WORLD ACADEMY™
OF CAREER
PROGRAMMES

FV FUTURE VARSITY

Industry Collaborator

IB CAREER-RELATED PROGRAMME

DATA SCIENCE &
BUSINESS ANALYTICS

INTERNATIONAL
DIPLOMA

+

INTERNATIONAL
ADVANCED DIPLOMA

WHERE PASSION MEETS PROFESSION

About

World Academy of Career Programmes (WACP) is an educational research organization which offer K12 based career related courses in multiple academic streams related to new age careers. Our association with prominent schools and higher educational institutions & universities provide students with a structured pathway to specialized qualifications in these streams.

WACP commands a robust network within the industry and thereby offers unmatched practical training, internships and placements. We are passionate about offering the right blend of practical knowledge and experience, creating a truly futuristic curriculum aimed at producing highly skilled individuals and a launch pad for entrepreneurs. Our core team of progressive leaders along with our experienced faculty and competent operations, lead us towards growth and excellence.

About

Future Varsity is an institute dedicated to developing highly trained professionals in the field of business administration and general management. With the focused aim of creating professionally, academically and ethically sound managers and executives, Future Varsity contributes to this burgeoning space in the world.

Future Varsity recognized the need for accelerating formalised education through collaborations with recognised University, colleges & institutions. Formal education in business administration equips candidates with knowledge & skills that help in running a business and dealing with entrepreneurship challenges. Identifying the need for experts in the industry, Future Varsity instils its students with basic and advanced theories and techniques in the discipline of goal setting, strategic planning, marketing, public relations, finance, leadership, decision making, analytics, law etc. related to the business environment.

DATA SCIENCE & BUSINESS ANALYTICS INDUSTRY

The place to be!!

Data Science and Business analytics are one of the most sought after specializations in today's marketplace. The advent of digitalization has led organizations to generating vast amounts of data which, in turn, has heightened the need for professionals who know how to interpret and analyze that information. Companies worldwide are using data to boost process and cost efficiency, Drive strategy and monitor and improve financial performance.

EVOLVING INDUSTRY

The extraordinary amount of information and data that is generated in today's marketplace has created a surge in the need of professionals who can analyze and interpret it to make informed decisions.

RISING DEMAND FOR PROFESSIONALS

The industry is always in need of smart and intellectual professionals who are able to analyze and interpret large amounts of data, dissect it and be able to guide key stakeholders on existing and future trends. This is one of the most lucrative roles and sky is the limit for those who have a flair for it.

DIVERSE CAREER OPTIONS

The industry offers opportunities to students of all personalities, leadership skills and domain specializations. Students may pursue lucrative positions in areas of Analytics, Big data, Research, strategy, among a host of many other options.

IDEAL FOR GO-GETTERS

Out-of-the-box thinking, analytical & computational abilities, and a creative spark are the three things that makes a good business analytics manager and if these three qualities fit your profile, you're on the right path!

IB CAREER-RELATED PROGRAMME

DATA SCIENCE & BUSINESS ANALYTICS MANAGEMENT

INTERNATIONAL DIPLOMA

+

INTERNATIONAL ADVANCED DIPLOMA

WACP offers a combination of two qualifications in Data Science & Business Analytics – Career Related Study. These are International Diploma and International Advanced Diploma of 11 months each. Both courses together provide a broad overview of the industry and is designed to develop skills and knowledge sufficient to allow participants to play a significant role in data analytics, analytical tools & software, forecast & projections, strategy and information-based decision making. The courses provide an avenue for students to gain theoretical and practical skills needed to operate within the competitive landscape of the industry.

COURSE **AIMS**

The International Diploma and International Advanced Diploma in Data Science and Business Analytics are suitable for IBCP students wanting to pursue their CRS course in Analytics. They aim to strengthen their understanding of the subject and achieve incremental knowledge and specialisation between the two qualifications. These courses provide theories, models and practical case studies to manage the information and market intelligence side of an organization. Students get comprehensive insights into managing large data, Python, R analytical tools, descriptive, predictive and prescriptive analysis, research, information-based decision making.

