



CETA TIMES



www.gct.org.in



NEWS LETTER

To serve as a dynamic platform for sharing academic achievements, innovative research, technological advancements, student and faculty accomplishments, departmental events, and industry trends. It aims to foster communication, collaboration, and a sense of community among students, faculty, alumni, and industry partners, while promoting a culture of knowledge sharing, innovation, and continuous learning within the department.

INSIDE THE ISSUES

- Achievements/Awards/Honours
- Paper Publication in Journal
- Paper Publication in Conference FDP/Seminars/Workshops Attended
- Organized Events
- Paper /Project Presentations

Editorial Board:

Dr.R.Umamaheswari HoD/CSE

Mrs.P.Sathyasutha AP/CSE

Mr.G.Sivakumar AP/CSE

Students Coordinators:

Mr. Kartheepan U V, Final year

Ajay L, Third year

Volume 10 | Issue 1 | 2022-2023

COMPUTER SCIENCE AND ENGINEERING

The program is dedicated to advancing education and research in the Computer Science and Engineering field through partnerships with industries. Research is actively conducted in areas including Distributed Computing, Service-Oriented Architecture, Networking, Computer Technologies, Programming Languages, Database Management, Software Engineering, Operating Systems, Image Processing, Information Retrieval, Storage Management, Data Warehousing and Mining, Big Data Analytics, Cloud Computing, and Computational Intelligence.

Students and faculty are also given excellent opportunities to join various professional organizations such as IEEE and CSI. The program is supported by well-equipped laboratories and a comprehensive library filled with the latest and highest quality books, journals, and magazines.

Additionally, the program encourages students to engage in research, which makes them highly desirable to leading IT firms in India. It has developed into a competitive program focused on students, designed to significantly enhance the learning experience through lab sessions, assignments, training, seminars, projects, and independent studies. One of the program's greatest strengths is the strong sense of loyalty that our alumni feel toward it.



GNANAMANI EDUCATIONAL INSTITUTIONS

Gnyanamani Educational Institutions that have carved a niche for itself in the field of engineering education within a very short span of time. Gnanamani College of Technology which was established in the year 2006, the group comprises of Gnanamani College of Education, established in the year 2005.

Gnanodaya CBSE International School was established in the year 2015. These Institutions serve under the aegis of The Christian Educational Development Trust.

Gnyanamani Educational Institutions were established in a well-planned campus with a green environment. The Colleges are spread on a sprawling 60 acres of serene land. The Colleges are easily accessible from all major cities by road and railway networks.

These Institutions have emerged as a pioneer venture in the field of Technical Education. Dr.T.Arangannal – a Rashtria Vidhya Saraswathi Puraskar Awardee is the Chairman and Mrs.P.Malaleena is the Chairperson of the Educational Institutions.

GNANAMANI COLLEGE OF TECHNOLOGY

Gnanamani College of Technology is a leading Institution with state-of-the-art facility. The college is affiliated to Anna University and Autonomous approved by AICTE.

The institution is rendering noble service to the youths in rural and urban areas.

The college is accredited by the NAAC and NBA (CSE, ECE, EEE, and Mechanical). The college has grown in a short span of 17 years with 12 UG Courses namely Agricultural, Artificial Intelligence and Data Science, Bio-Medical, Biotechnology, Chemical, Computer Science, Electrical and Electronics, Electronics and Communication, Food Technology, Mechanical, Information Technology and Pharmaceutical Technology.

The Institute also offers 9 PG courses in Computer Science, Construction Engineering and Management, Environmental Engineering, Embedded System Technology, Power Electronics and Drives, Industrial Engineering, VLSI Design, BME, MBA and MCA.

INSTITUTE VISION

Emerging as a technical institution of high standard and excellence to produce quality Engineers, Researchers, Administrators and Entrepreneurs with ethical and moral values to contribute the sustainable development of the society.

INSTITUTE MISSION

We facilitate our students

- To have in-depth domain knowledge with analytical and practical skills in cutting edge technologies by imparting quality technical education.
- To be industry ready and multi-skilled personalities to transfer technology to industries and rural areas by creating interests among students in Research and Development and Entrepreneurship.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Computer Science and Engineering Department was established in the year 2006 with an intake of 60 students and increased to 180 students. The Department equipped with well qualified and experienced faculty members. The Department has good laboratory facilities with latest and updated versions of the software and 24 hours Wi-Fi enabled Internet facility. The Department conducts periodic workshops, seminars, symposiums and conferences to help the students, research scholars and corporate world to unite in a common place and thereby strengthen the Industry Institution fusion. The Department has a very good placement record and our students have got placed in leading companies like TCS, WIPRO, Tech Mahindra, CTS, IBM, HCL Info systems, etc.

