



# Atria Institute Of Technology

## About Us

The Department of Computer Science & Engineering was established in the year 2000. Department offers a wide array of research opportunities and programs of study at undergraduate and postgraduate level. The department encourages students to gain practical skills and a strong understanding of core computer science areas. It has also received funding by VGST & KSCST, Government of Karnataka and Department of Science and Technology, Government of India. Faculty and students often collaborate on projects, working side-by-side with researchers from other colleges and departments across the campus. The students get to build specialist knowledge in the field of applied computer sciences with the flexibility to follow their interest through the choice of varied optional modules, courses and electives. The vibrant academic environment and a tradition of active participation in technical events by the Computer Science & Engineering Department have resulted in publications in premier conference proceedings and leading journals.

## Odd Sem 2021-22

### VISION

TO BE A MODEL CENTER FOR EDUCATION AND HIGHER LEARNING TO MEET THE COMPUTING CHALLENGES OF THE INDUSTRIAL DEMANDS, RESEARCH, ENCOURAGE INTERDISCIPLINARY LEARNING TO MEET SOCIETAL NEEDS.

### MISSION

M1 - EMPOWER THE GRADUATES WITH THE FUNDAMENTALS IN DESIGN AND IMPLEMENTATION OF COMPUTATIONAL SYSTEMS THROUGH CURRICULUM AND RESEARCH IN COLLABORATION WITH INDUSTRIES AND INSTITUTES OF REPUTE.

M2 - TO DEVELOP A STATE-OF-THE-ART INFRASTRUCTURE AND CREATE AMBIENCE FOR EDUCATION CAPABLE OF INTERDISCIPLINARY RESEARCH AND SKILL ENHANCEMENT.

M3 - TO NURTURE FACULTY WHO HAVE ACADEMIC AND INDUSTRY EXPOSURE, TO IMPART DOMAIN KNOWLEDGE AND TO POSITION OUR STUDENTS IN THE GLOBAL IT ECOSYSTEM.

M4 - TO CARRY OUT PROFESSIONAL BRILLIANCE WITH ETHICAL AND MORAL STANDARDS

More Information:

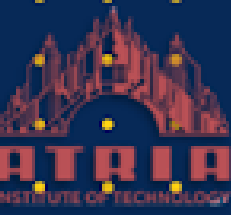
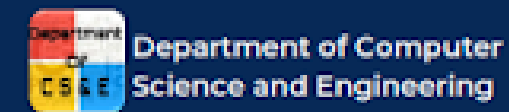
<https://atria.edu/dept-cs.php>



# Activities conducted in Jan

## TECHNICAL TALK ON ENGINEERING ETHICS

Department of CSE conducted technical seminar on 8-1-22 from 8:30 to 10.30 am on topic : engineering ethics. speaker of session was Mr. Veereshkumar Hiremath. What is Ethics? Code of Ethics, Possible source of conflicts, CSI, How to Solve problems, Principles of product, Data breach in social media, Banks, Govt. sectors, Image diagnostics, e-commerce transactions, Health care algorithms, Importance of designing and developing accurately, Stories, Importance to follow check list and maintain accuracy, Case study on Data Science



## Live Technical Talk ENGINEERING ETHICS

.....moral responsibility that a person feels

8th January 2022  
9:30 - 11:30 AM



Mr. Veereshkumar Hiremath  
Program manager (Data Science and AI)  
SkyCliff IT, Bengaluru



ISTE STUDENT CHAPTER PRESENTS

## DEVELOPING ROBUST DATABASE APPLICATIONS USING JDBC API

Resource Person:  
Prof. Jayanthi M G  
Associate Professor,  
Department of CSE  
Cambridge Institute of  
Technology, K R Puram,  
Bangalore



## WORKSHOP ON DEVELOPING ROBUST DATABASE APPLICATIONS USING JDBC API

Department of CSE conducted technical seminar on 17-1-22 on topic :Developing Robust database applications using JDBC API. speaker of session was Prof. Jayanthi M G. concepts like Connect to the database. Execute queries and update statements to the database. Retrieve the result received from the database were discussed

