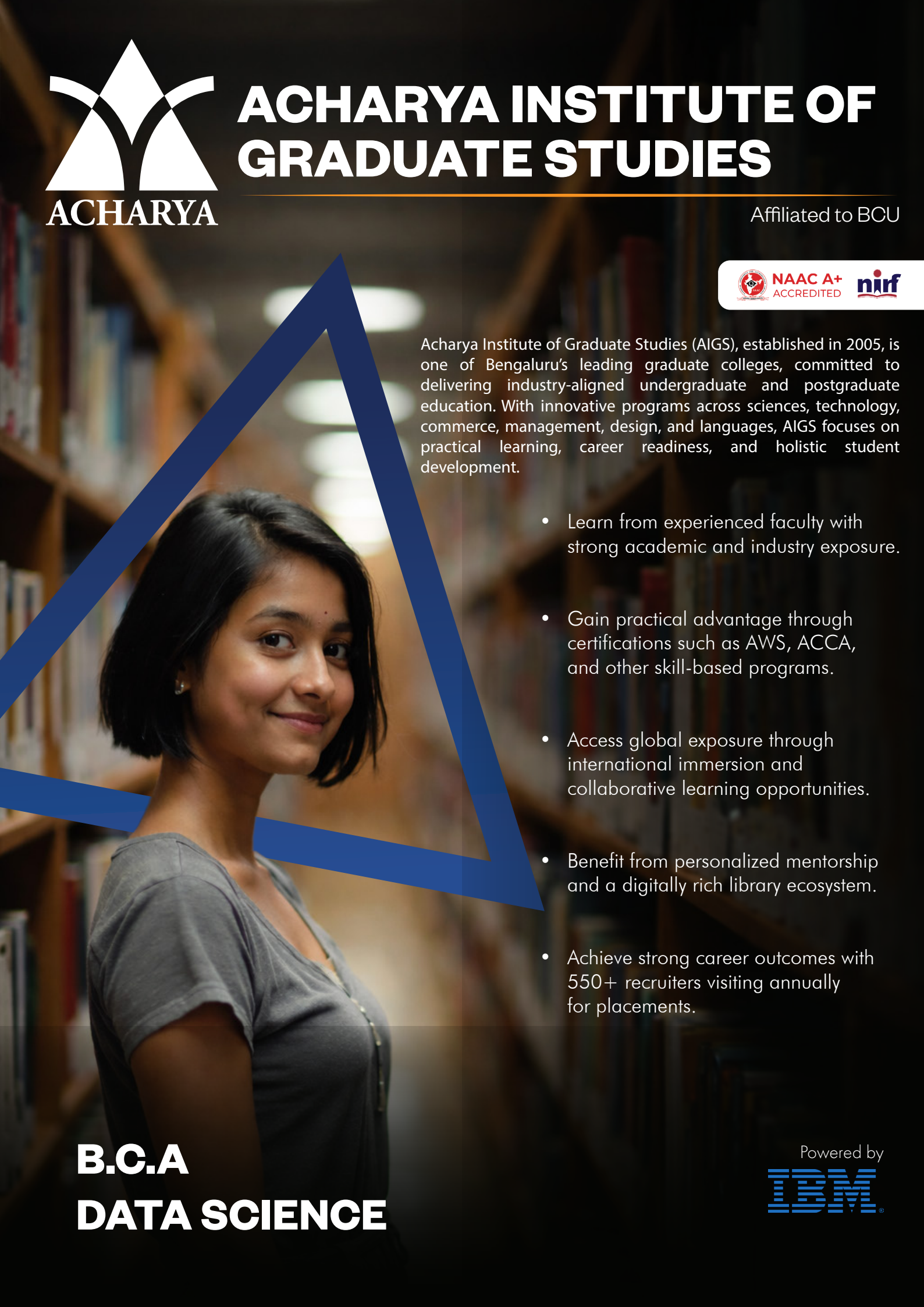
ACHARYA INSTITUTE OF GRADUATE STUDIES

ACHARYA

Affiliated to BCU

NAAC A+ ACCREDITED

nirf



Acharya Institute of Graduate Studies (AIGS), established in 2005, is one of Bengaluru's leading graduate colleges, committed to delivering industry-aligned undergraduate and postgraduate education. With innovative programs across sciences, technology, commerce, management, design, and languages, AIGS focuses on practical learning, career readiness, and holistic student development.

