



CSI NEWSLETTER 2020-21

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES



CSI NEWSLETTER



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES

UGC Autonomous

Permanently affiliated to Andhra University

Approved by AICTE,

Accredited with 'A' grade by NBA and NAAC,

Sangivalasa – 531162, Bheemunipatnam Mandal,

Visakhapatnam Dist., Andhra Pradesh.

Department of Computer Science and Engineering.

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ANITS.

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The cure for boredom is curiosity



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Prof. Dr. R. Sivaranjani
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COMPUTER SOCIETY OF INDIA STUDENT BRANCH IN ANITS

Computer Society of India (CSI) is the first and the largest body of computer professionals in India. It was started on 6th March, 1965 by a few computer professionals and has now grown to be the national body representing computer professionals.

Vision:

- CSI is a non-profit professional society and meet to exchange views and information, learn and share ideas.
- The wide spectrum of members is committed to the advancement of theory and practice of Computer Engineering and Technology Systems, Science and Engineering, Information Processing and related Arts and Sciences.

Mission:

- Facilitate Research, Knowledge Sharing, Learning Enhancement for all categories of IT professionals.
- Inspire, nurture and assist new entrants to integrate into the IT community.
- Percolation of IT advancement benefits to all Indians.



Technical Education is the Stepping stone in every engineering student's life. Students of ANITS-CSI have always been successfully presenting their technical skills in various activities. As a student branch counsellor (ANITS-CSI-SBC), it's a great opportunity for me to enhance student's skills by organizing Guest Lectures, Seminars, Coding Contests and many other technical events. ANITS CSI Student branch is one among very active participants of CSI and it is gratifying to be a part of it.

S. JOSHUA JOHNSON,
STUDENT BRANCH
COUNSELLOR (SBC), CSI,
Asst. Professor, CSE.

DEPARTMENT OF CSE

CSI STUDENT BRANCH COORDINATORS

2020-21 ANITS-CSI EXECUTIVE BODY

Sno	Name	Year	Roll No	Post
1	G.Pavan Sai Kumar	4th	317126510072	President
2	S.Gowtham Kumar	4th	317126510115	Vice President
3	Ch.Vinay	4th	317126510131	Secretary
4	S.Nidhin Prasad	4th	317126510162	Treasurer
5	G Nikhil	4th	318126510L06	Student-SPOC
6	K Mukesh	4th	318126510L20	Executive Member
7	S Dinesh -	4th	317126510170	Executive Member
8	Deepak	4th	317126510138	Executive Member
9	Krishna Reddy	4th	317126510135	Executive Member
10	Karthik	4th	317126510154	Executive Member
11	Manoj Varma	4th	317126510130	Executive Member
12	Jyothi Sreemayee V	3rd	318126510023	Executive Member
13	T Akhilesh	3rd	318126510051	Executive Member
14	K Sneha Kiran	3rd	318126510081	Executive Member
15	N Sai Chaitanya Reddy	3rd	318126510099	Executive Member
16	B Chandrasekhar Naidu	3rd	318126510158	Executive Member
17	V Amulya Harika	3rd	319126510L13	Executive Member

WHO DOES WHAT???????

The executive body of CSI comprises a President, a Vice president, a Secretary, a Treasurer, a SPOC and other members. The members are elected fairly in the presence of faculty coordinators.

- President being the main lead of the force monitors and manages all the events carried out under CSI for the academic year 2020 - 2021, G Pavan Sai Kumar (317126510072) was elected as the president with his interest and acceptance by the other members.
- S Gowtham Kumar (317126510115) was elected for the role of Vice-President, who manages the team in the absence of President and helps the team by joining President in decision-making
- Ch Vinay (317126510131) was elected for the role of Secretary who would represent the team with his eloquence.
- Nidhin Prasad (317126510162) was elected as the Treasurer who will manage and is responsible for all the financial matters of the body.
- G Nikhil was elected as the Single Point of Contact who will be knowing all the things and issues and solves the problems if any, either in the student body or in the events.
- The other executive members are :
 - K Mukesh - 3/4 CSE B
 - S Dinesh - 3/4 CSE C
 - Deepak - 3/4 CSE C
 - Krishna Reddy - 3/4 CSE C
 - Karthik - 3/4 CSE C
 - Jyothi Sreemayee V - 2/4 CSE A
 - T Akhilesh - 2/4 CSE A
 - K Sneha Kiran - 2/4 CSE B
 - N Sai Chaitanya Reddy - 2/4 CSE B
 - B Chandrasekhar Naidu - 2/4 CSE C
 - V Amulya Harika - 2/4 CSE C

LIST OF EVENTS ORGANIZED

S.No	Event Name	Event Type	Schedule	Resource Person With Designation	No. Of Participants	Target Audience
1	ONLINE TRAINING CLASSES	CODING CLASS	2 WEEKS TRAINING PROGRAM PHASE 2 04-06-2020 11-06-2020	Mr. Surya Teja (316126510041) , Suvarna Raju Chevati(316126510008), 4/4 CSE-A,ANITS	70	2 nd Year CSE
2	INTRODUCTION TO BIO-INFORMATICS	WEBINAR	06-06-2020	Dr.Ravi kanth Reddy Sathi	75	Participants all over Andhrapradesh
3	HACK THE QUARANTINE	NATIONAL LEVEL HACKATHON	08-06-2020	ANITS-CSE-CSI TEAM	122	Participants all over India
4	SOFTWARE INDUSTRY-TOOLS AND METHODOLOGIES-PHASE 1	WEBINAR-Guest lecture	12-06-2020 13-06-2020 14-06-2020	SESSION-1:Mr. Srinivas Eswarapu,Sr. Cloud Architect,Portland Oregon,US SESSION-2:Mr. JVS Chaitanya,Sr Software Development Engineer,Product Development,Kony Labs, Hyderabad. SESSION-3:Dr. Sridhar Swaminathan,Assistant Professor,CSE,Bennet University, Greater Noida,India.	100 75 60	2 nd Year , 3 rd Year CSE