## WEBINAR ON APPLE IN HIGHER EDUCATION

Department of CSE conducted technical seminar on 29-1-22 on topic Apple in Higher Education and App Development. Speaker of session was Mr. Shibu M.V,Senior Techno-Commercial Manager-Apple Mobility Group, Redington India Limited, Bangalore. content discussed was Apple and higher education, App Development - Develop in Swift - Programme overview , SWIFT Curriculum Pathway, Develop in Swift - Professional Learning, Demo of SWIFT - Create a simple iPhone App using SWIFT and Xcode



**Speaker**  
**SHIBU M V**  
Senior Techno-Commercial Manager- Apple  
Mobility Group, Redington India Limited  
Bangalore  
shibu.mv@redington.co.in

Webinar on

## 'Apple in Higher Education & App Development'

Jan 29, 2022 | 11am - 12:15pm

Meet Link  
<https://redington.webex.com/redington/j.php?MTID=m2de38464851d8f500b4753e0b1138b9c>

Co-ordinator :  
Farhana Kausar  
Asst. Prof  
Dept of CSE

Convenor :  
Dr. Aishwarya P  
Prof & HoD  
Dept of CSE

ChairPerson :  
Dr. T N Sreenivasa  
Principal  
Atria Institute of Technology





# Activities conducted in Feb

## DBMS MINI PROJECT EXPO

Department of CSE conducted DBMS mini Project expo on 12-2-22. Judge for the event was of session was Mr. Prof. Jayanthi M G an Associate Professor in the Department of CSE. Her academic interests include Microprocessor and Microcontroller, Embedded System, Machine Learning, Database Management systems, Java Programming. Python and data analytics.. Projects were judged on different criterias like - E R Diagram Explanation, Cardinality Ratio, Design and architecture

ISTE Student Chapter Presents

### DBMS Project Expo

JUDGE :  
**Prof. Jayanthi M G**  
Associate Professor,  
Department of CSE,  
Cambridge Institute of  
Technology, Bangalore

DATE : 12th February 2022  
TIME : 10:00am to 1:00pm

google meet link :  
[meet.google.com/vzb-yqou-otx](https://meet.google.com/vzb-yqou-otx)

## ALUMNI FELICITATION



Atria Institute of Technology felicitated First Batch students of Computer Science & Engineering on 17th Feb 2022 for the success in Business as Aussie AI sport analytics start-up Gameface.AI has been acquired by listed sports equipment giant Slinger Bags, in a deal worth almost \$33 million. Students of the Computer Science & Engineering branch interacted with the Alumni and got insights about how to start business and be more job-givers than job seekers.

## TECH TALK ON "APPLICATIONS OF DATA STRUCTURES

Department of CSE conducted technical seminar on 4-3-22 on topic Apple in Higher Education and App Development. The Speaker Dr. Kiran K has started the session by highlighting the importance of knowing data structures for computer science courses. He elaborated with the data structures fundamental concepts and also covered advanced topics of data structures such as B trees, B+ trees, AVL trees 2-3 trees, File management etc. He also covered the real time applications of data structures. He covered graph related concepts including coloring problems.

**Speaker**  
**Dr. Kiran K**  
Associate Professor,  
Dept of CS&E,  
University Visvesvaraya College of  
Engineering,  
Bengaluru 560001

Tech talk on:  
**" Applications of Data Structures"**

March 03, 2022 | 2:00 PM      Venue: AC 403

<b>Co-ordinator :</b> Manjula M Assistant Professor Dept of CS&E	<b>Convenor :</b> Dr. Aishwarya P Prof & HOD Dept of CSE	<b>Chairperson :</b> Dr. T N Sreenivasa Principal Atria Institute of Technology
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# Activities conducted in March

## M&E TECH TALK ON “INSIGHT ON ENTREPRENEURSHIP

Department of CSE conducted Talk on insights on entrepreneurship on 4-3-2022. Speaker for the session was Mr. SANJAY A ADISESHA is a founder and CEO, Geek technologies, Visiting Prof. Dept of CS&E Atria institute of technology, Anand Nagar, Bangalore. topic discussed were- What is entrepreneurship?, -Process explained, Who is an entrepreneurship?, Traits of an entrepreneurship., Types of entrepreneurships., Types of Ownership., , rocess and procedure to build to enterprise, Types of investment., Challenges of the entrepreneurship., Problem statement of the new innovation , Entrepreneurship helping economy.



