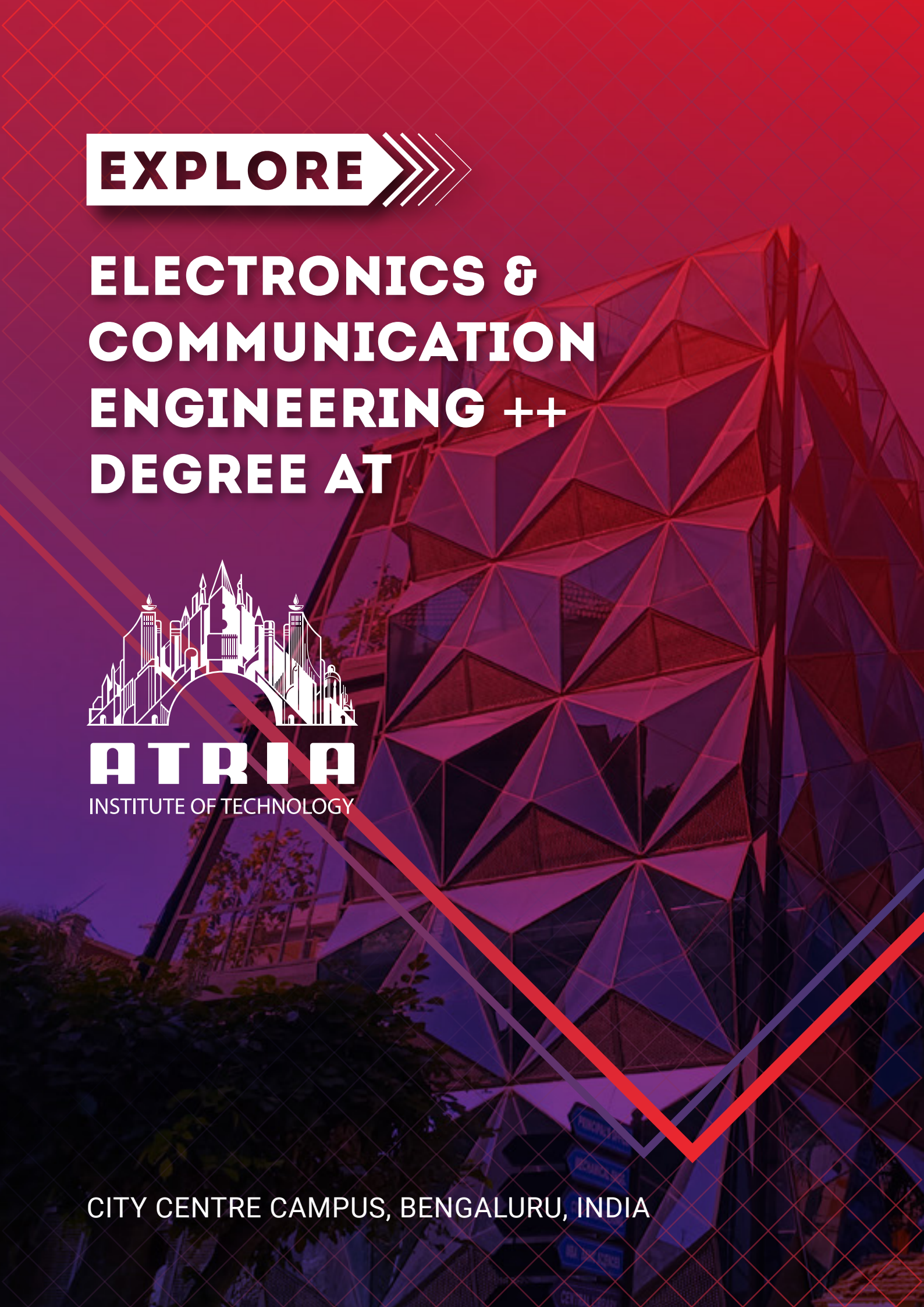

EXPLORE

ELECTRONICS & COMMUNICATION ENGINEERING ++ DEGREE AT

ATRIA
INSTITUTE OF TECHNOLOGY

CITY CENTRE CAMPUS, BENGALURU, INDIA

SPECIALIZE INTO THE FUTURE

The new decade has brought with it new developments and a host of opportunities. From home appliances to digital services, agriculture to healthcare, the world runs on the internet with Automation, Artificial Intelligence & Connected Devices, built around:

INTERNET OF THINGS (IoT)

Sensors & Microcontrollers
Edge IoT Devices
Cloud Computing with IoT
Programming for IoT
Ubiquitous Networking - 5G & Beyond

ARTIFICIAL INTELLIGENCE ENABLED ECE

Cloud Computing & Artificial Intelligence
Machine Learning with Tensorflow
Programming Certification
AI Based Solutions for Community
Open Source Foundation (OSF)

EMBEDDED/SMART DEVICES

Embedded Systems
Design, Programming Verification
Tool Familiarisation & Usage
System Verilog, FPGA & Devices

The Electronics & Communication Engineering course at Atria Institute of Technology enables students to explore these fields and lead the change.

LEARN THE SKILLS OF TOMORROW, TODAY

In this fast-paced, ever-changing environment, AIT has designed the ECE programs to enable you to stay ahead of the curve. The curriculum of the ECE++ course at AIT focuses on areas that will be at the forefront of technology in this decade.

With a focus on your future, the programs develop your competence in:

ROBOTICS

INTERNET OF THINGS

AUGMENTED REALITY

VIRTUAL REALITY

ARTIFICIAL INTELLIGENCE

BLOCKCHAIN

COMMUNICATION NETWORKS

DRONES

FROM AIT TO THE WORLD

Companies and governments worldwide, are launching new applications with technology like IoT and AI every day (e.g. Aarogya Setu for COVID-19 Pandemic Management). AIT's ECE++ gives you the opportunity to learn and build projects in a host of technologies and industry sectors shown below. Your success depends on your passion and interest.

A sample of applications using AI, IoT, Embedded Systems, Blockchain, etc. in various sectors:

HOME

Smart Temperature Control

Optimized Energy Use

MEDICAL

Optimized Patient Care

Wearable Fitness Devices

Quality Data Reporting

AUTOMOTIVE

Vehicle Auto-Diagnosis

Optimized Traffic Flow

Smart Parking

AGRICULTURE

Offspring Care

Crop Management

Soil Analysis

MILITARY

Situational Awareness

Threat Analysis

INDUSTRIAL

Machine-to-Machine Communication

Quality Control

ENVIRONMENTAL

Forest Fire Detection

Species Tracking

Weather Prediction

RETAIL

Personalized Marketing

Dynamic Supply Chain

Theft Protection

THIS IS HOW YOU GAIN SKILLS

Holistic development is at the core of Atria Institute of Technology. While academics and subject knowledge are important, practical capability, teamwork and experiential learning through industry exposure play vital roles in the change from student to a "ready professional".

We create an environment which not only caters to your foundational learning, but also pushes you to strive for greater excellence.

As a student of Atria Institute of Technology, we want you to ...

LEARN BY DOING

State of the art labs to hone and sharpen your skills with -

- IoT Labs
- Biomedical Signal & Image Processing Lab
- Embedded Device Labs

COMPETE WITH THE BEST

Our experienced faculty will mentor you to challenge yourself at the highest level and aspire to become finalists/win national competitions like -

- Smart India Hackathon
- IICDC Contest
- L&T Techgium
- IESA Makeathon

INTERACT & GAIN INSIGHTS FROM INDUSTRY LEADERS

Obtain exposure from interactions with industry professionals on and off-campus; stay up to date with latest developments through -

- IoT Forum
- LoRaWAN Academy
- AWS Educate
- IEEE Student Programs
- Google Cloud Program
- ARM University Program

A WORD FROM THE HOD

"The focus of the department is to provide a better campus-based educational experience to the students for developing their learning interest and critical thinking to increase competencies in them."

DR. ARUN BALODI

PhD. Indian Institute of Technology, Roorkee,
M. Tech. in Digital Signal Processing
(Gold Medalist).

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