



# GOPALAN

COLLEGE OF ENGINEERING AND MANAGEMENT

(APPROVED BY AICTE AND AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY)



## VISION

TO BE THE INSTITUTION OF CHOICE WITH CONTEMPORARY KNOWLEDGE COUPLED WITH VALUES CONTRIBUTES TO THE SOCIETY THROUGH EXCELLENCE IN TECHNICAL EDUCATION AND RESEARCH BY CONTINUOUS INNOVATION.

## MISSION

ACHIEVING EXCELLENCE IN TEACHING LEARNING PROCESS USING STATE-OF-THE-ART RESOURCES.

DEVELOP INDUSTRIAL COLLABORATIONS TO PROMOTE RESEARCH AND INNOVATION CAPABILITIES OF FACULTY AND STUDENTS.

INCULCATE ENTREPRENEUR SKILLS WITH HIGH INTEGRITY TO SERVE THE SOCIETY.



**DR. C. PRABHAKAR**

General Secretary, Gopalan  
Foundations

## DIRECTOR'S MESSAGE

HAVING BEEN BUILDERS FOR OVER 30 YEARS, WE UNDERSTAND THAT A BUILDING IS AS STRONG AS ITS FOUNDATION. A STRONG FOUNDATION FOR OUR CHILDREN WITH INDIAN VALUES WILL CREATE FUTURE LEADERS FOR THE EMERGING KNOWLEDGE ECONOMY.

OUR VISION IS TO CREATE A KNOWLEDGE PARK TO OFFER THE ENTIRE GAMUT OF EDUCATION THAT WE UNDERSTAND IS ONE OF THE FOUNDATIONS OF SOCIETY. MODERN TECHNOLOGY BLENDED WITH INDIAN VALUE SYSTEM WILL CREATE GLOBAL CITIZENS WHO CAN MAKE PURPOSEFUL CONTRIBUTION TO HUMAN RACE. THIS IS OUR HUMBLE CONTRIBUTION TO SOCIETY.

**DR. BASAVARAJU C. M.E., PH.D**

Principal, GCEM

## PRINCIPAL'S MESSAGE

DEAR STUDENTS, IN THIS ERA OF CUT THROAT COMPETITION, IT IS OF PARAMOUNT IMPORTANCE TO BE EQUIPPED WITH APPROPRIATE KNOWLEDGE, HABITS, ATTITUDES AND VALUES LEADING TO HOLISTIC DEVELOPMENT. AT GCEM, WE HAVE CREATED AN ENVIRONMENT TO ENABLE OUR STUDENTS TO FULFILL THEIR POTENTIAL WHILE DEVELOPING INTO WELL MANNERED, WELL GROOMED, INDEPENDENT INDIVIDUALS WITH HIGH SELF ESTEEM. WE ARE COMMITTED TO PROVIDE AN EDUCATIONAL EXPERIENCE THAT IS THE RICHEST, MOST DIVERSE & MOST EXCITING IN AN ATMOSPHERE THAT PROVIDES SUPPORT, ENCOURAGEMENT & CARE FOR EVERY STUDENT.

**DR. J SOMASEKAR**

HOD, CSE 2021-2022

## HOD'S MESSAGE

THE MOTTO OF OUR DEPARTMENT IS TO PROVIDE QUALITY EDUCATION WITH A WORLD-CLASS STUDENT EXPERIENCE. WHAT YOU LEARN, HOW YOU LEARN, AND WHERE YOU LEARN, PLAY A CRUCIAL ROLE IN DEVELOPING ONE'S INTELLECTUAL CAPABILITY, BESIDES CAREER.

ALONG WITH IMPARTING ACADEMIC KNOWLEDGE, CSE DEPARTMENT @ GCEM ALSO TRAINS ITS ENGINEERS TO FACE THE CHALLENGES IN LIFE BY PROVIDING VALUE ADDED COURSES TO ENHANCE THEIR EMPLOYABILITY AND TO BRIDGE THE GAP BETWEEN ACADEMICS AND INDUSTRY. WITH EXPERIENCED PROFESSORS AND SENIOR FACULTY MEMBERS, DEPARTMENT PROVIDES A VERY GOOD ATMOSPHERE FOR LEARNING AND GIVE IMPORTANCE TO THEIR STUDENTS IDEAS AND INVENTIONS.