**Speaker**  
**Mr. SANJAY A ADISESHA**  
FOUNDER & CEO ,  
Geek Technologies  
Visiting Prof, Dept of CS&E,  
ATRIA INSTITUTE OF TECHNOLOGY

TECH TALK on

### "Insight on Entrepreneurship"

MARCH 04, 2022 | 2:00 PM onwards

VENUE: BC501

Co-ordinator :

Pallavi T P  
Asst. Prof  
Dept of CSE

Convenor :

Dr. Aishwarya P  
Prof & HoD  
Dept of CSE

ChairPerson :

Dr. T N Sreenivasa  
Principal  
Atria Institute of Technology



## CHRYSALIS - 2K22

Project-based learning is an instructional approach designed to give students the opportunity to develop knowledge and skills through engaging projects set around challenges and problems they may face in the real world. On context of this pedagogical approach, An open day was arranged for IOT mini projects in CSE Department on 12th March,2022. The total 64 students of 12 teams participated in this Project expo and successfully completed.

## TECHTALK ON “STUDY OF CYBER CRIMES AND ITS IMPACT IN SOCIETY”

Department of CSE conducted technical seminar on 13-5-22 on “Study of cyber crimes and its impact in society”. The Speaker was Mr.Sridhar hegde student of 7th sem cse 2. The following topics were discussed What is cybercrime? Cybercrime is any criminal activity that involves a computer, networked device or a network. While most cybercrimes are carried out in order to generate profit for the cybercriminals, some cybercrimes are carried out against computers or devices directly to damage or disable them. How cybercrime works



ISTE STUDENT CHAPTER PRESENTS

STUDY ON CYBER CRIMES  
AND THEIR IMPACT ON  
SOCIETY AND CORPORATE WORLD



**FRIDAY, 13-05-22**

VENUE : ENGLISH LAB (ADMIN BLOCK)  
TIME:9:00 AM

**RESOURCE PERSON: MR.SHRIDHARA HEGDE**  
Final year Student, CSE Department, Atria IT,  
Bangalore-24





# Activities conducted in May

## STUDENT DEVELOPMENT PROGRAM ON ENVIRONMENT AND SUSTAINABILITY USING IOT

Department of CSE conducted Talk on Environment and Sustainability using IoT from 19-05-2022 to 21-05-2022. Speaker for the session was Dr.Srinivas setty. Dept of CS&E Atria institute of technology, Anand Nagar, Bangalore. topic discussed were- Transmit a string using UART , Point-to-Point communication of two Motes over the radio frequency. Multi-point to single point communication of Motes over the radio frequency.LAN (Subnetting), I2C protocol study , Reading Temperature and Relative Humidity value from the senso

**ATRIA INSTITUTE OF TECHNOLOGY**  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
**SDP on "Environment and Sustainability using IoT"**  
DATE: 19 - 21 MAY 2022  
VENUE: AC 403  
Dr. Sreenivasa Setty  
CTO, SST Technologies  
Bangalore



## INDUSTRIAL VISIT TO ETHNUS SOFTWARE SOLUTION

An Industrial visit to "Ethnus" SST Chambers, Jayanagar 5th block, Bengaluru – 560041 was organized by the Department of Computer Science and Engineering of Atria Institute of Technology on 21st of May 2022.

There were sixty four students of 6th sem who attended this Industrial visit along with three Faculty members.