5	SOFTWARE INDUSTRY-TOOLS AND METHODOLOGIES- PHASE 2	WEBINAR- Guest lecture	19-06-2020 20-06-2020	SESSION- 1:Mr.Satyaram Antharvedi, Sr. Software Engineer, HCL, Bangalore SESSION-2: Mr. Sriharsha Dommeti, Sr Developer, Deloitte	70 50	2 nd Year , 3 rd Year CSE
6	SOFTWARE INDUSTRY-TOOLS AND METHODOLOGIES- PHASE 3	WEBINAR- Guest lecture	03-07-2020 04-07-2020	SESSION-1:Mr. Shyam Vamsi Tekumudi, Full- Stack Developer SESSION-2: Gurunaidu Pinninti, Data Scientist, Aida Technologies, Singapore.	50 50	2 nd Year , 3 rd Year CSE
7	Changes, Challenges and Opportunity in GATE EXAM	Training/ Awareness Program	12-09-2020	TIME-TEAM	74	3 rd Year , 4 th Year All Branches
8	CAREER OPPORTUNITIES THROUGH IB HUBS	Training/ Awareness Program	13-09-2020	K Naga Sai, Alumni, Software Developer, IBHubs	30	2 nd Year , 3 rd ,4 th Year CSE
9	Hands-on AI and ML with python	Workshop	18-09-2020	Ramji Bora ,Senior Project Engineer, Machint Solutions	115	2 nd Year CSE
10	CSI ORIENTATION SESSION -2019-20 JOINED BATCH	Orientation Program	29-11-2020	ANITS-CSI-TEAM	100	2 nd Year CSE
11	CAPTURE THE FLAG 2.0	Coding Contest	22-12-2020	ANITS-CSI-TEAM	21	2 nd Year , 3 rd Year CSE
12	CSI-ORIENTATION SESSION-FIRST YEAR-2020-21- ADMITTED BATCH	Orientation	01-02-2021	S.Joshua Johnson, Asst Prof, CSE Department And ANITS-CSI-TEAM	150	1 st Year CSE,CSM,CS D
13	“Emerging Technologies - Coding Paradigms”.	Seminar	27-02-2021	S. Gowtham Kumar- 317126510115 IV/IV CSE	50	1 st Year CSE,CSM,CS D

14	FIRST YEAR PROGRAMMING CLASSES	CODING CLASS	From 13-03-2021	G Pavan Sai Kumar, 317126510072 IV/IV CSE	30 per session	1 st Year CSE,CSM,CS D
15	TQuiz`21	Coding Contest	02-04-2021	ANITS-CSI-TEAM	67	1 st Year CSE,CSM,CS D
16	LOCKTHELOGIC'21	Coding Contest	10-04-2021	ANITS-CSI-TEAM	15	2 nd Year CSE
17	TRAVERSE 21	Coding Contest	10-04-2021	ANITS-CSI-TEAM	27	3 rd Year CSE
18	INTERVIEW EXPERIENCES AND RESUME WRITING SESSIONS	Training/ Awareness Program	29-05-2021	Surya Teja (Software Developer@Delhivery - Upcoming SDE@Amazon) Suvarna raju (Software developer @ Accenture) Aditya Adida (Cloud Support Associate @ Amazon Web Services) Sesh Sai (Cloud Support Associate @ Amazon Web Services) Alekyia K (Business Development Associate, Byju's Education)	20	3 rd Year CSE

ONLINE TRAINING CLASSES

The Department of CSE, ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES (ANITS), IN ASSOCIATION WITH CSI STUDENT CHAPTER, REGION-V has conducted **ONLINE TRAINING SESSIONS-Phase 2** for second year students during the lockdown period, in order not to break the learning chain of the students.

The resource persons, Mr. SuryaTeja (316126510041) , SuvarnaRaju Chevati (316126510008) , of 4/4 CSE,ANITS has discussed Linked list on 04-06-2020 (WEEK 3) and Binary Search and Sorting on 11-06-2020 (WEEK 4).

A total of 15 problems have been given and solved by the resource persons and the doubts were clarified in the meantime by the time second session has started in the fourth week. Nearly 75 members have participated in the Session.

The sessions enhanced the knowledge of students and made them ready for different online coding classes, and competitions.

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES DEPARTMENT OF CSE-ANITS CSI STUDENT BRANCH ONLINE TRAINING SESSIONS FOR 2ND YEAR STUDENTS

The screenshot displays a virtual classroom interface with two slides. The top-left slide contains a problem statement: "(1) There is city full of buildings. Each building will have its own height. Given an array of heights of buildings. Its a rainy season. Rain water will be trapped between the buildings if rain comes. You have to output the area of water trapped between the buildings." Below the text is a bar chart with heights [0, 1, 2, 3, 4, 5, 6, 7, 8, 9] and a corresponding array $h \rightarrow [1, 0, 2, 1, 0, 1, 3, 2, 1, 2]$. The top-right slide shows a problem: "(2) Given an array of n integers find minimum value of $|A[i]-A[j]|$ where $0 \leq i < j < n$ " with an example $a = [5, 3, 10, 20, 4] \rightarrow \text{ans} = 1$. The bottom-left slide shows a bar chart with heights [6, 5, 6, 5] and a corresponding array $h \rightarrow [6, 5, 6, 5]$. The bottom-right slide shows a problem: "Given array of n integers find out the maximum value of $|A[i]-A[j]| + |i-j|$ where $0 \leq i < j < n$ ". The interface includes a central vertical column of participant avatars and a horizontal row of avatars at the top.

INTRODUCTION TO BIO-INFORMATICS

The Guest discussed the following in the webinar:

Bioinformatics is an interdisciplinary field mainly involving molecular biology and genetics, computer science, mathematics, and statistics. Data intensive, large-scale biological problems are addressed from a computational point of view. The most common problems are modelling biological processes at the molecular level and making inferences from collected data.

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Sangivalsa - 531162, Bheemunipatnam Mandal, Visakhapatnam.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CSI STUDENT BRANCH REGION-V
INSTITUTIONAL MEMBER
MEMBERSHIP ID-101002
WEBINAR
ON
INTRODUCTION TO BIOINFORMATICS

DATE: 6TH JUNE 2020
VENUE : STAY HOME ! STAY SAFE ! (GOTO CALL)
Registration link: <https://bit.ly/3dsIejv>
TIMINGS: 10 AM ONWARDS

contact details
PrudhviRaj : 9390023399
Chaitanya : 8500928956
Srimayee : 9059725707
Sneha : 9000343908

Dr. Ravi Kanth Reddy Sathi
Sr Manager , CSV
Fluent Grid Limited.

Speaker Profile:
<https://www.linkedin.com/in/srkrvizag/>

S. JOSHUA JOHNSON,
STUDENT BRANCH COUNSELLOR (SBC), CSI,
Asst. Professor, CSE.

Prof. Dr. R. Sivaranjani
Head of the Department, CSE, ANITS.

