

Cyber Square[®]

PROFESSIONAL

where your IT work experience starts

CS DIPLOMA IN BUSINESS ANALYTICS

COURSE BROCHURE

Duration: 6 Months

Lecture sessions & Hands on
Assignments/projects Soft Skill Sessions



200

Institutes



12

Countries



1M

Students

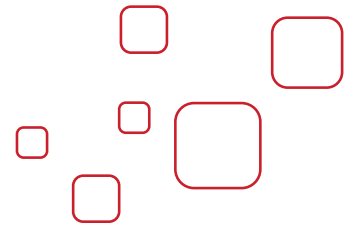
Empowering Tomorrow's High-Paying workforce
with Internship-Driven Industry Experience



ORAY
EDUCATION

<https://cybersquare.pro/>

About Cyber Square Professional



Immerse yourself in a unique learning experience where the virtual meets the real-world. Our courses go beyond conventional training, simulating a dynamic working environment that mirrors a global software company. Interns, dispersed worldwide, collaborate seamlessly on real projects, bringing the virtual workspace to life.

This international exposure not only sharpens the technical skills but also instills the collaborative spirit needed in today's interconnected software development landscape. Soft skills sessions are also seamlessly integrated, ensuring a holistic learning experience. Get ready to thrive in a virtual company setting, acquiring invaluable experience that transcends geographical boundaries.



An overhead view of a diverse group of people sitting around a round wooden table, engaged in a collaborative meeting. They are looking at documents and a tablet. A red banner with the text 'CEO's take' is overlaid on the top left of this image.

CEO's take



NP HARIS

Conceptualizer & CEO

OUR CEO'S MESSAGE

Dear Future Software Engineers,

For over 12 years, CyberSquare Professional has been a leader in technology training, dedicated to producing quality software engineers. Our experience has enabled us to create a unique learning experience that bridges the gap between academic learning and real-world industry demands.

Introducing CS Pro, our state-of-the-art virtual company environment hosted in the cloud. Here, interns from around the globe collaborate on real-world products, gaining invaluable hands-on experience.

In CyberSquare Pro, you join a project team, receive daily lectures, and work under a Product Owner (PO) and Scrum Master in a real Agile environment. You will actively contribute to product development, enhancing features based on backlogs and roadmaps.

We believe that working on actual projects in a real Agile environment is the best way to truly understand the role of a software engineer. This hands-on experience is unmatched and ensures you are well-prepared for your future job.

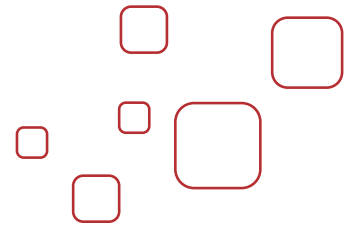
In addition to technical training, we focus on developing soft skills, human skills, and adhering to ethical standards in software development. This holistic approach ensures you are a well-rounded professional.

Join us at CyberSquare Pro and experience the most effective way to become a skilled software engineer. Let us help you build a successful career.

NP Haris

“Mastery in software development comes from hands-on experience. On-the-job training turns knowledge into skill and potential into excellence.”

About the Course



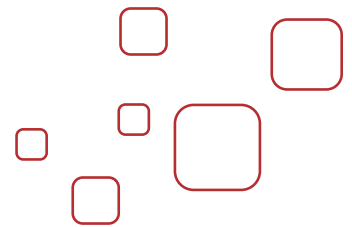
This industry-aligned program is designed to empower aspiring Business Analysts with the analytical, technical, and business skills required to thrive in data-driven roles. The course covers a comprehensive range of topics including business process analysis, KPI development, Excel for reporting, statistical foundations, Python and SQL for data manipulation, and machine learning for predictive insights.



Learners will gain hands-on experience with industry tools such as Excel, Python, Power BI, and Tableau, and will master concepts like data visualization, regression analysis, A/B testing, and time-series forecasting. Real-world business cases in marketing, finance, HR, and supply chain are integrated throughout the program to ensure practical understanding.

A capstone project provides an opportunity to apply skills to a real-life business problem—from problem definition to data analysis and final presentation. The course concludes with resume and interview preparation to help you confidently step into a Business Analyst or Data Analyst role.





Reasons to Business Analytics

Make Smarter, Data-Driven Decisions

Business Analytics enables professionals to base decisions on facts, trends, and data patterns rather than intuition alone. This reduces uncertainty and improves the accuracy of strategic planning, budgeting, marketing, and operational initiatives.



Gain a Competitive Edge in Any Industry

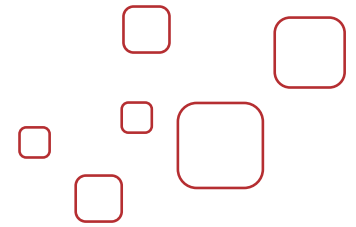
Whether in finance, healthcare, retail, logistics, or technology, data is at the core of every industry. Professionals with analytics skills are better equipped to identify opportunities, optimize processes, and respond swiftly to changing market dynamics.

Enhance Career Opportunities and Earning Potential

Analytics roles like Business Analyst, Data Analyst, and Product Analyst are among the fastest-growing careers globally. With high demand and relatively low supply, skilled professionals often enjoy above-average salaries and advancement opportunities.

Solve Real-World Business Problems

Business Analytics teaches you to approach problems systematically using data. Whether it's identifying customer churn, optimizing supply chains, or forecasting sales, analytics empowers you to uncover insights and drive meaningful action.