IB CAREER-RELATED PROGRAMME

DATA SCIENCE & BUSINESS ANALYTICS

INTERNATIONAL DIPLOMA

+

INTERNATIONAL ADVANCED DIPLOMA

COURSE **STRUCTURE**

DP Subjects

Recommended DP subjects which compliment the CRS Programme

- PHYSICS
- CHEMISTRY
- MATHEMATICS

Core Subjects

- PERSONAL AND PROFESSIONAL SKILLS
- SERVICE LEARNING
- REFLECTIVE PROJECT
- LANGUAGE DEVELOPMENT

IB CAREER-RELATED PROGRAMME
DATA SCIENCE & BUSINESS ANALYTICS

INTERNATIONAL DIPLOMA

+

INTERNATIONAL ADVANCED DIPLOMA

CAREER RELATED STUDY
(720 Guided Learning Hours)

SEMESTER 1

- Introduction to World of Data Science
- Statistics and Numerical Analysis
- Data cleansing
- Graphical representation of data
- Feature engineering
- Introduction to Python
- Network Analysis

SEMESTER 2

- "R" you ready?
- Supervised Machine Learning
- Deep Dive into Statistics
- Probability
- Capstone Project -1

SEMESTER 3

- Black box Techniques:
  SVM & Evaluation Metrics
- Advanced Python for ML
- Unsupervised Learning
- Capstone Project -2

SEMESTER 4

- Introduction to ANN
- Multilayer Perceptron
- Convolutional Neural networks
- RNN-Recurrent Neural Networks
- Autoencoders
- Reinforcement Learning
- Elective
- Final Project

DATA SCIENCE & BUSINESS ANALYTICS

INTERNATIONAL DIPLOMA

+

INTERNATIONAL ADVANCED DIPLOMA

TEACHING AND STRUCTURE

At WACP we are committed to the holistic development of our students to ensure superior outcomes and strong employability prospects. Teaching methodology comprises of classroom sessions, master classes, case studies, practical training, group work and discussions. The approach is to have the right balance of theory, practice and experience. The "Real World Relevance" is vital throughout the programme.

DATA SCIENCE &
BUSINESS ANALYTICS
MANAGEMENT

INTERNATIONAL DIPLOMA

+

INTERNATIONAL ADVANCED DIPLOMA

CLASSROOM SESSIONS

REGULAR LECTURES

To positively impact the perspective of our students, lectures are delivered by our experienced core team of faculty, along with visiting faculty from top Management and Analytical Institutes, and professionals from leading industries.

ASSIGNMENT & PROJECTS

Assignment and projects are a part of our curricula. These provide our students ample opportunities to meet, interact and build relations with popular and experienced individuals in the Industry, under the able guidance of our dedicated faculty.

WORKSHOPS

To keep our students updated with the current affairs in the world of data science, we frequently organize uniquely designed workshops that focus on industry-oriented themes shortlisted by our team of experts.

SIMULATED EVENTS

We have developed an exceptional methodology that helps replicate the process of managing a large data analytics and data management project in real-time. Students are trained to make a data interpretation and present their ideas in the classroom. This exercise gives them an opportunity to experience the rigors of managing large data and analyzing it to meet business challenges.

DATA SCIENCE & BUSINESS ANALYTICS

INTERNATIONAL DIPLOMA

+

INTERNATIONAL ADVANCED DIPLOMA

MASTER CLASSES AND CASE STUDIES

MASTER CLASSES

Master Classes intend to keep students abreast to the latest trends in Data Science, Business Analytics and global think tanks. Guest speakers from various industries share their knowledge and help students gain insights about the industry, governance and managing the dynamics of large data interpretations.

CASE STUDIES

Our curriculum includes the use of case studies in order to highlight various practical and situational issues. The brainstorming and discussions help streamline our student's thought processes and sharpen analytical abilities by exploring, identifying and solving issues.

IB CAREER-RELATED PROGRAMME

DATA SCIENCE &
BUSINESS ANALYTICS

INTERNATIONAL DIPLOMA

+

INTERNATIONAL ADVANCED DIPLOMA

ASSESSMENT

- In line with the WACP commitment to practice-based education, a large part of the assessment will relate to the demonstration of the student's ability to synthesize class room learning with real life scenarios of managing large data projects and analyzing them to project trends and solving business challenges.