- Learn from experienced faculty with strong academic and industry exposure.
- Gain practical advantage through certifications such as AWS, ACCA, and other skill-based programs.
- Access global exposure through international immersion and collaborative learning opportunities.
- Benefit from personalized mentorship and a digitally rich library ecosystem.
- Achieve strong career outcomes with 550+ recruiters visiting annually for placements.

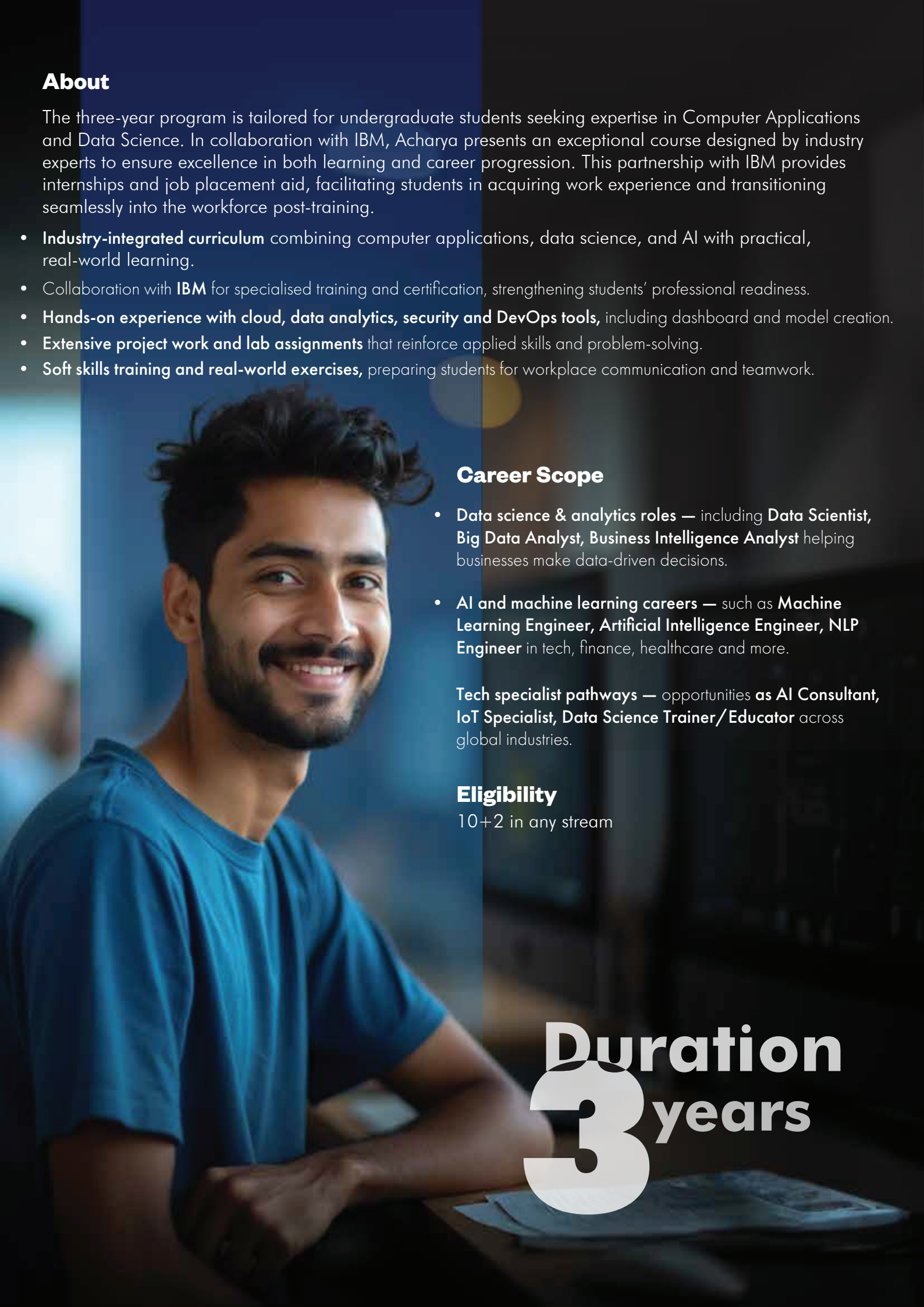
B.C.A
DATA SCIENCE

Powered by IBM

About

The three-year program is tailored for undergraduate students seeking expertise in Computer Applications and Data Science. In collaboration with IBM, Acharya presents an exceptional course designed by industry experts to ensure excellence in both learning and career progression. This partnership with IBM provides internships and job placement aid, facilitating students in acquiring work experience and transitioning seamlessly into the workforce post-training.