All the laboratories are well equipped with excellent infrastructure and state of the art equipment to explore the technological challenges and to impart the research oriented practices in the field of Computer Science.

VISION

To evolve as a Centre of Excellence to produce the most competent software professionals, researchers, entrepreneurs and academicians with ethical keys in Computer Science and Engineering.

MISSION

- Imparting quality education through latest technologies to prepare Students as software developer and system analyst.
- Inculcating the technological transformations for the sustainable development of society.
- Promoting excellence towards higher education, research, employability and entrepreneurship.

PROGRAM EDUCATIONAL OBJECTIVES

Graduates of Computer Science and Engineering will

- **PEO-1:** Be capable of design by applying the concepts of science, mathematics, engineering fundamentals and computing for the rapid change of society requirements.
- **PEO-2:** Demonstrate ethical keys, effective communication and team skills in their profession and adapt to current trends through lifelong learning.
- **PEO-3:** Be expert in profession, higher education, research and entrepreneurship.

PROGRAM SPECIFIC OUTCOMES

Graduates of the program will be able to

- **PSO-1:** Understand, analyze and develop computer applications in data Mining/ Analytics, Cloud Computing, Networking, Security, etc. to meet the requirements of industry and society.
- **PSO-2:** Enrich the ability to design and develop software and qualify for Employment, Higher studies and Research.

PROGRAM OUTCOMES

Engineering knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems

Problem analysis:

Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

Design/development of solutions:

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental considerations.

Conduct investigations of complex problems:

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.

Modern tool usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

The engineer and society:

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and sustainability:

Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Ethics:

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

A Individual and team work:

Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.

Communication:

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Project management and finance:

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Life-long learning:

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

STUDENT ACHIVEMENTS



Mr. Vinith, a second-year student, has made us proud by winning first place in the Code Debugging event at the **ARVUTI FIESTA '22**. This national-level technical symposium was held on September 22, 2022, by Mahendra College of Engineering and Technology. **Congratulations, Vinith!**



A team of second-year students, comprising Mr. Gopal Kumar, Mr. Mohammed Arshal Raza, and Mr. Manjeet Kumar Upadhyay, has secured the second prize in the Paper Presentation event at the **ARVUTI FIESTA '22**. This national-level technical symposium was organized by Mahendra College of Engineering and Technology on September 22, 2022. We commend their hard work and dedication.



Mr. Kundan Kumar Yadav and Mr. Saurabh Kumar, 3rd-year Computer Science and Engineering students, have achieved a remarkable feat by **winning the 1st Prize** in Paper Presentation at the National Level Technical Symposium held at SSM College of Engineering, Komarapalayam on 24.03.2023. This accomplishment is a testament to their exceptional talent, dedication, and hard work.



Ms. D. Kalaivani, a 3rd-year Computer Science and Engineering student, has showcased her culinary skills by **winning the 3rd Prize** in the Cooking without Fire competition at the National Level Technical Symposium **TECHNOVA-2K23**, held at the Knowledge Institute of Technology, Kakkapalayam on 15.03.2023. Her achievement is a testament to her creativity and talent.



Ms. D. Vanitha, a 3rd-year Computer Science and Engineering student, has showcased her culinary skills by **winning the 3rd Prize** in the Cooking without Fire competition at the National Level Technical Symposium **TECHNOVA-2K23**, held at the Knowledge Institute of Technology, Kakkapalayam on 15.03.2023. Her achievement is a testament to her creativity and talent.



P. Subash, a 2nd-year Computer Science and Engineering student, has **won the 2nd Prize** in Group Singing at the cultural fest **YUVA-2023** held at Narasu's Sarathy Institute of Technology, Salem on 24.03.2023.

Mr. N. Dhanushkumar, a 3rd-year Computer Science and Engineering student, has achieved a commendable **2nd place** in Code Avatar at the National Level Technical Symposium - **Viruksha-2K23**, held at Selvam College of Technology, Namakkal on March 31, 2023. His strong coding skills and problem-solving abilities have brought recognition to our department.



We're thrilled to announce that P. Priyanka, a 2nd-year Computer Science and Engineering student, has secured the **1st prize in Code Debugging** at the National Level Technical Symposium held at SSM College of Engineering, Komarapalayam on March 24, 2023. Her exceptional coding skills and problem-solving abilities have brought immense pride to our department.