A bioinformatics solution usually involves the following steps: Collect statistics from biological data. Build a computational model. Solve a computational modelling problem. Test and evaluate a computational algorithm. This chapter gives a brief introduction to bioinformatics by first providing an introduction to biological terminology and then discussing some classical bioinformatics problems organized by the types of data sources.

Sequence analysis is the analysis of DNA and protein sequences for clues regarding function and includes sub problems such as identification of homologs, multiple sequence alignment, searching sequence patterns, and evolutionary analyses. Protein structures are three-dimensional data and the associated problems are structure prediction (secondary and tertiary), analysis of protein structures for clues regarding function, and structural alignment. Gene expression data is usually represented as matrices and analysis of microarray data mostly involves statistics analysis, classification, and clustering approaches.

Biological networks such as gene regulatory networks, metabolic pathways, and protein-protein interaction networks are usually modelled as graphs and graph theoretic approaches are used to solve associated problems such as construction and analysis of large-scale networks.

Then, the session ended with thanks.

HACK THE QUARANTINE

HackTheQuarantine is a national competition organized by the Team of CSI ANITS. The Competition was conducted for a complete week and the Team put their complete efforts to make the competition successful.

As a result, the Competition was a huge success!!!

A promotional poster for the Hack The Quarantine hackathon. The background is black with red and white text and graphics. At the top left is the ANITS logo with the motto 'DRAGYANAM BRABHMA'. At the top right is the Computer Society of India logo, established in 1965, with the motto 'सर्वं भवन्तु सृष्टिनः'. The main text in the center reads: 'ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES (A) Department of CSE in association with ANITS CSI Student Branch Region - V PRESENTS HACK THE QUARANTINE - A National Level Hackathon'. Below this, there are several colored banners: a pink one for 'Registration Fee: 20 INR per head', a white one for 'Registration Link: bit.ly/htqanits', a purple one for 'Exciting Cash Prizes !!', and a black one with white text for '4 DIFFERENT LEVELS - 28 STATES - 8 UTs COMPETE - CODE - WIN - Be The Only One'. It also states 'EVERY LEVEL'S PATTERN WILL BE ANNOUNCED 1 HOUR BEFORE THE TIME OF THE RESPECTED LEVEL' and provides contact info for 'ANITS CSI SBC S Joshua Johnson, Asst. Professor, CSE, ANITS, Phone: +91 95733 82650'. At the bottom, a blue banner says 'Last Date For Registration 7th June 2020'. A light blue box at the bottom left lists 'For Details and Registrations Pavan Getta - +91 79891 80291 Nidhin - +91 89857 38698'. Small text at the bottom right notes '*certificates will be given to every participant' and '*cash prize is subjective'.

ANIL NEERUKONDA INSTITUTE
OF TECHNOLOGY AND
SCIENCES (A)

Department of CSE
in association with
ANITS CSI Student Branch

Region - V

PRESENTS

HACK THE QUARANTINE

- A National Level Hackathon



Registration Fee: 20 INR per head

Registration Link: bit.ly/htqanits

Exciting Cash Prizes !!

**4 DIFFERENT LEVELS - 28 STATES - 8 UTs
COMPETE - CODE - WIN - Be The Only One**

**EVERY LEVEL'S PATTERN WILL BE ANNOUNCED 1 HOUR BEFORE THE
TIME OF THE RESPECTED LEVEL**

ANITS CSI SBC

S Joshua Johnson,

Asst. Professor, CSE, ANITS, Phone: +91 95733 82650

For Details and Registrations

Pavan Getta - +91 79891 80291

Nidhin - +91 89857 38698

Last Date For Registration

7th June 2020

*certificates will be given to every participant

*cash prize is subjective

SOFTWARE INDUSTRY-TOOLS AND METHODOLOGIES PHASE 1-SESSION-1

DATE: - 12 June 2020

Number of participants: - 100

Objective: - Participants to know about the Needs of tools and technologies to kick start a career.



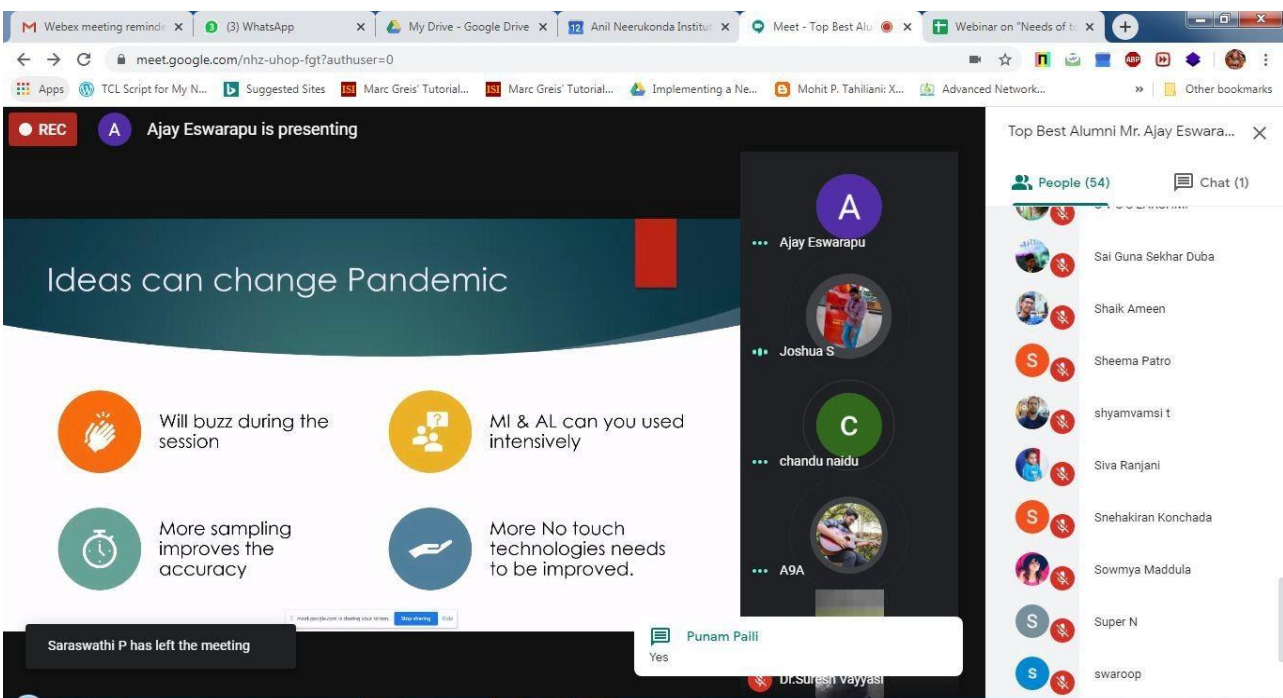
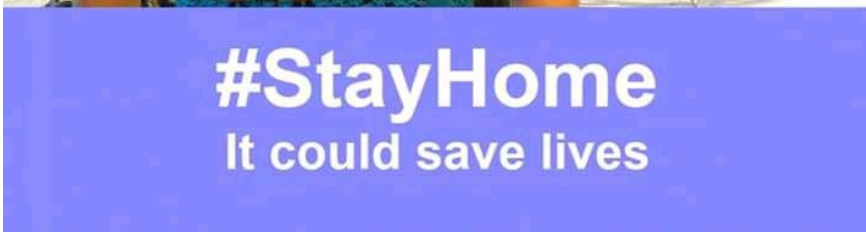
Name of the resource person:-
Mr. Srinivas Eswarapu, SrCloud Architect , Portland Oregon USA