- **Industry-integrated curriculum** combining computer applications, data science, and AI with practical, real-world learning.
- Collaboration with **IBM** for specialised training and certification, strengthening students' professional readiness.
- **Hands-on experience with cloud, data analytics, security and DevOps tools,** including dashboard and model creation.
- **Extensive project work and lab assignments** that reinforce applied skills and problem-solving.
- **Soft skills training and real-world exercises,** preparing students for workplace communication and teamwork.



Career Scope

- **Data science & analytics roles —** including **Data Scientist, Big Data Analyst, Business Intelligence Analyst** helping businesses make data-driven decisions.
- **AI and machine learning careers —** such as **Machine Learning Engineer, Artificial Intelligence Engineer, NLP Engineer** in tech, finance, healthcare and more.

Tech specialist pathways — opportunities **as AI Consultant, IoT Specialist, Data Science Trainer/Educator** across global industries.

Eligibility

10+2 in any stream

Duration

3 years

COURSE CONTENT

Semester 1

- Problem Solving Techniques Using C
- Computer Organization and Architecture
- Discrete Mathematics
  - IBM CE - Software
  - Foundation Course - Basic

Semester 2

- Data Structures using C
- Data Base Management Systems
- Numerical and Statistical Methods
  - IBM CE DBMS,MySQL and SQLite

Semester 3

- OOPs Using C++
- Financial Accounting and Management
- Operating Systems
  - Data Visualization using R
  - Python
  - Watson Studio

Semester 4

- Visual Programming
- Unix Shell Programming
- Operation Research
  - IBM Watson Services

Semester 5

- Data Communications and Networks
- Software Engineering
- Computer Architecture
- Java Programming
- Microprocessor and Assembly Language
  - Project
  - Skill Development Course
  - Spark and Scala Fundamentals

Semester 6

- Theory of Computations
- Systems Programming
- Cryptography and Network Security
- Web Programming
  - Capstone Project
  - Skill Development Course
  - Preductive Modeling using SPSS Modeler

ENRICHMENT PROGRAM CONTENT

- **1st Sem** : Software Foundation - Basics
- **2nd Sem** : RDBMS
- **3rd Sem** : Data Visualization
- **4th Sem** : WATSON STUDIO
- **5th Sem** : Fundamentals of SCALA and SPARK
- **6th Sem** : Predictive Analytics using IBM SPSS MODELER

FEE STRUCTURE

Refer offer letter for the actuals.

Inclusions : Tuition Fee, University Registration, Eligibility Fee, Miscellaneous Fee, Laboratory Fee, Library Fee and Sports Fee.

Exclusions : Uniform & Stationery.
Examination fee as prescribed by the University / Board.

Students are offered complimentary Tab, Cocube (one time), Domain Skills, OBT, Softskills, Global Immersion Program & Linkedin Learning Licence.



Acharya Legacy

Founded in 1990, Acharya aims to revolutionize education. With over 12,000 students and 100+ academic programs annually, it stands among the global education elite. Located in India's technical hub, Bangalore, Acharya prioritizes innovation and knowledge. The institution fosters experiential and collaborative learning, shaping well-rounded individuals, evident in its diverse student population from 75+ countries.

11 Institutions

15 Research Centers

100+ Programmes

75+ Nationalities

12000+ Students

1000+ Eminent Faculty

120 Acres State-of-the-Art Campus



B Premnath Reddy
Founder Chairman
Acharya Group

Acharya Offerings - click on each to know more... »

Academic Studio



Collaboration



Center of Excellence



Clubs



Digital Library



Laboratories



Research



Sports



Hostels



Habba



PROGRAMS OFFERED

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