- Continuous Assessment process will judge the depth to which the student understands the theory and have developed critical thinking skills which help them evaluate the relevance of what they have learned.

- Students will encounter many different kinds of assessment methods, for example: written exams, written assignments, portfolios, project work, reports, individual or group oral presentations and practical skills assessment. All of which will enable them to gain valuable experience to use within the workplace.

- Students will be expected to complete one assessment per unit.

DATA SCIENCE & BUSINESS ANALYTICS

INTERNATIONAL DIPLOMA

+

INTERNATIONAL ADVANCED DIPLOMA

INNOVATIVE & INTERACTIVE
LEARNING TECHNOLOGY

BYOD PROGRAM

The Bring Your Own Device (BYOD) Program enhances the students' learning experience through the use of online and mobile technologies within and outside the classroom, allowing them to work on course materials, participated in a collaborative learning environment, thus making them tech-savvy.

YOUTUBE BROADCASTING

We broadcast our students' presentations and creations on YouTube; providing them with an opportunity to share their ideas and creations with the world.

PREZI PRESENTATION

This is an inventive and refreshingly unique presentation tool that allows students to express their ideas skilfully and explore their creativity

EDUCATIONAL NEWSLETTERS

Our Educational Newsletters feature our institutes' highlights and students' achievements, and also report latest industry trends, growth and major event.

COMMUNICATION AND COLLABORATION

We provide education on Google Apps. Our students learn to use portals like Webmail Services, Shared Calendars, Hangout and the Drive. G Suite allows our faculty to collaborate with students, give them instant feedback, track individual progress and help students streamline their writing and research.

IB CAREER-RELATED PROGRAMME

DATA SCIENCE &
BUSINESS ANALYTICS

INTERNATIONAL DIPLOMA

+

INTERNATIONAL ADVANCED DIPLOMA

HIGHER EDUCATION

PATHWAY

WACP counsels its students and assists them in planning their higher education journey by linking them with prominent universities worldwide. Upon competition of the IBCP programme with CRS in International Diploma and International Advanced Diploma students can opt for their choice of Undergraduate and Master's degree programmes in Data Science and Business Analytics.

Students can explore higher studies and specialisations. They can aspire to work in a variety of fields, in different capacities. Here is a list of some opportunities:

- **Data Analyst**
- **Data Engineers**
- **Database Administrator**
- **Machine Learning Engineer**
- **Data Scientist**
- **Data Architect**
- **Statistician**
- **Business Analyst**
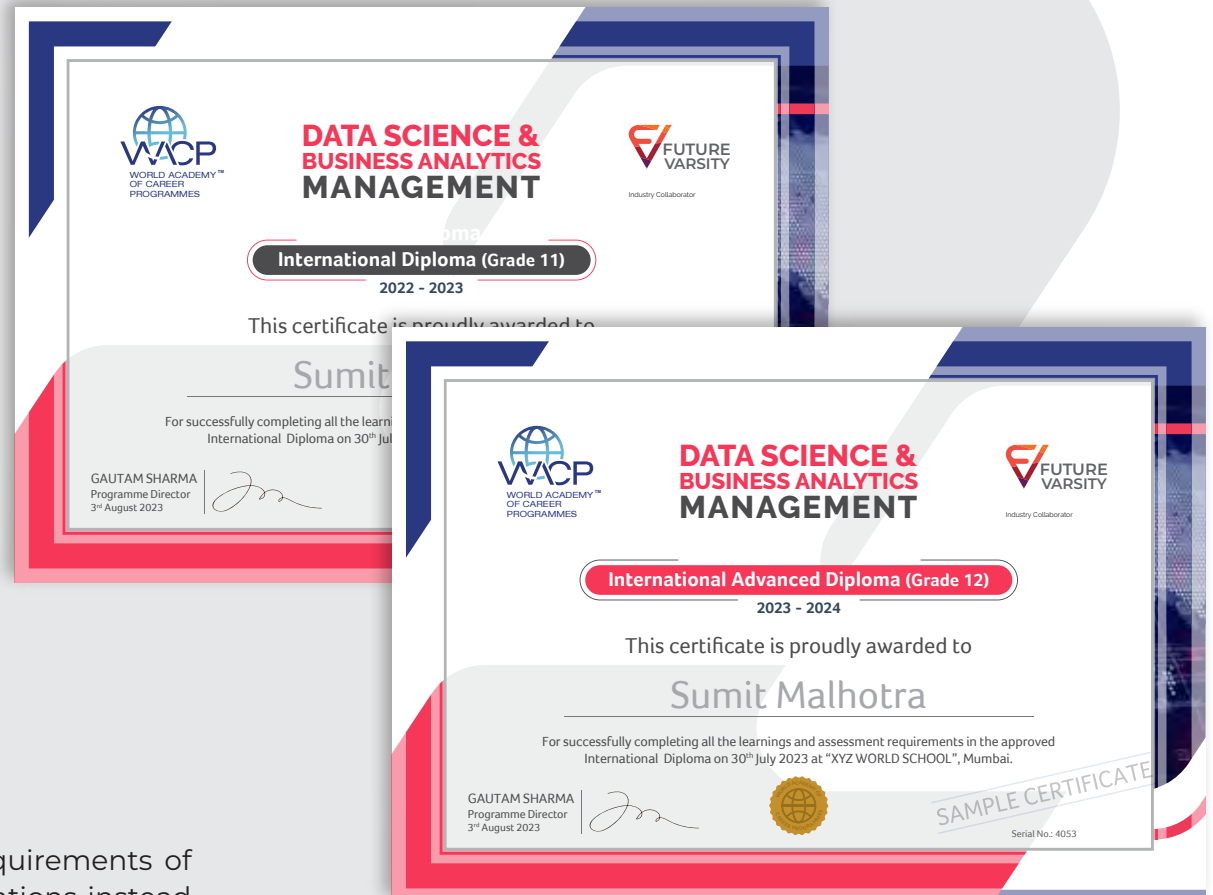- **Data and Analytics Manager**