Learn Tools Used by Top Companies

This course trains you in industry-standard tools like Excel, SQL, and Python, as well as data visualization libraries like Matplotlib and Seaborn. These tools are widely used by companies such as Amazon, Google, McKinsey, and Deloitte.

Bridge the Gap Between Business and Technology

Business Analytics professionals are unique—they speak both the language of data and the language of business. This makes you a valuable asset in cross-functional teams, able to translate technical insights into strategic business recommendations.







Future-Proof Your Skill Set

In an era of rapid digital transformation, the ability to understand and leverage data is no longer optional—it's essential. Learning Business Analytics ensures your skills remain relevant in a tech-driven economy,

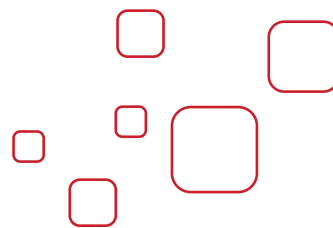
making you adaptable to emerging roles like AI analyst, product strategist, or digital transformation consultant.

Who should take this course?



-  Aspiring Business Analysts
-  Professionals Looking to Upskill
-  Students and Fresh Graduates
-  Entrepreneurs and Small Business Owners
-  Product Managers and Project Leads
-  Anyone Curious About Data and Decision-Making

Student Intern Status – International Point System



Embark on a structured learning journey with our International Point System, an essential aspect of our internship placement process. Here's a snapshot of the process:

This system not only establishes a standardized evaluation process but also motivates students to excel in their internship, enhancing their preparedness for future professional endeavors. Embrace the International Point System and set yourself on the path to a rewarding placement experience.

Point Accumulation

Students earn points by successfully fulfilling the required tasks and objectives.

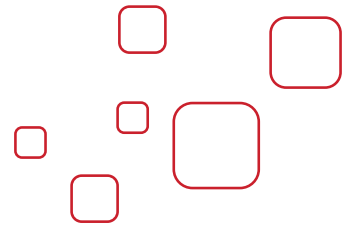


Mandatory Requirements

To be eligible for the placement process, students must complete a set of mandatory items outlined in our International Point System.

Minimum Required Points

Meeting the minimum required points is essential for students to qualify for the placement process. This ensures a fair and competitive environment.



Course content

Sprint 1: Intro to Business Analytics & Excel Proficiency

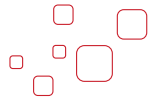
- Role of a Business Analyst
- Business process and KPIs
- Excel: formulas, conditional formatting, charts
- Dashboards in Excel
- Data types and sourcing data

Sprint 2: Statistics & Probability for Analytics

- Descriptive statistics
- Probability distributions
- Sampling methods
- Inferential statistics
- Hypothesis testing
- ANOVA, Chi-square test

Sprint 3: Data Handling with Python

- Python basics
- Data wrangling with Pandas
- NumPy for arrays and stats
- Data visualization: Seaborn & Matplotlib
- Outlier detection, missing data treatment



Sprint 4: SQL for Business Analytics

- CRUD operations
- Filtering, sorting, and aggregations
- JOINS (INNER, LEFT, RIGHT)
- Views, indexes, stored procedures
- Advanced queries and data preparation

Sprint 5: Predictive Modeling & Tools

- Linear & logistic regression
- Decision Trees & Random Forests
- Clustering (KMeans)
- Time-series forecasting
- Model evaluation (accuracy, precision, recall)
- Using Scikit-learn

Sprint 6: BI Tools & Data Visualization

- Introduction to Power BI / Tableau
- Dashboards & reports
- DAX functions (Power BI)
- Connecting to data sources
- Creating KPIs & filters

Sprint 6: Domain Applications & Capstone Project

- Business cases in Marketing, Finance, HR, Supply Chain
- A/B Testing
- Real-world capstone project:
 - Define problem statement
 - Analyze data
 - Build visual report or model
 - Present findings
- Resume and interview prep

CERTIFICATE



Classroom-Level Immersion: Delivered Digitally

- Any Where, Anytime access
- Online Self learning
- Courses designed by alumni of IIT, NIT & IIM.
- CS Certificate Internship Certificate & UK Certificate
- CS Talent Show



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Our Branch All Around World



ORAY
EDUCATION

UK (Headquarters)

29, The Sphere,
1 Hallsville Rd, London E16 BE, UK Ph-
+44 7448 241977

CANADA

299 Senator street, Pickering,
ON L1V6N2, Canada
+1 647 3722376

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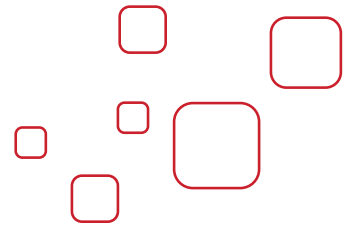
INDIA

Cafit Square,
5th Floor,
Hilite Business Park, Calicut, India
+91 9739954676

UAE

Suit No 51, Oasis Centre,
Sheikh Zayed Road, Dubai, UAE
+971 508881947

More Information About us?



Contact Us!

Cyber Square Pro is a learning platform and resource hub for professionals looking to learn cutting-edge digital skills, whether they're coding novices or programming pros.

Phone :

+91 859 205 8444

Website :

<https://cybersquare.pro/>

Address :

5th Floor, HiLite Business
Park, Thondayad Bye-Pass,
Kozhikode

Thank You!