Mr Srinivas Eswarapu started his speech by extending his gratitude to the participants who attended the webinar.

Technology is everything now in this running world and whatever the age might be , the most needed aspect of his/her day is technology and it makes life a way more easier.

Sir introduced a few ideas and technologies that the present generation needed.

Mr Srinivas mainly focused on how to change the situation of people in COVID-19 Pandemic. He said that “We are all facing the challenges that life is throwing at

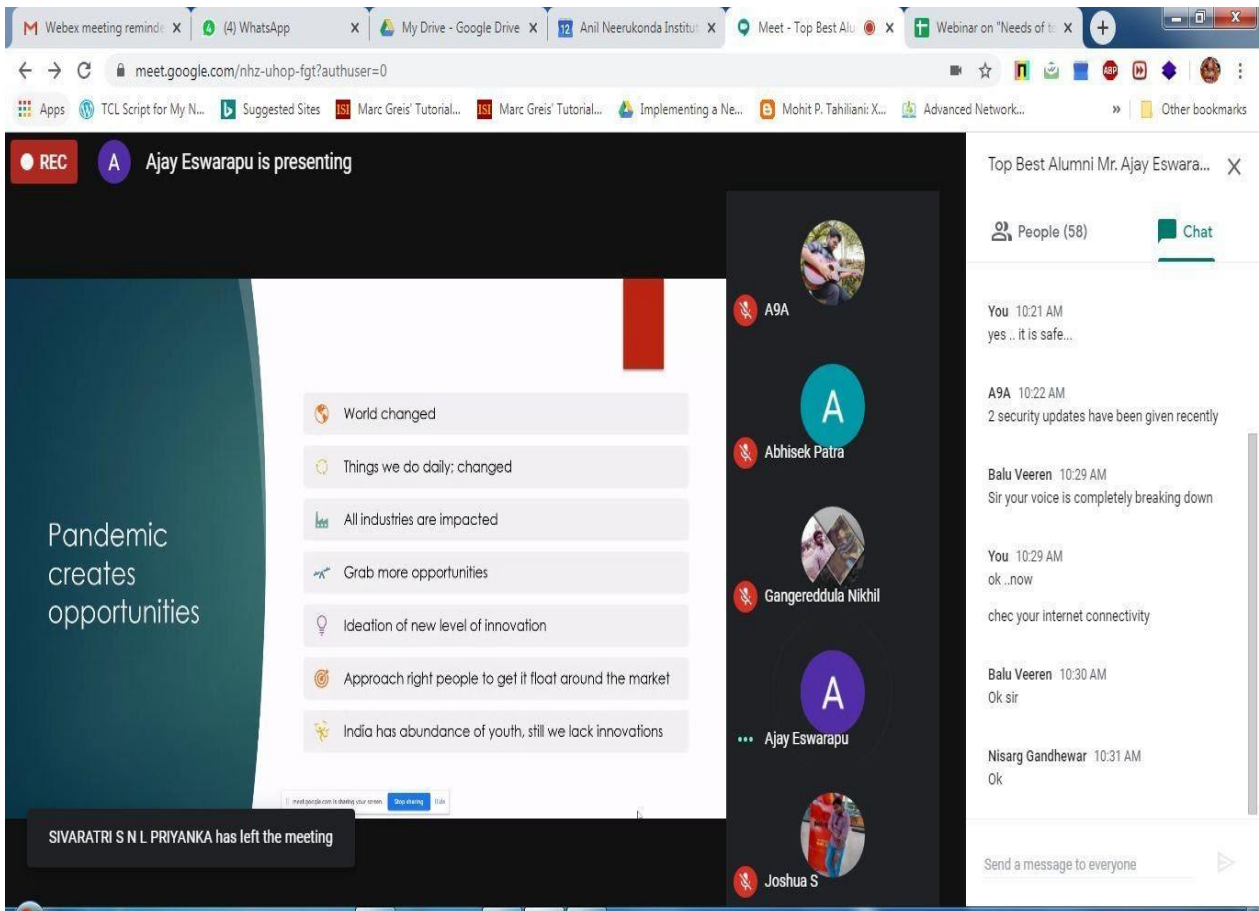


us and neither crisis nor the pandemic should jeopardize our career”.
Later sir discussed a few opportunities that were created by the COVID-19 pandemic.

The opportunities that were created by the **chaos monkey** and **zoom meetings** made people closer during the Pandemic.

After his lecture, he answered all the queries that were raised by the Participants.

Finally the session concluded by advising all the participants to stay home and stay safe in this quarantine and wishing them good luck for the future.



SOFTWARE INDUSTRY-TOOLS AND METHODOLOGIES

PHASE 2-SESSION-2

DATE: - 20th June 2020

Number of participants: - 50

Objective: - Development of spring boot and web services

Name of the resource person:- Mr. Sriharsha Dommeti, Sr Developer, Deloitte

Mr. Sriharsha started his seminar by extending his gratitude to the participants who attended.

Mr. Sriharsha works as a Spring Boot Designer. He started his topic by raising a question to participants about “What is Spring Boot?”. Most of the participants don’t have any idea about Spring Boot.