No. of Journals Published	No. of Conference Papers Presentation	No. of Seminar /Workshop/ FDP/STTP attended	No. of proposals submitted for funding agencies
7	27	59	2
No. of programmes organized	No. of Books published	No. of Interactions with Outside World	No. of Extension Activities
19	1	2	1

We are proud to announce that Mr. Abhimanyu Paswan, a 3rd-year Computer Science and Engineering student, has secured the **1st prize in Code Avatar** at the National Level Technical Symposium - **Viruksha-2K23**, held at Selvam College of Technology, Namakkal on March 31, 2023. His exceptional coding skills and problem-solving abilities have brought honor to our department.



Mr. L. Ajay, a 3rd-year Computer Science and Engineering student, has showcased his exceptional talent by winning the **1st prize** in Quiz Master and the **2nd prize** in Paper Presentation at the National Level Technical Symposium - **Viruksha-2K23**, held at Selvam College of Technology, Namakkal on March 31, 2023. His achievements are a testament to his hard work and dedication.

Ms. M. Vasika, a 3rd-year Computer Science and Engineering student, has excelled at the National Level Technical Symposium - **Viruksha-2K23**, held at Selvam College of Technology, Namakkal on March 31, 2023. She secured the **1st prize in Quiz Master** and the **2nd prize in Paper Presentation**. Her achievements are a testament to her hard work and dedication.



STUDENT PRIZE WINNING

S.No	Date	Name of the Student	Name of the Event	Name of the Title	Institution/ Organization/Society
1	22.09.2022	Gopal Kumar.S	Paper Presentation	Paper Presentation (II Prize)	Mahendra Engineering College
2	22.09.2022	Arshal Raza.M.D	Paper Presentation	Paper Presentation (II Prize)	Mahendra Engineering College
3	22.09.2022	Manjeet kumar Upadhay	Paper Presentation	Paper Presentation (II Prize)	Mahendra Engineering College
4	29.09.2022	Manisankar.M	Project Presentation	Project Presentation (I Prize)	Selvam College Of Technology
5	29.09.2022	Bharath Kumar A	Technical Events	Code Debugging (I Prize)	Selvam College Of Technology
6	29.09.2022	Sevvel.C	Project presentation	Project presentation (I Prize)	Selvam College Of Technology
7	30.09.2022	Hari Prakash B	Paper Presentation	Paper Presentation (III Prize)	Dhanalakshmi Srinivasan Engineering College
8	19.10.2022 & 20.10.2022	Badhrinadhan N	Technical Events	Code Cracking (II Prize)	Sengunthar Enginnering College

quick
WIN



Details of MOU Signed

S.No	Faculty Name	Name and address of the company	Date	Outcome/remark
1	Dr.R.Umamaheswari	Cognitive I IT Solutions (P) LTD, India 636 016	13/6/2022	Students get good Placement
2	Dr.R.Umamaheswari	WAAFE ARROW-Learning Golas	12/9/2022	Students get idea about how to become entrepreneur
3	Dr.R.Umamaheswari	Connect Info System	1/9/2022	Student get the idea about internal components of the computer hardware. Also they know, how to assemble and reassemble the hardware properly

Details of Consultancy Activity

S.No.	Faculty name	Description of the Activity	Name of Organizing Agency	Date	Amount (Rs)
1	Dr.R.Umamaheswari	Online Digital Literacy Efficiency Test	Common Service Center Academy, Rasipuram, Namakkal.	10/12/2022	18,300

Interaction with Outside World

S.No.	Faculty name	Details of the Program	Speaker / Jury / Examiner / Guest Lecturer	Organization/Institution	Date
1	Dr.R.Umamaheswari	ISTE & IETE Sponsored International Conference on "Researches Advance in Communication, Computing, Electrical Science and Structures"	Chief Guest	Bharathiyar Institute of Engineering for Women	10.06.2022
2	Dr.R.Umamaheswari	Technological Innovation in Controls, Communication and Automation (TICCA 2022)	Chief Guest	Easwari Engineering College	29.06.2022
3	Mr.S.Karthikkumar	Introduction to Web Development using HTML	Resource Person	KSR College of Technology	19.12.2022