**DR. SHAILESH KUMAR**

Hod, CSE 2023

## HOD'S MESSAGE

AS THE HEAD OF CSE, I WANT TO EXPRESS MY ADMIRATION FOR THE CONTINUOUS DEDICATION AND OUTSTANDING CONTRIBUTIONS OF OUR FACULTY, STAFF, AND STUDENTS. YOUR COMMITMENT TO EXCELLENCE IS TRULY SHAPING THE FUTURE OF OUR DEPARTMENT AND MAKING A SIGNIFICANT IMPACT.

IN THE COMING MONTHS, LET'S CONTINUE FOSTERING A COLLABORATIVE SPIRIT, PUSHING BOUNDARIES IN RESEARCH, AND NURTURING THE INTELLECTUAL CURIOSITY THAT DEFINES OUR CSE DEPARTMENT. TOGETHER, WE CAN ACHIEVE NEW HEIGHTS AND MAKE LASTING CONTRIBUTIONS TO OUR FIELD. THANK YOU FOR BEING AN INTEGRAL PART OF OUR DYNAMIC COMMUNITY.

# WORKSHOPS

## 1) FUNDAMENTALS OF DATA STRUCTURES & ITS APPLICATIONS

- DATE: 5TH NOVEMBER, 2022
- RESOURCE PERSON: DR. A. M. PADMA REDDY
- DESCRIPTION: Dr. A. M. Padma Reddy, a distinguished professor and Vice President of Sai Vidya Institute of Technology, delivered a guest lecture focusing on the fundamental concepts of data structures and their practical applications. Dr. Padma Reddy is a renowned author of numerous textbooks in the field of computer science and engineering.

## 2) WEBINAR ON IMPORTANCE OF INTELLECTUAL PROPERTY RIGHTS (IPR)

- DATE: MARCH 23RD, 2023
- RESOURCE PERSON: RAJITHA T R, PATENT CONSULTANT, INDIAN PATENT AGENT, NIPAM-TIFAC COORDINATOR
- DESCRIPTION: The webinar aimed to highlight the significance of Intellectual Property Rights (IPR) in the field of technology and innovation. It provided insights into the protection of intellectual property and its role in fostering creativity and innovation in the industry.



## 3) IOT HANDS-ON WORKSHOP

- DATE: 1ST AUGUST 2023
- DESCRIPTION: The Department of Computer Science and Engineering organized a one-day hands-on workshop

on "IoT Application Development". The program coordinators for the workshop were Mr. Vinay G and Mr. Lohith C. The workshop aimed to provide students with hands-on experience in developing IoT applications.





**4) INTER-COLLEGE IOT PROJECT EXHIBITION**  
 - DATE: 15TH SEPTEMBER 2023  
 - DESCRIPTION: The Department of Computer Science and Engineering organized an IoT Project Exhibition,

where students from various colleges showcased their innovative IoT projects. The event was attended by Dr. C. Prabhakar, General Secretary, as the Chief Patron. The exhibition aimed to encourage students to innovate, collaborate, and illuminate their ideas.

#### **5) 3RD NATIONAL CONFERENCE ON EMERGING TRENDS IN COMPUTER SCIENCE ENGINEERING AND INFORMATION TECHNOLOGY (NCETCSEIT 2023)**

- DATE: 5TH & 6TH MAY, 2023

- RESOURCE PERSONS:

1. DR. VIJAYAKUMAR VARADARAJAN, ADJUNCT PROFESSOR OF CSE, UNIVERSITY OF NEW SOUTH WALES

2. DR. MURUGANANTHAM PONNUSAMY, DEPUTY REGISTRAR, IIIT

- DESCRIPTION: The conference was conducted to serve as a platform for students, research scholars, and academicians to engage in technical sessions and discussions on the latest trends in computer science engineering and information technology.



