



# CETA TIMES



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## 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. Aravindh Barathi K, Final year

Mr. Kartheepan U V, Third year

Volume 9 | Issue 1 | 2021-2022

## 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

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- 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 DEPARTMENT

Department of Computer Science and Engineering conducted a webinar on “Semantic web Technologies” at 01.11.2021.

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INSTITUTION'S INNOVATION COUNCIL  
Member of GCTA

DEPARTMENT OF CSC  
GCT EXPERTS CONNECT  
WEBINAR ON

**“SEMANTIC WEB TECHNOLOGIES”**

01.11.2021  
10:30 AM to 11:30 AM

Zoom meet

**GOWTHAMAN D**  
SENIOR SOFTWARE ENGINEER,  
MIRAFRA TECHNOLOGY PRIVATE LIMITED,  
BANGALORE.

Registration Link

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DEPARTMENT OF  
COMPUTER SCIENCE AND ENGINEERING  
GCT EXPERTS CONNECT  
WEBINAR ON

**INTRODUCTION TO  
EXPLORATORY DATA  
ANALYSIS ON IoT DATA**

Date: 06.11.2021  
Time: 11:00 AM to 12:00 PM  
Ph.no: 9942575354

Shamshudeen J  
Technical Lead - IoT,  
Inspirsys Solutions Limited,  
Chennai.

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Department of Computer Science and Engineering conducted a webinar on “Introduction to exploratory data analysis on IOT data” at 06.11.2021.

Department of Computer Science and Engineering conducted a webinar on “Build a successful career path in network and security domain” at 13.11.2021.

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DEPARTMENT OF  
COMPUTER SCIENCE AND ENGINEERING  
GCT EXPERTS CONNECT  
WEBINAR ON

**BUILD A SUCCESSFUL  
CAREER PATH IN  
NETWORK AND  
SECURITY DOMAIN**

Madhan Nedumaran  
Product Lead,  
NortonLifeLock Inc,  
Chennai.

JOIN US

Date: 13.11.2021  
Time: 10:30 AM to 11:30AM  
Ph.no: +91 9942575354

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## PROGRAM ORGANIZED BY DEPARTMENT

Department of Computer Science and Engineering conducted a webinar on “Wonder with Laravel framework” at 17.11.2021 to 20.11.2021

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INSTITUTION'S INNOVATION COUNCIL  
University of Arts and Sciences

DEPARTMENT OF  
COMPUTER SCIENCE AND ENGINEERING

WEBINAR ON  
**WONDER WITH  
LARAVEL FRAMEWORK**

**Mr.Sabarishwaran Raman BE.,**  
Software Developer,  
Soft Dragons IT Park,  
Namakkal.

DATE & TIME  
17.11.2021 to 20.11.2021 – 06:30 PM to 07:30 PM

CONVENOR  
**Dr.R.Umamaheswari,**  
Professor and Head /CSE

CO-ORDINATOR  
**Mr.K.Vetrivel,**  
Technical Trainer / CSE  
+91 9942575354

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INSTITUTION'S INNOVATION COUNCIL  
University of Arts and Sciences

DEPARTMENT OF  
COMPUTER SCIENCE AND ENGINEERING

WEBINAR ON  
**PYTHON IN  
INDUSTRY ASPECTS**

DATE : 21.11.2021  
TIME : 11:00 AM to 12:00 PM

**Mrs.Mahalakshmi Babu,**  
Delivery Risk Manager,  
Infosys,  
Chennai.

CONVENOR  
**Dr.R.Umamaheswari,**  
Professor and Head /CSE

CO-ORDINATOR  
**Mr.R.Krishnakumar,**  
AP / CSE  
+917708595303

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Department of Computer Science and Engineering conducted a webinar on “Python in industry aspects” at 21.11.2021

