



CAREER PROGRAMMES  
**DATA SCIENCE &  
BUSINESS ANALYTICS**



  
**INTERNATIONAL  
DIPLOMA  
(GRADE 11)**



**INTERNATIONAL  
ADVANCED DIPLOMA  
(GRADE 12)**

WHERE PASSION MEETS PROFESSION



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[www.wacpinternational.org](http://www.wacpinternational.org)





World Academy of Career Programmes (WACP) is an educational research organization that offers career related courses in accounts, Finance, Technology, Healthcare and Design. 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 FV Industry Collaborator

Future Varsity is an institute dedicated to developing highly trained professionals in the field of Data Science & Business Analytics. With the focused aim of creating professionally, academically and ethically sound Data scientists, 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 Data Science & Business Analytics equips candidates with knowledge & skills that help in becoming a Data scientists & help in dealing with those challenges that come with the profession. Identifying the need for experts in the industry, Future Varsity instils its students with basic and advanced theories and techniques in the discipline of Database fundamentals, Statistical Numerical Analysis, Programming Languages & Application of Business Analytics.

## CAREER PROGRAMMES

# 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.

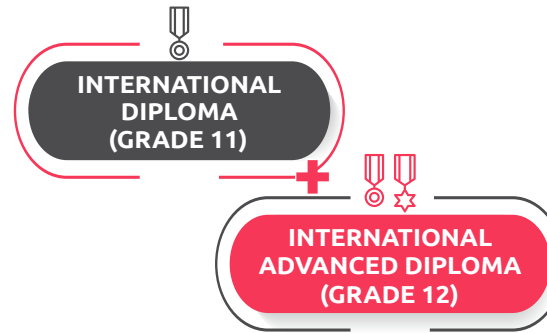


#### IDEAL FOR GO-GETTERS

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!

CAREER PROGRAMMES

# DATA SCIENCE & BUSINESS ANALYTICS MANAGEMENT



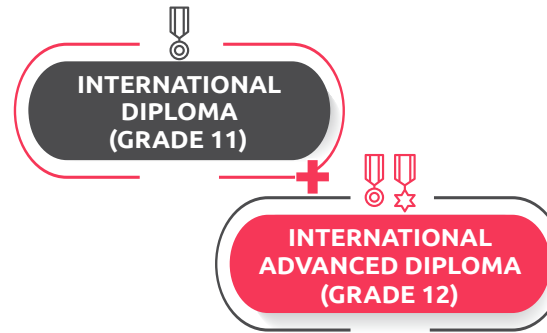
The Diploma in Data Science and Business Analytics prepares you for opportunities and rewarding careers in data science, analytics and related fields. Modern organisations rely on the integration of data science and analytics for sustaining and leading. Businesses and governments rely on using data-led insights to build future strategies for growth and the demand for data science professionals is ever increasing.

This Diploma provides you the skills required in data science, computing, mathematics and business analytics. It also equips you with the soft skills required to become successful experts in the field. The course is designed by industry and academic experts and caters to the latest requirements of the industry and society. Strong theory foundation combined with latest case studies, hands-on projects, simulations and experiments gives you the skills needed for being more competitive and innovative.



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## 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



CAREER PROGRAMMES

# DATA SCIENCE & BUSINESS ANALYTICS

CAREER RELATED STUDY  
(720 Guided Learning Hours)



## GRADE XI

- Introduction to Data Science and Business Analytics
- Database Fundamentals
- Programming fundamentals
- Statistics and Numerical Analysis for Data Science - I
- Data Analysis using Ms Excel
- Data Analytics and Visualization - I
- Programming Languages for Data Science
- Design Thinking
- Data Science Project Life Cycle
- Capstone – I

## GRADE XII

- Machine Learning
- Critical and Creative Thinking
- AI and data science for society and ethics
- Statistics and Numerical Analysis for Data Science - II
- Advanced Database Systems
- Social Media Mining
- Data Analytics and Visualization - II
- The Art of Storytelling
- Applications of Business Analytics in industries (Domain)
- Capstone – II