## ALUMNI CONNECT - TALK BY ALUMNI ON "WHAT COMPANIES ARE LOOKING FOR IN YOU"?

The alumni are the best examples of how the Department progresses in the positive plane. To encourage and inspire the budding engineers of the Department, in the various series of Alumni Talks, in a session by Ms. Ananya Sen on "What are the Companies looking for in a candidate" to encourage the students to groom themselves to become productive by their graduation.

**ATRIA INSTITUTE OF TECHNOLOGY**  
ALUMNI TALK  
on  
*what are companies looking for in a candidate?*  
Ms. ANANYA SEN  
Workforce Management Lead  
MINDTREE  
ALUMNI CS & E  
DATE : 28th MAY 2022  
TIME: 9:30 - 10:30am  
Google meet link:  
<https://meet.google.com/bvr-ksgn-agq>  
scan to join google meet



# Activities conducted in May

## FUNDAMENTALS OF AZURE AND CLOUD COMPUTING

Department of CSE conducted Talk on Fundamentals of azure and cloud computing on 31-5-2022. Speaker for the session was Mr. Prasanatha.BP. This course introduce students to the Cloud. The various types of Cloud services including IaaS, PaaS and SaaS as well as an overview of the services offered by Azure. Examine how manage Azure from the Classic and New Portal as well as via Azure PowerShell. The content provides learning Microsoft Azure. Students who are administrators, developers, or database administrators benefit from learning the fundamentals covered in this course.



**RESOURCE PERSON**  
**Mr. PRASHANTH P B**  
HEAD of Indian operation,  
TTG Tech Solution PVT LTD.

WORKSHOP ON

### "FUNDAMENTALS OF MICROSOFT CLOUD COMPUTING (AZURE) "

MAY 31th 2022 | 10:00 AM to 01:00 PM | venue : AC 403

**Co-ordinator :**  
Mrs. Rakshitha P  
Asst. Prof  
Dept of CSE

**Convenor :**  
Dr. Aishwarya P  
Prof & HoD  
Dept of CSE

**ChairPerson :**  
Dr. T N Sreenivasa  
Principal  
Atria IT



**Speaker**  
**Dr. Usha S P**  
Head of the Library,  
Atria Institute of Technology

ACTIVITY ON

### " Awareness of Library Resources "

MAY 30th, 2022 | 12: PM - 1:30 PM | Venue: AC406

**Co-ordinator :**  
Mr. Chikkakrishna T K  
Asst. Prof  
Dept of CSE

**Convenor :**  
Dr. Aishwarya P  
Prof & HoD  
Dept of CSE

**Chair Person :**  
Dr. T N Sreenivasa  
Principal  
Atria IT

## AWARENESS OF LIBRARY RESOURCES

Talk on Library E-resources was held on 30-05-2022 Monday (12 pm-1.30 pm) by Librarian Dr. Usha P S. She has given Information about the Total no books available in the Library like 30,000 Books, Newspapers, Magzines etc.It also contains Technical, National and International journals,e-books, Encyclopedias and other Multimedia resources.The Vision and Mision of library was explained in the Beginning, They gave Details about VTU-E-Consorrtium, DELNET,NDLI etc

## INDUSTRIAL VISIT TO ETHNUS SOFTWARE SOLUTION

An Industrial visit to "Ethnus" SST Chambers, Jayanagar 5th block, Bengaluru – 560041 was organized by the Department of Computer Science and Engineering of Atria Institute of Technology on 9th of June 2022.

There were sixty four students of 4th sem who attended this Industrial visit along with three Faculty members.





# Activities conducted in June

## PROJECT HARIYALI

Department of CSE conducted Talk on Fundamentals of azure and cloud computing on 06-6-2022. List of activities conducted were Walkathon, Environ Quiz, Plant a Sapling, Short film on Environment. Walkathon was one of the main events under Project Hariyali. The event was flagged off by our principal Dr. T N Sreenivas. Walkathon was one of the main events under Project Hariyali. The event was flagged off by our principal Dr. T N Sreenivas.



