ACHARYA INSTITUTE OF GRADUATE STUDIES

ACHARYA

Affiliated to BCU

NAAC A+ ACCREDITED | nirf

- Engage with renowned faculty and access LinkedIn extensive programs.

- Gain hands-on experience with certifications in AWS, ACCA, and more.

- Expand horizons with international immersion and global exposure.

- Benefit from personalized mentorship for tailored academic support.

- Access a digital library with rich resources for research and growth.

- Enjoy top sports facilities and expert training for holistic development.

- Achieve career success with 550+ companies visiting for placements annually.

B.C.A Gen AI

Powered by
IBM

About

BCA with specialization in GenAI is a three-year degree program where core computer application is blended with cutting-edge training in Artificial Intelligence, focusing on Generative AI technologies. In this IBM-backed program, students learn to develop systems that can generate human-like content, such as texts, images, audio, and more. Besides traditional subjects such as programming and software engineering, students also explore AI models, machine learning, and cloud-based AI tools in this rapidly-growing field.

Career Scope

Graduates specialized in GenAI can secure lucrative jobs in healthcare, finance, e-commerce, gaming and entertainment as AI-driven applications are widely used in these sectors. With the AI industry set to reach $407 billion by 2027, job opportunities are immense. Graduates can work as Generative AI Developer, AI/ML Engineer, Prompt Engineer, AI Product Associate, AI Quality Analyst, Chatbot Developer (LLM-based), Data Analyst with GenAI Tools and others.

Eligibility

Pass in Pre-University /
Higher Secondary / 10+2 / 'A'
Level or equivalent of any recognized board or
council in any discipline with English as
one of the languages.
Or
Pass in Three-years Diploma in
Engineering (technical course only)
recognized by Board of Technical
Education, Govt. Of Karnataka

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** : PYTHON PROGRAMMING
- **2nd Sem** : CLOUD FUNDAMENTALS
- **3rd Sem** : DATA VISUALIZATION
- **4th Sem** : PREDICTIVE MODELLING
- **5th Sem** : WATSON SERVICES
- **6th Sem** : GenAI USING WatsonX

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 Faculties

120 Acres State-of-the-Art Campus

B Premnath Reddy
Founder Chairman
Acharya Group

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