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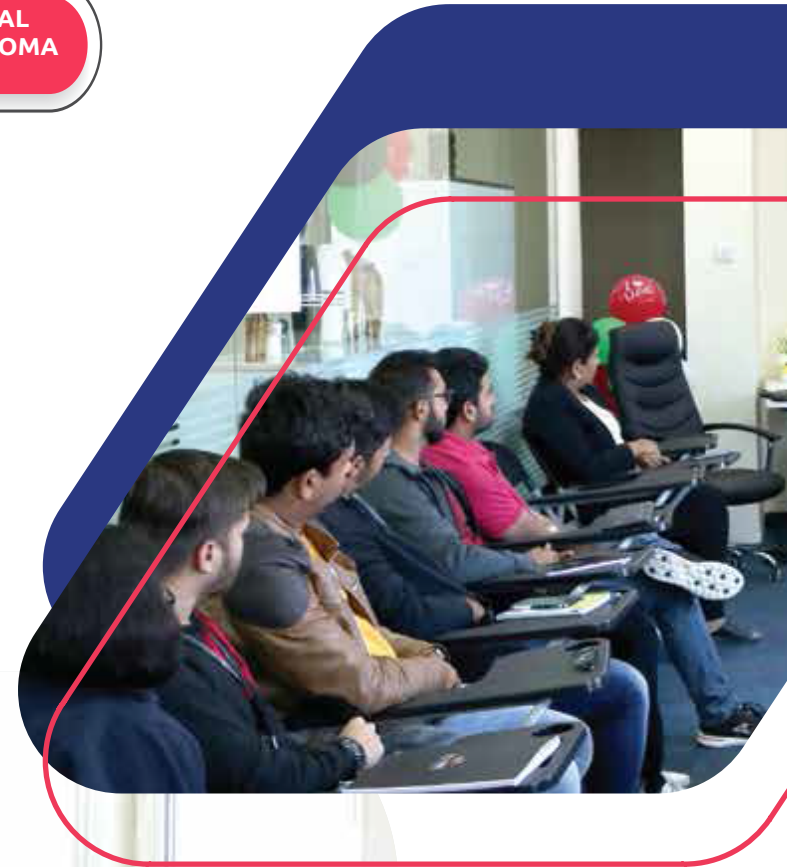
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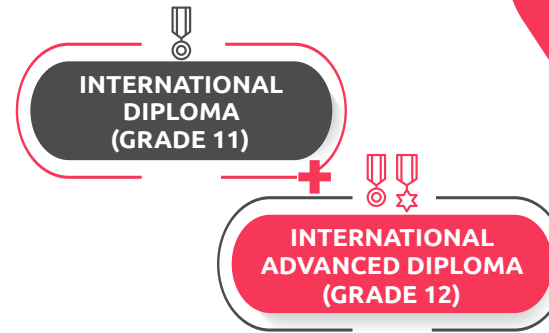
## TEACHING AND STRUCTURE

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.



# CAREER PROGRAMMES

# DATA SCIENCE & BUSINESS ANALYTICS MANAGEMENT



## EXPERIENTIAL LEARNING

### SESSIONS



WACP will provide comprehensive CRS Training to the school faculty.

### 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.

### 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.



### 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.

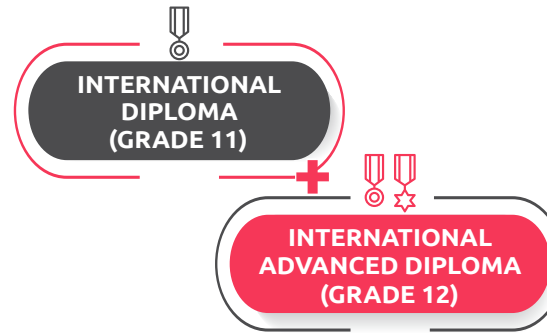
### CASE STUDIES



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.

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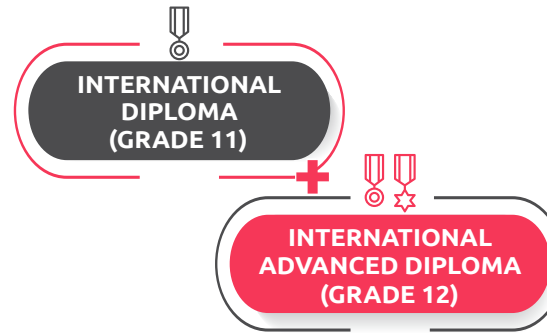
## ASSESSMENT

- WACP CRS has ongoing, continuous assessment, and students will receive Certification only after successful completion of the assignments & assessments.
- In line with WACP Commitment to practice-based education, a large part of the assessment will relate to the demonstration of the student's ability to synthesize classroom learning with real life scenarios of managing and running business.
- 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.
- The CRS will be assessed summatively, end of year assessments will take place in Year 1 & Year 2. It will be externally moderated by WACP.



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## 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 reports latest industry trends, growth and major event.

