GOJAN **SCHOOL OF BUSINESS AND TECHNOLOGY**

Approved by A.I.C.T.E. New Delhi & Affiliated to Anna University, Chennai

NAAC Accredited Institution | An ISO 9001:2015 Certified Institution

Recognized by UGC u/s 2(f) & 12(B) of the UGC Act

80 Feet Road, Edapalayam, Redhills, Chennai - 600 052.

* G.S.B.T. *

3.2.1. Innovation and Ecosystem

Centre of Excellence

1. Vishwakarma R&D Centre

2. Gojan Robotics

3. Cisco Networking Academy

VISHWAKARMA R&D CENTRE

INTRODUCTION

As a special research initiative of Gojan School of Business and Technology, Vishwakarma Research and Development Centre came into existence in September 2016. The idea was to establish a state-of-the-art multi-disciplinary, inter-disciplinary and co-disciplinary research hub in a dynamic, competitive and vibrant environment. This research centre has two intertwined processes of research to identify new knowledge, ideas and development, turning the ideas into tangible products. The major objective of R&D centre is to develop new solar, hybrid vehicles to meet the requirements of upcoming generation and also innovative products, services that will help our students to grow and enhance their practical skills.

1) HIGH PERFORMANCE VEHICLE

Mechanical Engineering students have fabricated HIGH PERFORMANCE VEHICLE "GO KART" Vehicle which is a small four wheeled vehicle.

2) ELECTRIC BICYCLE

Mechanical Engineering students have fabricated an Electric bicycle using hub motor on rear wheel. It has a self-charging using hub alternator and solar panel.

3) HYBRID VEHICLE CHALLENGE

Month and Year of the Event: **Febraury, 2017**

Venue: **Noida, Delhi.**

No. of participants: **27 students**

4) ULTRA GOLF KART CHAMPIONSHIP

Month and Year of the Event: **March, 2017**

Venue: **Maharishi Markandeshwarar University, Haryana, Punjab.**

No. of participants: **25 students**

5). QUAD BIKE DESIGN CHALLENGE

Month and Year of the Event: **September, 2017**

Venue: **Racing Sport, Secunderabad**

No. of participants: **22 students**

6). INDIAN SOLAR VEHICLE CHAMPIONSHIP

Month and Year of the Event: **March 2018**

Venue: **Maharishi Markendeswarar University, Haryana, Punjab.**

No. of participants: **21 students**

Awards: **Best Aesthetics & Innovation**

7). FUTURE SOLAR DESIGN CHALLENGE

Month and Year of the Event: **March 2019**

Venue: **Chitkara University, Chandigarh.**

No. of participants: **22 students**

Awards: **Drag Race Runner up**

8). SAUR URJA VEHICLE CHALLENGE (SUVC)

Month and Year of the Event: **March 2020**

Venue: **Hindusthan College of Engineering and Technology, Coimbatore.**

No. of participants: **18 students**

Awards:

1) BEST UTILITY

2) BEST SOCIAL BUZZ

3) SUVC VISIONARY

4) BEST CREATIVE PRODUCT

5) TEAM SPRIT
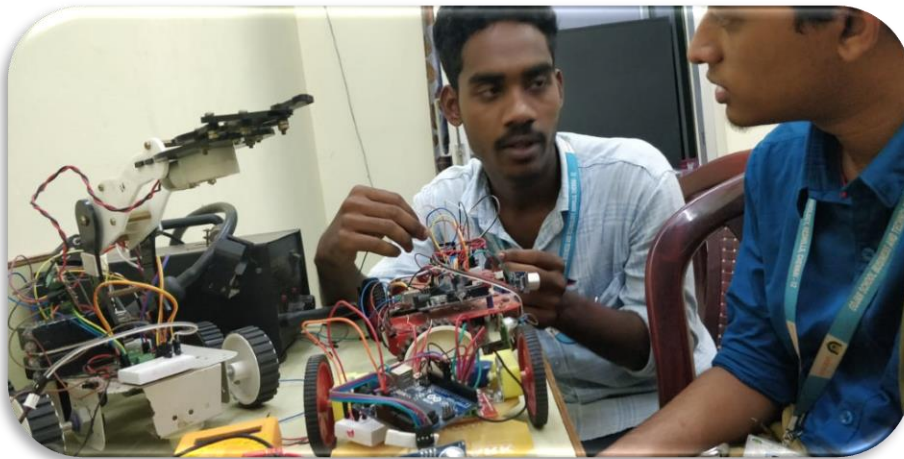
6) GURU DRONACHARYA

GOJAN ROBOTICS

INTRODUCTION

As a special research initiative of Gojan School of Business and Technology, Gojan Robotics Centre came into existence in July 2017.

This Collaborative effort of Gojan Robotics has the main objective to encourage young professionals to take up this cross disciplinary field as a career of their choice and acquaint them with latest technological developments in the field of Industrial Robotics. The Center will conduct following training programs for Engineering students of all disciplines starting from their 2nd year of education at various listed levels. Robot Programming Basic Leve: Training on basic concepts of robot programming, operation of robot system in general. This highly equipped robotics center will be the milestone in the field of technical education. If the students can practice on industrial robot which he/she going to handle after joining the industry naturally the candidate becomes industry ready.

CISCO NETWORK ACADEMY

Gojan School of Business and Technology offers certificate/skill development course CISCO certification training to provide the knowledge of Networking Domain. Cisco Networking Academy helps students prepare to assume entry-level ICT jobs, pursue additional training or education, and earn globally recognized certification. In order to expose the students to the latest technologies the college has set "CISCO NETWORKING ACADEMY" at the campus and the college encourages the students.

CCNA Routing and Switching provides comprehensive coverage of networking topics, from fundamentals to advanced applications and services, with opportunities for hands-on practical experience and career skills development.

Students learn the basics of routing, switching, and advanced technologies to prepare for the CCENT and CCNA certification exams, networking related degree programs, and entry-level careers.

There are two modules in the recommended sequence:

- ❖ Introduction to Networks
- ❖ Routing and Switching Essentials