AND MANY OTHERS

IB CAREER-RELATED PROGRAMME
DATA SCIENCE & BUSINESS ANALYTICS

INTERNATIONAL DIPLOMA

+

INTERNATIONAL ADVANCED DIPLOMA

PROFESSIONAL
CERTIFICATION

The WACP - CRS Certifications are coveted qualifications which recognize outstanding students by substantiating their conduct and professionalism to prospective employers. WACP offers IBCP students counseling in higher education and Internships assistance within a wide range of industries. Academic excellence, dedication, project work, ingenuity and originality of ideas, communication skills coupled with a certain degree of confidence and flair are a few of the requisite attributes necessary to be awarded the WACP-CRS Certifications. It boosts one's academic and resume credentials and gives an added advantage over other candidates in the world.

In some countries due to regulations and requirements of institutions we may offer "Certificate" qualifications instead of "Diploma" qualifications.

WACP
WORLD ACADEMY OF CAREER PROGRAMMES

DATA SCIENCE & BUSINESS ANALYTICS
MANAGEMENT

FUTURE VARSITY
Industry Collaborator

International Diploma (Grade 11)
2022 - 2023

This certificate is proudly awarded to

Sumit

For successfully completing all the learn
International Diploma on 30th Jul

GAUTAM SHARMA
Programme Director
3rd August 2023

WACP
WORLD ACADEMY OF CAREER PROGRAMMES

DATA SCIENCE & BUSINESS ANALYTICS
MANAGEMENT

FUTURE VARSITY
Industry Collaborator

International Advanced Diploma (Grade 12)
2023 - 2024

This certificate is proudly awarded to

Sumit Malhotra

For successfully completing all the learnings and assessment requirements in the approved International Diploma on 30th July 2023 at "XYZ WORLD SCHOOL", Mumbai.

GAUTAM SHARMA
Programme Director
3rd August 2023

SAMPLE CERTIFICATE

Serial No.: 4053

WACP

WORLD ACADEMY™
OF CAREER
PROGRAMMES

FUTURE VARSITY

Industry Collaborator

IB CAREER-RELATED PROGRAMME

DATA SCIENCE & BUSINESS ANALYTICS

INTERNATIONAL DIPLOMA

+

INTERNATIONAL ADVANCED DIPLOMA

WHERE PASSION MEETS PROFESSION