JOURNAL PUBLICATION

S.No	Faculty name	Paper Title	Journal Name Volume No	Indexed by Annexure 1/Thompson/ Scopus etc.
1	Dr.K.Chandramohan	Secure Object Detection with Disease Diagnosis in Medical Images using CNN with Asymmetric Algorithm	IJSRCSEIT/ Volume 9/ Issue 3/	ISSN: 2456-3307
2	Dr.K.Chandramohan	Opinions on Product Detection using SVM Algorithm using Machine Learning	IJIRSET/Volume 12/ Issue 6/	ISSN: 2319-8753
3	Dr.R.Umamaheswari	Brain Tumor Segmentation Using Convolutional Neural Networks in MRI Images	IJIRSET/Volume 12/Issue 6/	ISSN: 2319-8753
4	Dr.R.Umamaheswari	Smart Campus Technologies by Using Artificial Intelligence	IJIRCCE/ Volume 11/Issue 6/	ISSN: 2320-9801
5	Dr.R.Umamaheswari	Opinions on Product Detection using SVM Algorithm using Machine Learning	IJIRSET/Volume 12/ Issue 6	ISSN: 2319-8753
6	Dr.R.Umamaheswari	Applications of Serverless Computing in Blockchain Distributed Technology	IEEE/p. 115-118./ 19	ISBN:979-8-3503-2388-7
7	Dr.R.Umamaheswari	Design And Implementation Of Lung Cancer Detection Using Machine Learning	IJIRCCE/ Volume 11/ Issue 7	ISSN: 2320-9801
8	Mrs.P.Sathyasutha	Similarity and Location Aware Salable Deduplication System for Storage Systems	IJIERT/Volume 10/ Issue 7	ISSN: 2394-3696
9	Mr.G.Sivakumar	E-Learning Management System for Differently Abled Peoples and Aged Peoples	IJMRSET/Volume 6/ Issue 5	e-ISSN:2582-7219
10	Mr.G.Sivakumar	Credit Card Transaction Based on Face Recognition Technology	IJMRSET /Volume 6/ Issue 5	ISSN: 2582-7219
11	Mr.G.Sivakumar	Diabetic Retinopathy Detection Design and Implementation of Retinal Image	IRJET/Volume 10/ Issue 6	ISSN: 2395-0056
12	Mr.R. Krishnakumar	Secure Object Detection with Disease Diagnosis in Medical Images using CNN with Asymmetric Algorithm	IJSRCSEIT/ Volume 9/ Issue 3	ISSN: 2456-3307
13	Mr.R. Krishnakumar	Diabetic Retinopathy Detection Design and Implementation of Retinal Image	IRJET/Volume 10/ Issue 6	ISSN: 2395-0056
14	Mr.M.S.Sabari	Opinions on Product Detection using SVM Algorithm using Machine Learning	IJIRSET/Volume 12/ Issue 6	ISSN: 2319-8753
15	Ms.K.Hemalatha	Diabetic Retinopathy Detection Design and Implementation of Retinal Image	IRJET/Volume 10/ Issue 6	ISSN: 2395-0056

CONFERENCE

S.No	Faculty name	Date	Paper Title	Title of Conference / Symposium	Organizing Institution & Venue
1	Dr.K.Chandramohan	15th october 2022	To Trace Nearby Ambulances Using GPS Single Point Locating Method	National Conference on Emerging trends in Information Technology,	Paavai Engineering college (Autonomous)
2	Dr.K.Chandramohan	20th and 21st May 2022	Secure Chart Application	8th International Conference on latest Trends in Science, Engineering & Technology	Karpagam Institute of Technology
3	Mrs.G.Kowsalya	15th october 2022	"Diabetes Diagnosing Using Supervised Learning Algorithm"	National Conference on Emerging trends in Information Technology	Paavai Engineering college (Autonomous)
4	Mrs.G.Kowsalya	15th october 2022	A Detection Of Amblyopia Using Random Forest Classifier Algorithm	National Conference on Emerging trends in Information Technology	Paavai Engineering college (Autonomous)
5	Mrs.A.Sangeetha	15th october 2022	Big Data Analytics of the Representation of Physical Education in social media	National Conference on Emerging trends in Information Technology	Paavai Engineering college (Autonomous)

Industry Expert Inspires Future Entrepreneurs



Mr. R.M. Selvakumar, representing **CONNECT INFOSYSTEMS** from Chennai, Tamil Nadu, was the guest speaker at a recent workshop organized by the Department of Computer Science and Engineering in collaboration with IIC. The workshop, titled

"INNOVATIVE HARDWARE TECHNOLOGY AND GUIDANCE TOWARDS BECOMING AN ENTREPRENEUR," was conducted on the 6th and 9th of October, 2023.

Dr. R. Umamaheswari, Head of the Department, honored the gathering with her presence.