#### **6) MOBILE APPLICATION DEVELOPMENT WORKSHOP**

- DATE: 10TH NOVEMBER 2023

- RESOURCE PERSON: MR. CHINMAYA K JOSHI, ANDROID DEVELOPER AT TATA ELXSI

- DESCRIPTION: The Department of Computer Science and Engineering organized an one-day workshop on "Mobile Application

Development Using Android." The workshop was held on the 4th floor of the Engineering Block. The workshop aimed to provide students with hands-on experience in developing mobile applications using Android.



# FACULTY ACHIEVEMENTS

1) Dr. J Somasekar was honored with the Research Leadership Award of the Year for his outstanding contributions to international innovation, betterment, and excellence in research activities.

2) Dr. J Somasekar served as the Convenor for a two-week Faculty Development Program (FDP) on 'LaTeX,' held in collaboration with IIT Bombay-ST and organized by Gopalan College of Engineering and Management, Bangalore, from April 17 to April 30, 2020.

3) Dr. J Somasekar received the best paper presentation award for his work on 'New Advances in Computing and Communication Technology' in the year 2021.

4) Under the mentorship of Dr. Shailesh Kumar, the initiation into 'A Framework for Implementing Industry 4.0 in Learning Factories/SMEs in India' marks the commencement of an impactful research and academic journey.

5) Dr. Shailesh Kumar guided a thesis titled 'ENHANCING SECURITY AND PRIVACY FOR CYBER PHYSICAL SYSTEMS USING INTELLIGENT BLOCKCHAIN DEPLOYMENT' on 18 July, 2023.

6) Dr. J Somasekar, The role of emerging computational technologies in the agricultural industry, National conference on emerging trends in computer science & engineering and information technology, 2021.

7) Dr.J Somasekar, A Comprehensive study of supervised and unsupervised classification techniques in machine learning, International conference on Emerging trends & Challenges in applied science, engineering & Technology, 2021.

# STUDENTS ACHIEVEMENTS

- Between November 30 and December 2, 2023, the Gopalan Skill Academy conducted a hackathon. Monitha Lokesh K emerged as a standout performer, securing the Second Prize
- In the "Kannada Quiz" competition organised as part of the 68th Karnataka Rajyotsavacelebrations 2023 Vidyashree B V and Navya M emerged, securing the esteemed First Prize.
- Our college conducted a poster-making competition on International Tiger Day, July 28, 2023, organized by the Civil Department. Among the participants, Vivek Prajapathi secured the first prize with his exceptional poster.
- On June 1, 2023, our college organized a Throw Ball event where several Computer Science Engineering (CSE) students excelled. Nithya Varshini, Nandini, Deepika, Shreesha Rai and Nisarga A (USN: 1GD22CS033) all achieved First Prize in the competition, showcasing the remarkable sporting talent.
- Pranav Jayachandran, a final-year Computer Science student, secured an impressive second place in shotput at "Gardenia 2023" showcasing remarkable strength and precision, his achievement embodying the spirit of determination and excellence in track and field.
- Akash Kumar Sharma, showcased remarkable achievements in two events. On June 10, 2023, he clinched the First Prize in the "RELAY" competition. Furthermore, on June 1, 2023, Akash secured another First Prize, this time in the "CHESS" event.
- On June 1 2023, Nithya Varshini, a student of CSE department, secured the First Prize in the "BADMINTON DOUBLE" event.
- On June 9 2023, several students excelled in the "VOLLEY BALL" event organized by our institute. Akash Kumar Sharma, Vinith Joyappa, Somashekar, Rajgopalan E K, Mohammad Imdad and Mohammad Hasseb all secured the First Prize, showcasing their collective achievement and dominance in the volleyball competition.

# INDUSTRIAL VISITS

During our recent industrial visit, our college students had the privilege of exploring two distinct but equally fascinating facets of industry: the Supa Hydroelectric Power Plant in Dandeli and the Coca-Cola Bottling Industries in Goa.

At the Supa Hydroelectric Power Plant, situated amidst the scenic Western Ghats, students gained firsthand insights into sustainable energy production. The impressive Supa Dam, utilizing the force of the Kali River, exemplifies the marriage of technology and nature. Our tour highlighted the intricate process of converting flowing water into electrical energy, emphasizing the delicate balance between environmental conservation and energy production.