## AWARENESS OF LIBRARY RESOURCES

Talk on Library E-resources was held on 9th June 2022 by Librarian Dr. Usha P S. She has given Information about the Total no books available in the Library like 30,000 Books, Newspapers, Magzines etc. It also contains Technical, National and International journals, e-books, Encyclopedias and other Multimedia resources. The Vision and Mision of library was explained in the Beginning, They gave Details about VTU-E-Consorrrium, DELNET, NDLI etc



## BOOTCAMP ON JAVA

Boot camp on java was conducted by Department of CSE. Speaker of the session was Mr. Maqum sharif. Topics covered in the session are:

1. Introduction to JAVA.
2. Inheritance, Polymorphism.
3. Function overloading & overriding
4. Hands-on session on above topics




**ATRIA INSTITUTE OF TECHNOLOGY**  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



**Resource Person**  
**Mr. Maqum Shariff**  
Assistant Professor  
Atria IT, Bangalore

**Date: 11th June 2022**  
**Time: 9:30am**  
**Venue:**  
Main Seminar Hall

**BOOTCAMP  
ON JAVA**

**REGISTRATION LINK:**  
<https://forms.gle/zUvDLHRAdyFt>

Scan for registration



# Activities conducted in June

## “STUDY TIPS ON MAKING LEARNING EFFORTLESS”

Department of CSE conducted Talk on “Study tips on making learning effortless” on 06-6-2022 for 2nd sem students of B and C Sec. Speaker for the session was Ms. Viviana. study tips like - Pick a place and time, Study every day, Plan your time, Discover your learning style, Review and revise, Take breaks, Ask for help, Stay motivated, App it up, Look after yourself were shared with students.

**ATRIA INSTITUTE OF TECHNOLOGY**  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**Ms. Viviana**  
Freelance Brand Designer  
and Strategist  
Topper of Batch 2021  
Computer Science & Engineering

**ALUMNI TALK ON**  
**STUDY TIPS THAT MAKES LEARNING EFFORTLESS**  
Date: 11th June 2022 | Time: 9:30am to 10:30am

Google Meet joining info  
Video call link: <https://meet.google.com/nar-qogk-lux>  
Or dial: (US) +1 980-999-2701 PIN: 365 647 9154

Hosted by:  
**Mrs. Pallavi N**  
Ph. no: 8050890430

**Dr. Aishwarya P**  
Prof & HoD  
Dept of CS & E

**Dr. T N Sreenivas**  
Principal  
Atria IT



## INDUSTRIAL VISIT TO CAPGEMINI

An Industrial visit to Capgemini - Bangalore 560066, India 158-162(P) & 165 - 170(P), EPIP Phase II, Whitefield, was organized by the Department of Computer Science and Engineering of Atria Institute of Technology on the 16th of June 2022. There were 6 students from the in-campus C2TC training program conducted by the TNS India Foundation who attended this Industrial visit along with the technical trainer. The session started by interacting with the Vice President, Delivery Exec.

## VI & VIII SEM PTM

The Department of Computer Science and Engineering had organized a Parent-Teacher meet on Saturday, 18th June 2022. It was conducted in the online mode. The purpose behind arranging this meet was to interact with parents of students and to make them aware about the Vision, Mission, PEOs of the department along with the performance of their ward at institute.

During the session there was a personal meet with Class teachers and subject teacher.

DEPT OF CSE						
VIA - IIA TEST MARKS (Even sem 2022)						
SS&C(1SC861)	CG(1SC862)	WEB(1SC863)	DM(1SC864)	CC(1SC8643)	CNR(1SCY656)	NCES(183)
36	30	ab		39	33	
36	36	38	33		39	
40	40	37		36	38	
A	38	ab		A		
A	38	ab		40		AB
10	18	31		26	26	
25	36	ab		29	40	
A	29	ab		37	39	
40	40	36	37		35	
49	40	39		40	39	
49	40	36	A		31	
39	40	16		27	36	
29	AB	37		A	AB	
38	40	29		33	36	
27	40	28		31	39	