GNAN 2K22 WHIZKID

A Grand Success



- The Department of **Computer Science and Engineering, Artificial Intelligence and Data Science,** and **Information Technology** proudly hosted the **National Level Technical Symposium, "GNAN WHIZKID- 2K22,"** on October 8th, 2022, in the esteemed Michael Faraday Hall. The event was a resounding success, drawing a diverse crowd of tech enthusiasts, students, and faculty.
- The event was further enriched by the presence of **Mr. Karthisanker Mohanasundaram, Software Development Manager at Alexa Voice Services, Chennai,** as the Chief Guest. Mr. Mohanasundaram delivered an insightful keynote address, shedding light on the latest technological advancements and the essential skills required for aspiring engineers to thrive in today's competitive industry.
- The event was graced by the presence of esteemed dignitaries, including **Tmt. P. Malaleena,** Chairperson, **Dr. T. Arangannal,** Chairman, and **Ms. Madhuvanthinie,** Vice-Chairperson. **Dr. P. Premkumar,** CAO, **Dr. T.K. Kannan,** Principal, and **Dr. B. Sanjay Gandhi,** Academic Director, extended their warm felicitations to the organizers and participants. **Dr. K. Chandramohan,** Vice-Principal, and the **Heads of Departments** of **CSE, AI&DS,** and **IT** were also present to support the initiative.

“Computers are incredibly fast, accurate, and stupid. Human beings are incredibly slow, inaccurate, and brilliant. Together they are powerful beyond imagination.”

- Albert Einstein, physicist





CETA TIMES



www.gct.org.in



NEWS LETTER

To serve as a dynamic platform for sharing academic achievements, innovative research, technological advancements, student and faculty accomplishments, departmental events, and industry trends. It aims to foster communication, collaboration, and a sense of community among students, faculty, alumni, and industry partners, while promoting a culture of knowledge sharing, innovation, and continuous learning within the department.

INSIDE THE ISSUES

- Achievements/Awards/Honours
- Paper Publication in Journal
- Paper Publication in Conference FDP/Seminars/Workshops Attended
- Organized Events
- Paper /Project Presentations

Editorial Board:

Dr.R.Umamaheswari HoD/CSE

Mrs.P.Sathyasutha AP/CSE

Mr.G.Sivakumar AP/CSE

Students Coordinators:

Mr. Kartheepan U V, Final year

Ajay L, Third year

Volume 10 | Issue 2 | 2022-2023

COMPUTER SCIENCE AND ENGINEERING

The program is dedicated to advancing education and research in the Computer Science and Engineering field through partnerships with industries. Research is actively conducted in areas including Distributed Computing, Service-Oriented Architecture, Networking, Computer Technologies, Programming Languages, Database Management, Software Engineering, Operating Systems, Image Processing, Information Retrieval, Storage Management, Data Warehousing and Mining, Big Data Analytics, Cloud Computing, and Computational Intelligence.

Students and faculty are also given excellent opportunities to join various professional organizations such as IEEE and CSI. The program is supported by well-equipped laboratories and a comprehensive library filled with the latest and highest quality books, journals, and magazines.

Additionally, the program encourages students to engage in research, which makes them highly desirable to leading IT firms in India. It has developed into a competitive program focused on students, designed to significantly enhance the learning experience through lab sessions, assignments, training, seminars, projects, and independent studies. One of the program's greatest strengths is the strong sense of loyalty that our alumni feel toward it.



GNANAMANI EDUCATIONAL INSTITUTIONS

Gnyanamani Educational Institutions that have carved a niche for itself in the field of engineering education within a very short span of time. Gnanamani College of Technology which was established in the year 2006, the group comprises of Gnanamani College of Education, established in the year 2005.

Gnanodaya CBSE International School was established in the year 2015. These Institutions serve under the aegis of The Christian Educational Development Trust.

Gnyanamani Educational Institutions were established in a well-planned campus with a green environment. The Colleges are spread on a sprawling 60 acres of serene land. The Colleges are easily accessible from all major cities by road and railway networks.

These Institutions have emerged as a pioneer venture in the field of Technical Education. Dr.T.Arangannal – a Rashtria Vidhya Saraswathi Puraskar Awardee is the Chairman and Mrs.P.Malaleena is the Chairperson of the Educational Institutions.

GNANAMANI COLLEGE OF TECHNOLOGY

Gnanamani College of Technology is a leading Institution with state-of-the-art facility. The college is affiliated to Anna University and Autonomous approved by AICTE.

The institution is rendering noble service to the youths in rural and urban areas.

The college is accredited by the NAAC and NBA (CSE, ECE, EEE, and Mechanical). The college has grown in a short span of 17 years with 12 UG Courses namely Agricultural, Artificial Intelligence and Data Science, Bio-Medical, Biotechnology, Chemical, Computer Science, Electrical and Electronics, Electronics and Communication, Food Technology, Mechanical, Information Technology and Pharmaceutical Technology.

The Institute also offers 9 PG courses in Computer Science, Construction Engineering and Management, Environmental Engineering, Embedded System Technology, Power Electronics and Drives, Industrial Engineering, VLSI Design, BME, MBA and MCA.