### Journal Publication Details

S.No	Faculty name	Paper Title	Journal Name Volume No, Month/ Year, Page Nos.	Indexed by Annexure 1/Thompson/ Scopus etc.
1	Dr.K.Chandramohan	Location of Plant Leaf Maladies Utilizing Picture Division	Journal of Image Processing and Artificial Intelligence Volume-7, Issue-3 (September-December, 2021) <a href="https://doi.org/10.46610/JOIPAI.2021.v07i03.002">https://doi.org/10.46610/JOIPAI.2021.v07i03.002</a>	e-ISSN:2581-3803
2		An Estimation and Evaluation of Network Availability in Link State Routing Networks	Journal of Network Security Computer Networks Volume-7, Issue-3 (September-December, 2021) <a href="https://doi.org/10.46610/JONSCN.2021.v07i03.003">https://doi.org/10.46610/JONSCN.2021.v07i03.003</a>	e-ISSN: 2581-639X
3		Blockchain and Reliable Mapping Scheme Utilizing Decentralized	Journal of Information Technology and Sciences Volume-7, Issue-2 (May-August, 2021)	
4	Dr.R.Umamaheswari	Location of Plant Leaf Maladies Utilizing Picture Division	Journal of Image Processing and Artificial Intelligence	e-ISSN: 2581-3803
			Volume-7, Issue-3 (September-December, 2021) <a href="https://doi.org/10.46610/JOIPAI.2021.v07i03.002">https://doi.org/10.46610/JOIPAI.2021.v07i03.002</a>	
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7		Blockchain and Reliable Mapping Scheme Utilizing Decentralized Computing Sources	Journal of Information Technology and Sciences Volume-7, Issue-2 (May-August, 2021)	

### Journal Publication Details

8	Dr. R. C. Karpagalakshmi	Location of Plant Leaf Maladies Utilizing Picture Division	Journal of Image Processing and Artificial Intelligence	e-ISSN: 2581-3803
			Volume-7, Issue-3 (September- December, 2021) <a href="https://doi.org/10.46610/JOIPAI.2021.v07i03.002">https://doi.org/10.46610/JOIPAI.2021.v07i03.002</a>	
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Blockchain and Reliable Mapping Scheme Utilizing Decentralized Computing Sources		Journal of Information Technology and Sciences Volume-7, Issue-2 (May-August, 2021)		
A Plant disease image using convolutional recurrent neural network procedure intended for big data plant classification		Journal of Intelligent and Fuzzy Systems <a href="https://doi.org/10.3233/JIFS-220747">https://doi.org/10.3233/JIFS-220747</a> . Impact Factor: 1.739, (ANNA UNIVERSITY ANNEXURE- I).	e-ISSN: 1875-8967	
14	M.S.Sabari	Location of Plant Leaf Maladies Utilizing Picture Division	Journal of Image Processing and Artificial Intelligence	e-ISSN: 2581-3803
			Volume-7, Issue-3 (September- December, 2021) <a href="https://doi.org/10.46610/JOIPAI.2021.v07i03.002">https://doi.org/10.46610/JOIPAI.2021.v07i03.002</a>	
15		An Estimation and Evaluation of Network Availability in Link State Routing Networks	Journal of Network Security Computer Networks Volume-7, Issue-3 (September-December, 2021) <a href="https://doi.org/10.46610/JONSC.N.2021.v07i03">https://doi.org/10.46610/JONSC.N.2021.v07i03</a>	e-ISSN: 2581-639X
17	J.Gayathri	Blockchain and Reliable Mapping Scheme Utilizing Decentralized Computing Sources	Journal of Information Technology and Sciences Volume-7, Issue-2 (May-August, 2021)	

**“Now is the best time to get into computer science,”  
stressing opportunities with modern tech like AI and surrounding  
yourself with smart,  
challenging problems.**

*- Sam Altman*

*Department of Computer Science and Engineering*





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Volume 9 | Issue 2 | 2021-2022

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**Gnanamani**  
College of Technology  
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INSTITUTION'S INNOVATION COUNCIL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
Organizes Seminar on

**AWARENESS PROGRAM ON JAPANESE LANGUAGE LEARNING AND OPPORTUNITIES IN JAPAN**

**Dr. S. SARAVANAN**  
Chairman and Founder,  
Gateway to Japan,  
Advisor, Technosmile Inc, Japan.

Michael Faraday Hall    Students    11.00am to 12.30pm

8489898688    29.4.2022

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Department of Computer Science and Engineering conducted a seminar on “Awareness program on Japanese language learning and opportunities in Japan” at 29.04.2022.