Spring Boot is an open source Java-based framework used to create a micro Service. It is developed by Pivotal Team and is used to build stand-alone and production ready spring applications.

He said “Spring Boot provides a good platform for Java developers to develop a stand-alone and production-grade spring application that you can just run. You can get started with minimum configurations without the need for an entire Spring configuration setup.”

Why Do We Need a Spring Boot?

We can choose Spring Boot because:-

- It provides a flexible way to configure Java Beans, XML configurations, and Database Transactions.
- In Spring Boot, everything is auto configured; no manual configurations are needed.
- It offers annotation-based spring applications.
- Eases dependency management.

Later Harsha explained how to create a project in Spring Boot. The Process is as follows:-

Creating a Project in Spring Boot

1. Use start.spring.io to create a “web” project. In the “Dependencies” dialog search for and add the “web” dependency.

2. Hit the “Generate” button, download the zip, and unpack it into a folder on your computer.

Projects created by start.spring.io contain Spring Boot, a framework that makes Spring ready to work inside your app, but without much code or configuration required. Spring Boot is the quickest and most popular way to start Spring projects.

3. Open up the project in your IDE and locate the DemoApplication.java file in :- **src**
/main/java/com/example/demo folder.

Now change the contents of the file by adding the extra method and annotations shown in the code below. You can copy and paste the code or just type it.

4. Build a Spring Boot Application and run the program.

Open a command line (or terminal) and navigate to the folder where you have the project files. We can build and run the application by issuing the following command:

mvnw spring-boot:run

Later a small code was built and executed.

He explained the importance of the Spring Boot role in future technologies and its rapid growth. All the doubts were solved by him at the end of the session. The session ended by advising all the participants to stay safe at home and get updated with the current technology.

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Department of CSE
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PRESENTS

WEBINAR
ON
SOFTWARE INDUSTRY - TOOLS AND METHODOLOGIES, PHASE - II

 **Mr. Satyaram Antharvedi, Sr. Software Engineer, HCL, Bangalore**
June 19th 2020, 11 AM - 12 PM
Topic: Xamarin CrossPlatform App Development

Mr. Sriharsha Dommeti, Sr. Developer, Deloitte
June 20th 2020, 10 AM - 11 AM
Topic: Development of Spring boot and Web services



Registration Link: <https://bit.ly/atanits>

Faculty coordinators
Mr G.Jagadish
Assistant Professor (9441345914)

Head Of the Department
Dr. R. Sivaranjani

Principal
Prof.T.V.Hanumantha Rao

SOFTWARE INDUSTRY-TOOLS AND METHODOLOGIES

PHASE 3-SESSION-1

DATE: - 3rd July 2020

Number of participants: - 50

Objective: - Industry IT Trends Tools, Emerging Areas of Enterprise AI & its infusion in Applications

Name of the resource person:- Mr. Shyam Vamsi Tekumudi , Full Stack Developer

Mr. Shyam Vamsi is the alumni of Anil Neerukonda Institute of Technology and Sciences. In the webinar he mainly concentrated on the current IT trends. According to him the current 10 emerging IT Trends are:-

1. AI
2. Blockchain
3. Cyber Security
4. Drones
5. Edge Computing
6. IOT
7. Quantum Computing
8. Virtual Reality
9. 3D Painting
10. 5G

These are the future IT Trends and for the status of these Technologies, he explained about few IT Trend Tools. They are: Google Alerts, Google Trends, Feedly, Topsy, BuzzFeed Social Mentions, Viral Video Chart and etc.

Shyam is very interested in Artificial Intelligence and he gave a good view on what is AI? Artificial intelligence (AI) is the simulation of human intelligence processes by machines, especially computer systems.

Later as module 2 , he explained his interest in Emerging Areas of Enterprise AI.

According to KPMG the eight key trends deploying technology, organization, capital, and data strategies for AI success are:-

- Predictive Analytics.
- Higher Use Of Anomaly Detection.
- Machine Learning-Driven Cybersecurity.
- More User-Friendly AI Platforms With Increased Adoption.
- AI For Productivity And Work Balance.

He described AI as a game-changer. “Despite it being many decades old, it’s only recently been globally adopted by a wide range of businesses and industries. Identifying and capitalizing on AI trends can keep your company one step ahead of competitors while achieving a higher level of productivity.”

Later a small Q&A session happened and many doubts were raised on the technologies and the roadmaps of technologies. Mr. Shyam clarified all the doubts and encouraged the participants to learn new technologies and implement them in current situations.

Finally the session ended.

 **ANITS**
PRAGNANAM BRAHMA

Anil Neerukonda Institute of Technology & Sciences (Autonomous),
Sangivalasa, Visakhapatnam - 531162

 **COMPUTER SOCIETY OF INDIA**
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WEBINAR
ON
SOFTWARE INDUSTRY – TOOLS AND METHODOLOGIES, PHASE – III


Shyam Vamsi Tekumudi, Full Stack Developer
July 3rd 2020, 1PM - 3 PM
Topic: Industry IT Trends, Tools, Emerging Areas of Enterprise AI & its infusion in Applications

Gurunaidu Pinninti, Data Scientist, AiDA Technologies, Singapore
July 4th 2020, 10 AM - 11:30 AM
Topic: Exploratory Data Analysis and Design Thinking



Registration Link: <https://bit.ly/atanits>

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CHANGES, CHALLENGES AND OPPORTUNITIES IN GATE EXAM

Interactive webinar on gate examination 2021 and major changes that are made in this academic year , this was conducted on 12-09-2020 at afternoon by time institute ,this was addressed by the management of time ,this session was interactive and most important session ,

He divided the entire lecture into four parts ,the list given below:

1. All about gate 2021/major changes
2. Career opportunities through gate
3. Exam paper pattern, changes syllabi
4. Exam strategy

The screenshot shows a webinar interface with a video feed of the speaker on the left and a presentation slide on the right. The slide is titled "All About GATE 21 Exam | Major Changes" and features the TIME logo. It lists four topics in a blue vertical bar:

- 01 All About GATE 21 Exam | Major Changes
- 02 Career Opportunities through GATE
- 03 Exam Paper Pattern & Change in GATE Syllabi Changes
- 04 Exam Preparation Strategy

He then started about the student registration vs paper organised by the institute, and this is the statistical data that he presented and explained to us.



After discussing about the previous year papers and pattern ,difficulty level of papers etc ,this year the paper of 2021 was organised by IIT BOMBAY and later he discussed the important dates of the gate Examination .