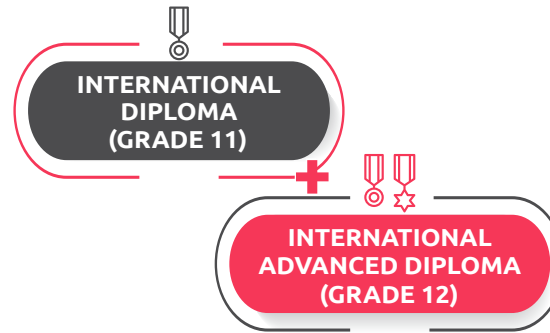


### COMMUNICATION AND COLLABORATION

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.

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## HIGHER EDUCATION

## PATHWAY

WACP counsels its students and assists them in planning their higher education journey by linking them with prominent universities worldwide. Upon completion 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.

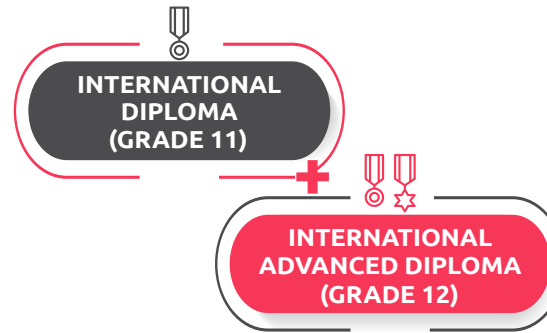
Students can explore higher studies and specialisations. They can aspire to work in a variety of fields, in different capacities. Here is a list of some opportunities:

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

AND MANY OTHERS

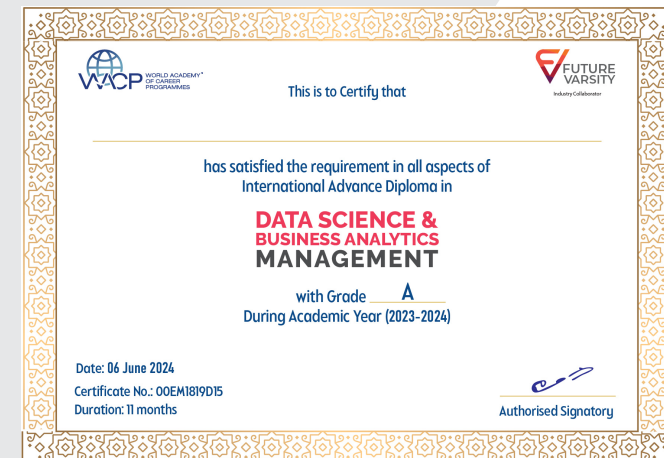
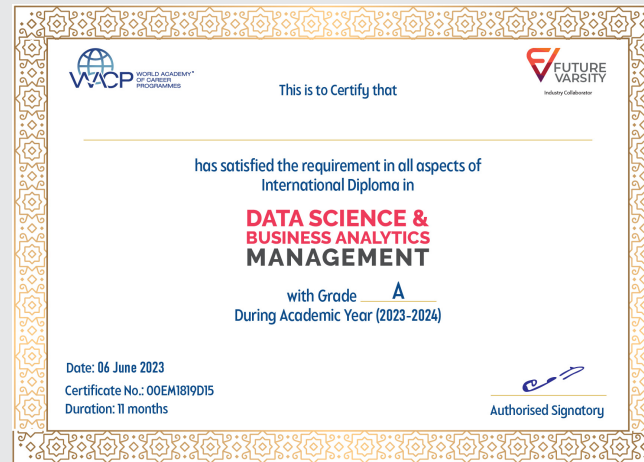
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## PROFESSIONAL CERTIFICATION

The WACP - CRS Certifications are coveted qualifications which recognize outstanding students by substantiating their conduct and professionalism to prospective employers. WACP offers IBCP students counselling in higher education and Internship's assistance within the 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.



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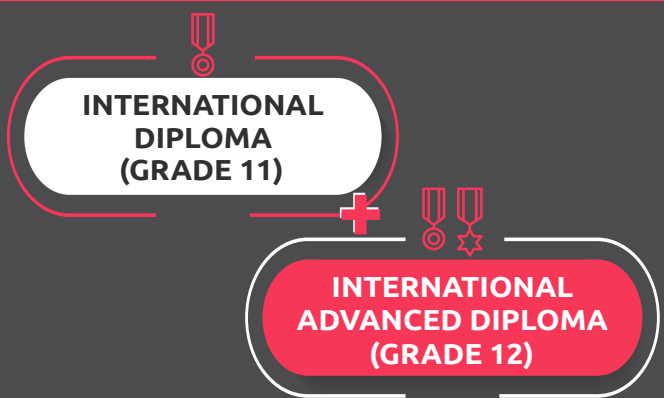




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