Department of Computer Science and Engineering conducted a webinar on “Web application Pentesting” at 13.04.2022.



**Gnanamani**  
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INSTITUTION'S INNOVATION COUNCIL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Webinar on

**WEB APPLICATION PENTESTING**

**SUDHAKAR M**  
Security Analyst,  
Primefort Private Limited,  
Chennai.

Join us

Students    3.00 Pm to 4.00 pm

13.04.2022    9524497810

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**STUDENT ACHIVEMENT**

S.No	Date	Name of the Student	Name of the Event	Name of the Title	Institution/ Organization/Society
1	07.04.2022	Hosanna Christy D	Symposium paper presentation	paper presentation(II Prize)	M.Kumarasamy college of Technology
2	08.04.2022	Srina R	Symposium events	KRYPTOZ (II Prize)	M.Kumarasamy college of Technology
3	22/4/2022	Chrysolyte P	Symposium paper presentation	paper presentation(III Prize)	Muthayammal college of Engineering
4	22/4/2022	Madhumitha S	Symposium events	Technical Quiz (I Prize)	Muthayammal college of Engineering
5	22/4/2022	Roshanraj E	Symposium events	Technical Quiz (I Prize)	Muthayammal college of Engineering
6	29.04.2022	Prakash P	Symposium events	Quiz Wizard (I Prize)	Sengunthar Engineering college
7	29.04.2022	Hariharasudhan M	Symposium events	Quiz Wizard (I Prize)	Sengunthar Engineering college
8	29.04.2022	Hosanna Christy D	Paper Presentation	Lamp Technology (I Prize)	Sengunthar Engineering college
9	06.05.2022	Vasika M	Quiz	Click &Blink (II Prize)	Sona college of technology
10	07.05.2022	Manoj Kumar D	Symposium events	Bug Guider- Debugging(I Prize)	Muthayammal Engineering college

**PROJECT PRESENTATION**

S.No	Date	Name of the Student	Name of the Event	Name of the Title	Institution/ Organization/Society
1	31/3/2022	Sivanesh M	Symposium Project Presentation	project presentation	Kongu Engineering College

**SPORTS**

S.No	Date	Name of the Student	Name of the Event	Name of the Title	Institution/ Organization/Society
1	10.04.2022	Vasanth Kumar S	8KM Mini Marathon	Participation	Kongunadu College of Engineering And Technology
2	21.04.2022	Vasanth Kumar S	Civil Service Day Marathon	Participation	Shankar IAS Academy

### Journal Publication Details

S.No	Faculty name	Paper Title	Journal Name Volume No, Month/ Year, Page Nos.	Indexed by Annexure 1/Thompson/ Scopus etc.
1	Dr.R.Umamaheswari	Deep Learning Based Plant Disease Recognition Using Visual Region Approach	Journal of Image Processing and Artificial Intelligence Volume-8, Issue-1 (January-April, 2022)	
2	S.Gopinath	Deep Learning Based Plant Disease Recognition Using Visual Region Approach	Journal of Image Processing and Artificial Intelligence Volume-8, Issue-1 (January-April, 2022), <a href="https://doi.org/10.46610/JOIPAI.2022.v08i01.003">https://doi.org/10.46610/JOIPAI.2022.v08i01.003</a>	e-ISSN: 2581-3803
3		A Plant disease image using convolutional recurrent neural network procedure intended for big data plant classification	Journal of Intelligent and Fuzzy Systems <a href="https://doi.org/10.3233/JIFS-220747">https://doi.org/10.3233/JIFS-220747</a> . Impact Factor: 1.739, (ANNA UNIVERSITY ANNEXURE-I).	e-ISSN: 1875-8967
4		Deep Learning Based Plant Disease Recognition Using Visual Region Approach	Journal of Image Processing and Artificial Intelligence Volume-8, Issue-1 (January-April, 2022)	
5	G.Kowsalya	Deep Learning Based Plant Disease Recognition Using Visual Region Approach	Journal of Image Processing and Artificial Intelligence Volume-8, Issue-1 (January-April, 2022)	

**“The people who are crazy enough to think they can change the world are the ones who do.”**

**— Steve Jobs**