Important Dates

- GATE Online Application Processing System (GOAPS) Website Opens: MONDAY, 14th Sep 2020
- Closing Date of REGULAR online registration/ application portal: WEDNESDAY, 30th Sep 2020
- End of Extended period for online Registration / application (with late fee): WEDNESDAY, 7th Oct 2020
- Last Date for change of Category, Paper and Examination City (an additional fee will be applicable): FRIDAY, 13th Nov 2020
- Admit Card will be available in the Online Application Portal (for printing): FRIDAY, 8th Jan 2021
- Announcement of the Results in the Online Application Portal: MONDAY, 22nd Mar 2021

FEBRUARY 2021

Week	M	T	W	T	F	S	S
01						5	6
02						12	13
03							
04							
05							

This year there is change in attempts ,exam pattern ,syllabus etc ,this every aspirants who want to crack exam they have two chances ,this score is valid for three years ,third year students can also attempt the gate examination along with fourth year student .they added two new papers for 2021.

Important Changes

- 01 Eligibility Criteria**
-3rd Years are Eligible
- 02 Increased No. of Paper Attempts**
- 03 Addition of 2 New Papers**
- 04 ONE or TWO subject papers allowed**
- 05 Paper Pattern & Syllabi Changes**

After discussing about changes he said about the paper selection as I previously mentioned above that this year we can attempt two paper at a stretch like as we are from computer science student we will attempt our core subjects paper and also the mathematics paper too likewise for each every dept they have multiple papers to attempt and the details are below

Paper Selection Options

Code of the First Paper (Primary)	Codes of Papers allowed as the Second Paper	Code of the First Paper (Primary)	Codes of Papers allowed as the Second Paper	Code of the First Paper (Primary)	Codes of Papers allowed as the Second Paper
AR	CE	AE	XE	PH	EC / GG / IN / MA / MT / ST
BM	BT / XL	AG	ES	PI	XE
CE	AR / ES	BT	BM / XL	ST	MA / PH
CS	MA	CH	CY / PE / XE	TF	XE
EC	IN / PH	CY	CH / XL	XH	----
EE	IN	EY	XL	XL	BM / BT / CY
ES	AG / CE	GG	MN / PE / PH	PE	CH / GG / XE
IN	EC / EE / PH	MA	CS / PH / ST	MT	PH / XE
ME	XE	MN	GG / XE		
XE	AE / CH / ME / MN / MT / PE / PI / TF				

Further he discussed about the career options that are available through gate :

And what is benefit of writing gate, admission process etc

1 M.Tech through gate:

For admission in NIT, IIT they have they strategies to give admission in those reputed colleges/university, this is most important slide that we must concentrate more.

M.Tech Admission Process through GATE

- M.Tech Admission for IITs
 - Direct Admission
 - Proficiency Test + Interview
 - GATE Score + Interview
 - COAP (Common Offer Acceptance Portal) for IITs
- M.Tech Admission at NITs
 - Direct Admission
 - CCMT (Centralized Counselling for M.Tech Admissions)
- M.Tech @ IIITs
 - Individual Tests
 - CCMT (Centralized Counselling for M.Tech Admissions)

2. Career option for higher studies:

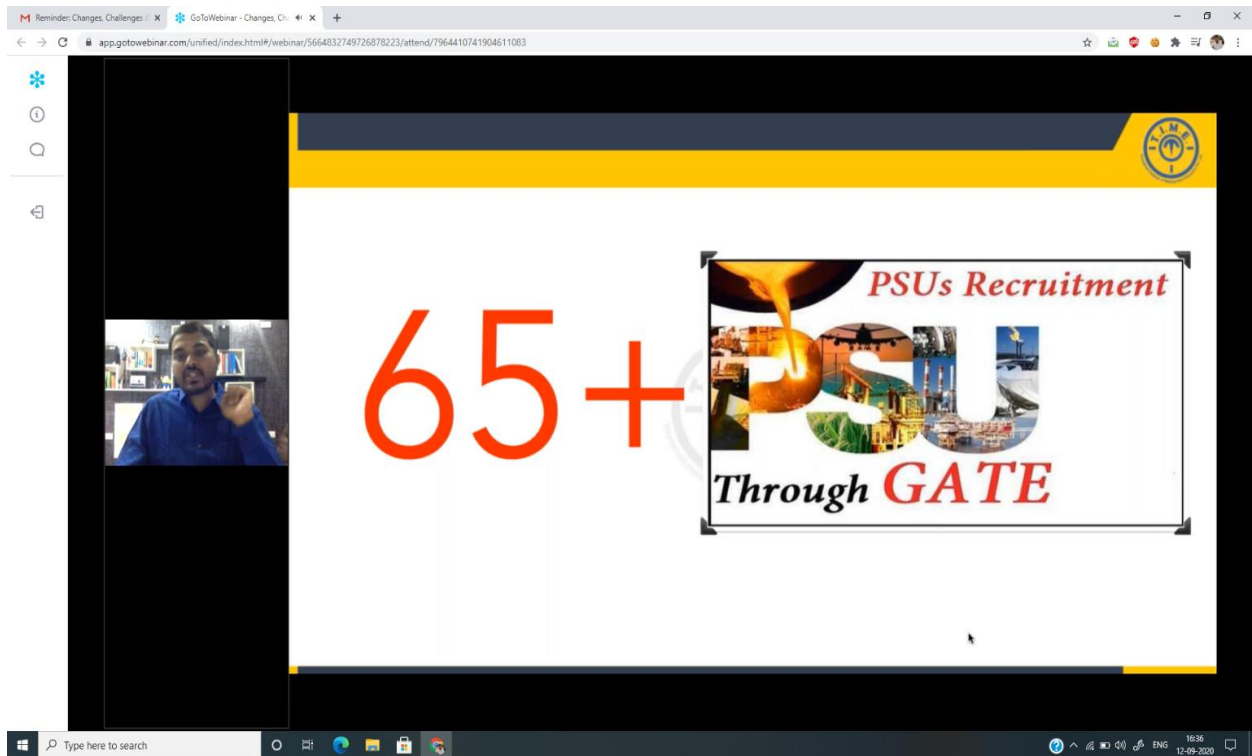
M. tech (master's in technology)

MS (masters in sciences)

PhD (doctorate of philosophy)

MBA (master of business administration)

He discussed about each everything in detail how do we join and what are the opportunity we get etc.