INSTITUTE VISION

Emerging as a technical institution of high standard and excellence to produce quality Engineers, Researchers, Administrators and Entrepreneurs with ethical and moral values to contribute the sustainable development of the society.

INSTITUTE MISSION

We facilitate our students

- To have in-depth domain knowledge with analytical and practical skills in cutting edge technologies by imparting quality technical education.
- To be industry ready and multi-skilled personalities to transfer technology to industries and rural areas by creating interests among students in Research and Development and Entrepreneurship.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Computer Science and Engineering Department was established in the year 2006 with an intake of 60 students and increased to 180 students. The Department equipped with well qualified and experienced faculty members. The Department has good laboratory facilities with latest and updated versions of the software and 24 hours Wi-Fi enabled Internet facility. The Department conducts periodic workshops, seminars, symposiums and conferences to help the students, research scholars and corporate world to unite in a common place and thereby strengthen the Industry Institution fusion. The Department has a very good placement record and our students have got placed in leading companies like TCS, WIPRO, Tech Mahindra, CTS, IBM, HCL Info systems, etc.

All the laboratories are well equipped with excellent infrastructure and state of the art equipment to explore the technological challenges and to impart the research oriented practices in the field of Computer Science.

VISION

To evolve as a Centre of Excellence to produce the most competent software professionals, researchers, entrepreneurs and academicians with ethical keys in Computer Science and Engineering.

MISSION

- Imparting quality education through latest technologies to prepare Students as software developer and system analyst.
- Inculcating the technological transformations for the sustainable development of society.
- Promoting excellence towards higher education, research, employability and entrepreneurship.

PROGRAM EDUCATIONAL OBJECTIVES

Graduates of Computer Science and Engineering will

- **PEO-1:** Be capable of design by applying the concepts of science, mathematics, engineering fundamentals and computing for the rapid change of society requirements.
- **PEO-2:** Demonstrate ethical keys, effective communication and team skills in their profession and adapt to current trends through lifelong learning.
- **PEO-3:** Be expert in profession, higher education, research and entrepreneurship.

PROGRAM SPECIFIC OUTCOMES

Graduates of the program will be able to

- **PSO-1:** Understand, analyze and develop computer applications in data Mining/ Analytics, Cloud Computing, Networking, Security, etc. to meet the requirements of industry and society.
- **PSO-2:** Enrich the ability to design and develop software and qualify for Employment, Higher studies and Research.

PROGRAM OUTCOMES

Engineering knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems

Problem analysis:

Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

Design/development of solutions:

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental considerations.

Conduct investigations of complex problems:

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.

Modern tool usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

The engineer and society:

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and sustainability:

Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Ethics:

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

A Individual and team work:

Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.

Communication:

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Project management and finance:

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Life-long learning:

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM ORGANIZED BY OUR DEPARTMENT

On March 24, 2023, the department hosted a workshop titled **"Pathway to become an Innovative Entrepreneur."**

This workshop was designed to inspire students to think creatively, identify business opportunities, and develop innovative solutions. Experts from the industry shared their insights and experiences, providing valuable guidance to aspiring entrepreneurs.

Gnanamani
College of Technology
Delivering to Great Life!

INSTITUTION'S INNOVATION COUNCIL
Member of CETA

Department of Computer Science and Engineering
Organizing workshop On
Path way to become an Innovative Entrepreneur

START UP

PRAKASH P
Founder and Managing Director
of WAATE AEROW, Salem,
Tamilnadu

Students
GIMS SEMINAR HALL
24-03-2023 at 2PM

7598293888 info@gct.org.in www.gct.org.in

Gnanamani
College of Technology
Delivering to Great Life!

INSTITUTION'S INNOVATION COUNCIL
Member of CETA

Department of Computer Science and Engineering
In Association with Women Empowerment Cell
PALLIATIVE CARE IN WOMEN'S ONCOLOGY

11.30AM TO 12.30PM
24-03-2023
Michael Faraday Hall

Dr. MARIA SOPHIA J
MBBS,MD(Radiation Oncology)
Consultant Radiation Oncologist
Dharan Hospital, Salem

7598293888 info@gct.org.in www.gct.org.in

In collaboration with the **Women Empowerment Cell**, the department organized a session on **"Palliative care in Women's Oncology"** on March 24, 2023. This session focused on raising awareness about palliative care, which aims to improve the quality of life for women undergoing cancer treatment. Experts from the medical field discussed the importance of palliative care and its role in managing pain and other symptoms associated with cancer.

"The Path to a Software Career" was a Success!

Our recent webinar, "The Path to a Software Career," provided valuable insights from industry experts. Students gained knowledge on the latest trends, essential skills, and career paths in the software industry.