Transitioning to the Coca-Cola Bottling Industries in Goa, students experienced the precision and efficiency characterizing the beverage manufacturing sector. From raw ingredients to finished products, the facility showcased a seamless integration of machinery and human expertise. Engaging with industry professionals, we explored topics such as sustainability initiatives and quality control measures, witnessing the company's commitment to excellence and innovation.

Both visits left an indelible mark, offering valuable insights into the realms of sustainable energy and global-scale beverage production.





# COLLEGE TRIP

Our recent college trip was a three-day escapade filled with cultural immersion and adrenaline-pumping adventures. Departing from Gopalan College, our journey commenced at Murdeshwara, where mornings were marked by temple visits and beach views. The exploration continued in Honnavar with a serene boat ride through mangrove forests and a delightful beachfront lunch. Gokarna greeted us with a tranquil evening stay, a night beach view, and an early morning rendezvous with the mystical Yana Caves. Dandeli, our final destination, unfolded with resort retreats, tantalizing snacks, a communal dinner, and an unforgettable fire camp. The last day brought a whirlwind of activities, from sightseeing to water and dry adventures, before bidding adieu with dinner on the way back to Bangalore.

This journey wasn't just a geographical traverse; it was a collective experience that intertwined cultural discovery with lasting camaraderie. The memories created during this adventure will undoubtedly resonate within our college community, thanks to the collaborative efforts of organizers and participants. Until the next expedition beckons, we carry forward the shared moments and newfound connections forged on this remarkable trip.



# TOPPERS

## TOPPERS OF THE ACADEMIC YEAR 2022-23

### 7TH SEM:

| RANK | USN        | NAME             | SGPA |
|------|------------|------------------|------|
| 1    | 1GD19CS012 | HARSHITHA VEMULA | 9.45 |
| 2    | 1GD19CS045 | SURABHI PRIYA    | 9.55 |
| 3    | 1GD19CS010 | E MONICA SHARON  | 9.15 |

### 6TH SEM:

| RANK | USN        | NAME            | SGPA |
|------|------------|-----------------|------|
| 1    | 1GD20CS022 | M DHATHRI REDDY | 8.96 |
| 2    | 1GD20CS009 | CHANDANA REDDY  | 8.95 |
| 3    | 1GD20CS026 | MIDHILI ASHOK   | 8.79 |

### 4TH SEM:

| RANK | USN        | NAME        | SGPA |
|------|------------|-------------|------|
| 1    | 1GD21CS048 | SHAZIYA     | 9.68 |
| 2    | 1GD21CS032 | NAFISHA B   | 9.55 |
| 3    | 1GD21CS044 | RAKSHITHA N | 9.36 |

# PLACEMENTS

| Sl.No | Name of the Student  | Branch                         | Company                                 |
|-------|----------------------|--------------------------------|---|
| 01    | Y Fazal Nawaz        | Computer Science & Engineering | Intelli paat software solutions pvt ltd |
| 02    | Monica Sharon        | Computer Science & Engineering | IBM India Pvt. Ltd                      |
| 03    | Nishanth Haryharan   | Computer Science & Engineering | Subhany Technologies                    |
| 04    | Harshitha Vemula     | Computer Science & Engineering | Tekworks                                |
| 05    | Iris Das             | Computer Science & Engineering | Tekworks                                |
| 06    | M Chandan            | Computer Science & Engineering | Tekworks                                |
| 07    | Nathiya C            | Computer Science & Engineering | Tekworks                                |
| 08    | Nishanth Haryharan   | Computer Science & Engineering | Tekworks                                |
| 09    | Nithya Santhoshini M | Computer Science & Engineering | Tekworks                                |
| 10    | Sahana S             | Computer Science & Engineering | Tekworks                                |
| 11    | Nathiya              | Computer Science & Engineering | Stratogent                              |
| 12    | Sunitha D            | Computer Science & Engineering | Tap                                     |
| 13    | Iris Das             | Computer Science & Engineering | Test Yanthra Solutions                  |





Harshita TC  
TCS



Jomya Merlin George  
Infosys



Nitish Kumar U  
Infosys



Rifia Khanum R  
TCS



Vijayalakshmi  
Capgemini



Vishnu  
Wipro



Sai Ganesh  
Cisco



Roshini  
Grifeo

#### PLACEMENTS 2022-23