The image is a screenshot of a web browser displaying a webinar. The browser's address bar shows a URL from 'app.gotowebinar.com'. The main content area shows a presentation slide with a yellow header and a large orange '65+' followed by a plus sign. To the right is a graphic with the text 'PSU's Recruitment Through GATE' and a globe. A small video inset in the bottom-left corner shows a man in a blue shirt speaking. The Windows taskbar is visible at the bottom.

This recruitment process conducted through gate score

Research option through gate in industries like csir, barc and also in major industries as fellowship opportunities too.

Benefits of gate exam:

Exam formula: this exam strategy that every aspirant must follow to crack the gate examination

8m=40y means eight months hard work is equal to forty years of life he said, and he conclude the session by taking about the change in exam pattern and at last we gave access for time e-learning platform and gave the details of the website

CAREER OPPORTUNITIES THROUGH IB HUBS

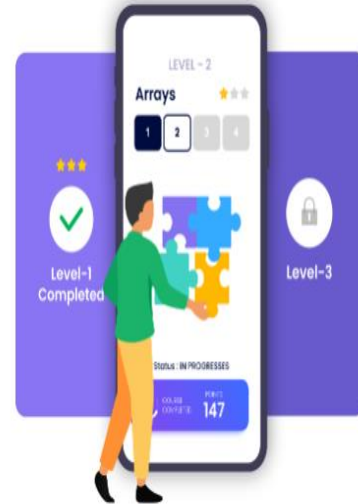
K Naga Sai, Alumni, Software Developer, IBHubs, Discussed the career opportunities through IB Hubs, by discussing different programmes offered by IB Hubs.

He further discussed the following things:

Learn like you're playing a game

Learning could not be more fun, immersive and engaging. Learning modules make it easy to learn and level up, just like you play a video game.

- ✓ Byte-sized learning and Micro-level Assessments
- ✓ Adaptive learning according to your learning needs and pace
- ✓ Gamified learning experience with Boosters
- ✓ Hands-on practice with Virtual Labs, Case studies



We are with you, every step of the way

An expert squad continuously understands you, supports you and pushes you further. Peer learning ecosystem helps you progress rapidly.

- ✓ Domain experts resolve your doubts
- ✓ Career guidance from industry professionals
- ✓ Learn with peers through discussions and forums
- ✓ Connect with like-minded learners with IB Com community platform

Put your learning to practice and gain real-world experience

Expand your horizons and strengthen your skills with real-world application. Challenge yourself by taking part in high intensity competitions and challenges.

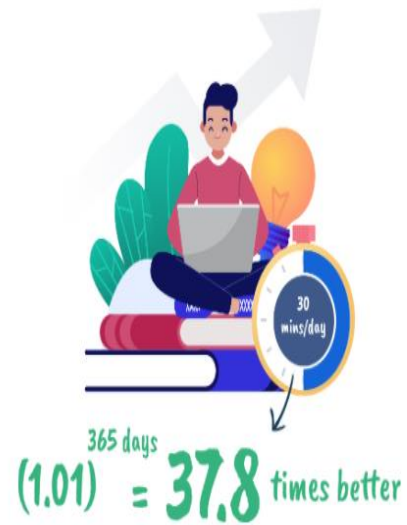
- ✓ Real-World Projects
- ✓ Online Workshops and Bootcamps
- ✓ Hackathons and Competitions
- ✓ High-paid Internships



Progress powerfully with small consistent efforts

Use the extraordinary power of compounding effect to your advantage! With 30 mins of consistent learning every day, you build skills exponentially.

Want to land a high-paying job soon? Get booster hours for gaining the extra edge and fastrack your progress.



The session ended with thanks.

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

INTRODUCTION:

FutureGen Tech, the company which aims at promoting skills in developing today's world has allowed us to take part in the workshop conducted by Mr. Ramji Bora Sir. The main objective of the workshop was to provide us the knowledge of how the world is getting operated by AI and ML in every field.

We might think why most of the companies are investing in Artificial Intelligence and Machine Learning. The reason behind this is that they are the platforms on which the entire world is based upon. This builds up the efficiency and innovation in people today and gives them a chance to fulfil their needs by their own with their skill.

WORKSHOP STRUCTURE:

The Workshop, organized by FutureGen was hosted by Sir Ramji Bora in coordination with Anil Neerukonda Institute of Technology and Science.

Invitation to the Workshop was given by the hosts of FutureGen and the meeting was held through Google meet platform.

OVERVIEW AND TOPICS OF DISCUSSION:

Sir Ramji Bora opened the workshop with a warm introduction about him, his work and his aim for conducting the workshop. He created a platform for us where we could interact with him without difficulty. He allowed every one of us to share our goals and interests with him and in turn suggested a perfect platform for us to achieve them. While we were wondering how the world is working with machines and such a huge amount of data, he elucidated us with great importance of AI and ML which is ruling the world and making life easier and innovative too. Sir also explained us about different opportunities we will have in various fields today's world.

Preliminary focal areas:

->On introducing the concepts the seminar was started with the introduction of Python programming language which is the booming programming language in today's world. We have done few exercises in Python before going deep into the course.

->The concepts discussed in Python were image processing, reading the contents from a pdf and reading the contents present in an image which was downloaded from the internet.

->The platform used to execute all these was the Jupyter Notebook.

->Sir guided everyone of us in doing the exercises and in getting fruitful results.

KEY TAKEWAYS:

-> Jupyter Notebook, the platform which was chosen for execution was handy.

->The workshop was very interactive and brainstorming. The participants raised many questions regarding the concept which was taught.

->It was an experience for all of us in performing such exercises and projects regarding AI and ML.

->The workshop was very useful and guided all of us regarding the present and future technologies as compared to the past. We also got familiar about the opportunities in various developing fields.

CSI ORIENTATION SESSION

The CSI coordinator and the student members of CSI have discussed the following throughout the orientation session.