Gnanamani
College of Technology
Delivering to Great Life!

INSTITUTION'S INNOVATION COUNCIL
Member of CETA

Department Of Computer Science Engineering
Organizing a Webinar on
"THE PATH TO A SOFTWARE CAREER"

Google Meet

DEEPAK TMS
Director of Quality
Technologies Assurance Auro

Students
11AM to 12:30 PM
28.02.2023

7598293888 info@gct.org.in www.gct.org.in

The department, in collaboration with the Women Empowerment Cell and IIC, organized a session on **"Palliative Care Women's Oncology"** on March 24, 2023. Dr. J. Maria Sophia, a renowned Consultant Radiation Oncologist, addressed the importance of palliative care for women undergoing cancer treatment.



Gnanamani
College of Technology
Accredited by NAAC 'A' Grade & NBA
AUTONOMOUS
COUNSELLING CODE 2624
INSTITUTION'S INNOVATION COUNCIL
Ministry of HRD, Government of India

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Presentation on
BUSINESS PLAN COMPETITION

Date: 19-04-2023 Venue: CSE Project Lab Time: 10:00 AM Participants: Students

7598293888 info@gct.org.in www.gct.org.in

The department organized a presentation on **"Business Plan Competition"** on April 19, 2023. This event encouraged students to develop innovative business ideas and present their plans to a panel of experts.

The Department of Computer Science and Engineering is organizing an Alumni Talk Series focused on CMS (**Content Management System**) and WordPress Development on April 1, 2023.

Gnanamani
College of Technology
Believing in Great Life!
INSTITUTION'S INNOVATION COUNCIL
Ministry of HRD, Government of India

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Organizing Alumni Talk Series on
CMS (CONTENT MANAGEMENT SYSTEM) & WORDPRESS DEVELOPMENT

Santhoshkumar.S
Senior Software Engineer,
Mobius knowledge services
Pvt Ltd, Chennai.

ACCESSIBILITY, NORMALIZATION, SECURITY, USER FRIENDLY

CMS
Tool of Management System

Students 01-04-2023 11:00AM-12:30PM

7598293888 info@gct.org.in www.gct.org.in

The Department of Computer Science and Engineering, in collaboration with IIC, organized a workshop on **"Pathway to Become an Innovative Entrepreneur"** on March 24, 2023. The event featured Mr. P. Prakash, Founder and CEO of Waafe Arrow, Salem, as the chief guest.



Department of Computer Science and Engineering Conducting Value Added course On **Easy way to Learn Excel Concepts**

Dr. R. Umamaheswari
Professor and Head
CSE

Mr. G. Sivakumar
Assistant Professor
CSE



Students



CSE Project Lab



20-03-23 to 31-03-23

The Department of Computer Science and Engineering offered a valuable course titled **"Easy Way to Learn Excel Concepts"** from March 20th to 31st, 2023. This course aimed to enhance students' skills in using Excel effectively.

In collaboration with IIC, the department organized a webinar on **"A Orientation on Career Guidance"** on February 27, 2023. This webinar provided valuable insights and guidance to students about potential career paths and strategies for success.



Department of CSE
Organizing a Webinar On

An Orientation on Career Guidance.



Karpagam
Lead Quality Analyst,
General Motors, Ireland.



Gokul Muthu
Lead Software Developer,
AMCS Group, Ireland.



Students



3pm to 4pm



27.02.2023

7598293888

info@gct.org.in

www.gct.org.in

The Department of Computer Science and Engineering, in collaboration with **IQAC**, successfully organized a Faculty Development Program on **"Innovative Pedagogies and Outcome-Based Education"** on June 28, 2023. The program aimed to enhance the teaching methodologies and learning outcomes of faculty members.

Gnanamani
College of Technology
Gateway to Great Life!

IQAC

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ASSOCIATION WITH IQAC ORGANIZING
Faculty Development Programme

**"INNOVATIVE PEDAGOGIES AND
OUTCOME BASED EDUCATION"**

Dr. P. Anand
Prof. & Head, Physics
Faculty of Engineering & Technology
HKT Institute of Science & Technology
Bokkangudi Campus, Chennai

Faculty
28.06.2023
10 am to 1.00 pm
Michael Faraday hall

7598293888 info@gct.org.in www.gct.org.in

STUDENT ACHIVEMENT

Date	Name of the Student	Name of the Event	Name of the Title	Institution/ Organization/Society
02.03.2023	Komal Kumari V	Technical Events	Technical Quiz (II Prize)	Vivekanandha College of Technology
02.03.2023	Priyanka p	Technical Events	Technical Quiz (III Prize)	Vivekanandha College of Technology
20.03.023	Kowsick Kumar T	Technical Events	Code Debugging (I Prize)	Narasu's Sarathy Institute of Technology
24.03.2023	Saurabh Kumar	Paper Presentation	Paper Presentation (I Prize)	SSM College of Engineering
31.03.2023	Sudhakar S	Technical Events	Problem Solving (I Prize)	Excel Engineering College
31.03.2023	Sanjay M	Technical Events	Problem Solving (II Prize)	Excel Engineering College
31.03.2023	Subash P	Non Technical Events	Short Film (II Prize)	Excel Engineering College
07.04.2023	Vasika M	Technical Events	Quiz (I Prize)	WAAFE ARROW- Learn in goals
Jan –Apr 23	Barath G	NPTEL Course	The joy of Computing using python	NPTEL Course
Jan –Apr 23	Sakthivel S	NPTEL Course	The joy of Computing using python	NPTEL Course
Jan –Apr 23	Sudhakar S	NPTEL Course	Programming in Java	NPTEL Course
Jan –Apr 23	Madhumitha S	NPTEL Course	Programming in Java	NPTEL Course

**BOLD
MOVES**



JOURNAL PUBLICATION

S.No	Faculty name	Paper Title	Journal Name Volume No	Indexed by Annexure 1/Thompson/ Scopus etc.
1	Mrs.G.Kowsalya	Intelligent Robots for Flower Harvesting	IJIRCCE/ Volume 11/ Issue 6	ISSN:2320-9801
2	Mrs.G.Kowsalya	A Study and Comparison of the Plusoptix A09 Photoscreener Method, The Spot Photoscreener Method, and The Welch Allyn Spot Vision Screener Method for Detecting Amblyopia	IMPAI/ Volume 8/ Issue 3	e-ISSN: 2581-3803
3	Mrs.G.Kowsalya	Uncertain Finding Of Leaf -Diseases From Leaf Images By Using Genetic Algorithm	IJARTET/ Volume 9, Issue 6	ISSN 2394-3785
4	Mrs.G.Kowsalya	Design And Implementation Of Lung Cancer Detection Using Machine Learning	IJIRCCE/ Volume 11/ Issue 7	ISSN: 2320-9801
5	Mr.S. Karthickkumar	Enabling(End-to-End) Encrypted Cloud Emails with Practical Forward Secrecy	IJMRSET/Volume 6/Issue 5	ISSN 2582-7219
6	Mr.S. Karthickkumar	Intelligent Robots for Flower Harvesting	IJIRCCE/ Volume 11/ Issue 6	ISSN:2320-9801
7	Mr.S. Karthickkumar	Design And Implementation Of Lung Cancer Detection Using Machine Learning	IJIRCCE/ Volume 11/ Issue 7	ISSN: 2320-9801
8	Ms.S.Arularasi	Similarity and Location Aware Salable Deduplication System for Storage Systems	IJIERT/Volume 10/ Issue 7	ISSN: 2394-3696
9	Ms.S.Arularasi	A Study and Comparison of the Plusoptix A09 Photoscreener Method, The Spot Photoscreener Method, and The Welch Allyn Spot Vision Screener Method for Detecting Amblyopia	IMPAI/ Volume 8/ Issue 3	e-ISSN: 2581-3803
10	Mrs.A.Sangeetha	A Real Time Road Crash Prediction Model By Hybridizing Multiple Learning Classifiers	IC4S-2022/2	Paper ID 144
11	Mrs.A.Sangeetha	Brain Tumor Segmentation Using Convolutional Neural Networks in MRI Images	IJIRSET/Volume 12/Issue 6	ISSN: 2319-8753

Interaction with Outside World

S.No.	Faculty name	Details of the Program	Speaker / Jury / Examiner / Guest Lecturer	Organization /Institution	Date
1	Dr.R.Umamaheswari	Workshop on Data Science and Machine Learning	Resource Person	Jayalakshmi Institute of Technology	19.01.2023 and 20.01.2023
2	Dr.R.Umamaheswari	National Level Conference "Application of Artificial Intelligence and Internet of Things on Management, Science and Technology"	Jury	Mahendra College of Engineering	19.04.2023
3	Mrs.P.Sathyasutha	Workshop on Theory of Computing	Guest Lecture	Vivekanandha College of Technology	17.05.2023

Details of Consultancy Activity

Sl. No.	Faculty name	Description of the Activity	Name of Organizing Agency	Date	Amount (Rs)
1	Dr.R.Umamaheswari & M.S.Sabari	Software Automation	Sri Sreenivasa Traders, Belur, CN Palayam.	30/6/2023	10,000

“Software is a great combination of artistry and engineering.”

— Bill Gates