Benefits and Advantages to CSI Student members

1. Recognition

- CSI membership identity card
- Appreciation letter / certificate for performance excellence
- Industry recognized CSI certification opportunities

2. Knowledge Enhancement

- Access to CSI knowledge portal through Login-id and password
- Technology updates through Conferences, Seminars, Tutorials & workshop at discounted rates
- A forum for activities like Paper Presentations, Quiz, Competitions and Exhibitions.
- Ability to connect with distinguished speakers on different technology areas

3. CSI Publication

- CSI Communications - Monthly Magazine (soft copy with option for hard copy at additional payment)
- CSI eNewsletter
- CSI Whizkidd- Student Newsletter
- Eligibility to publish articles in CSI communications, journal and Whizkidd

4. Awards

- Eligibility to be nominated for the best Student paper in CSI communications
- Best Student Branch award (only for Student Branch and not applicable for individual student members)

5. MOU benefits

- Discounted membership fee for BCS, ACS and subsidized product offerings by them
- Discounted CSI & partner certification exam fees

6. Networking

- Interaction and collaboration with distinguished academicians, researchers and practitioners
- Opportunity to interact with Industry professionals and chalk out a career path

7. R & D

- CSI Minor Research project funding up to Rs. 50000/-

8. CSI events

- Discounted registration fee for CSI conventions & seminars
- Participation in joint events of CSI with its MOU partner / Organization

Later, the previous academic year events, the prizes won and the people who got benefited were also discussed.

Then, the session ended with thanks.

CAPTURE THE FLAG

CTFTPOPOINTO



Anil Neerukonda Institute of Technology & Sciences (A)
DEPARTMENT OF CSE
IN ASSOCIATION WITH
ANITS CSI STUDENT BRANCH
REGION-V
PRESENTS



REGISTRATION LINK: bit.ly/ANITSCTF2

> **Last Date for Registration:**
21st December 2020
> **From** 22.12.20 **To** 24.12.20
> **Timings:** 6 PM to 8 PM



Registration Fee:
> CSI Members: 20 INR
> Non-CSI Members: 50 INR

***CASH PRIZE IS SUBJECTIVE**

***CERTIFICATES WILL BE GIVEN TO EVERY PARTICIPANT**

ANITS_CTF 2.0

For Details and Registrations:
> Pavan Getta: 7989180291 [PRESIDENT]
> Midhin Prasad: 8985738698
> Gowtham : 7032878823

Dr.R.Sivaranjani,
HoD, CSE, ANITS.

Mr.S.Joshua Johnson,
CSI Student Branch Counsellor,
Asst. Professor, CSE, ANITS.

SEMINAR ON EMERGING TECHNOLOGIES

DATE: - 27th Feb 2021

Number of participants: - 50

Objective:- Emerging Technologies and Coding Paradigms

Speaker :- S Goutham Kumar (317126510115)

Mr. Goutham kumar is the Vice president of Computer Society of India(CSI) , Student Branch Anits. He started his seminar by extending his gratitude to all the students who attended the seminar. He has a lot of knowledge on all the current emerging technologies that were trending.

According to him the top 6 Emerging Technologies are:-

1. Artificial Intelligence
2. Machine Learning and Data Science
3. Internet of Things
4. Block Chain Technology
5. Virtual Reality
6. Cyber Security

Mr.Goutham explained all the above technologies and gave a pre-requisite knowledge of how to learn the technologies and master them !!

He provided a road map to the students for becoming a good competitive programmer by suggesting platforms for practicing like HackerRank for basic learning, HackerEarth for learning DSA, leetcode for dynamic programming.He also showed how the platform works and how they can compete with others.

Many students were raising queries on cyber security and ethical hacking. So he started his session with cyber security and cleared all the doubts of the students . He explained the roles present in cyber security, different types of hats, etc. He provided some resources for future reference.

According to him, to start a career in cyber security, students must be strong in subjects like Data Communications, Computer Networks, Operating Systems, Cryptography and Network Security. Again, the students raised a doubt that how we should be certified and how to start learning from the scratch.

He presented a platform for learning cyber security courses.

Website link: <https://www.eccouncil.org/>

He explained the basic certification courses required for students who are interested in the field of cyber security like CEH, CCNA, CCNP. OHCP for advanced level. He also introduced some basic terms of networking and gave an overview on the subject. He discussed about the ongoing projects in google.

Students approached Mr.Gowtham Kumar personally and asked many doubts regarding placements and how to start learning and he gave suggestions.



Here he was explaining about the web development queries asked by students.



He is discussing about Machine learning and data science in real world scenario.



The students were listening to him with enthusiasm.

He finally concluded the session by clarifying the doubts of all the students.

FIRST YEAR PROGRAMMING CLASSES





LOCK THE LOGIC



Anil Neerukonda Institute of Technology & Sciences (A)
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REGION-V
PRESENTS

REGISTRATION LINK: bit.ly/2YPCON

REGISTRATION FEE:
> CSI Members: 20 INR
> Non-CSI Members: 50 INR

LOCKTHELOGIC'21

*CASH PRIZE IS SUBJECTIVE *CERTIFICATES WILL BE GIVEN TO EVERY PARTICIPANT

FOR DETAILS AND REGISTRATIONS:
> Gowtham : 7032878823
> Sneha Kiran : 9000343908

DR.P.SIVARANJANI,
HoD, CSE, ANITS

MR.S.JOSHUA JOHNSON,
CSI Student Branch Counsellor, Asst. Professor,
CSE, ANITS.

ANITS (Logo) **COMPUTER SOCIETY OF INDIA** (Logo)

TRAVERSE'21



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES (A)
DEPARTMENT OF CSE
IN ASSOCIATION WITH
ANITS CSI STUDENT BRANCH
REGION-V
PRESENTS

Traverse'21

REGISTRATION LINK: bit.ly/3YPCON

REGISTRATION FEE:
> CSI Members: 20 INR
> Non-CSI Members: 50 INR

*CASH PRIZE IS SUBJECTIVE *CERTIFICATES WILL BE GIVEN TO EVERY PARTICIPANT

FOR DETAILS AND REGISTRATIONS:
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CSI Student Branch Counsellor, Asst. Professor,
CSE, ANITS.

ANITS (Logo) **COMPUTER SOCIETY OF INDIA** (Logo)

INTERVIEW EXPERIENCES AND RESUME WRITING SESSIONS

Speaker List:

- Surya Teja (Software Developer@Delhivery - Upcoming SDE@Amazon)
- Suvarna raju (Software developer @ Accenture)
- Aditya Adida (Cloud Support Associate @ Amazon Web Services)
- Sesh Sai (Cloud Support Associate @ Amazon Web Services)
- Alekya K (Business Development Associate, Byju's Education)

Our Alumni Students are the speakers of the session. They have given different experiences which are faced during the interviews. Many students asked their doubts regarding the interview process and about resume preparation also. The students benefited from the experiences shared by their seniors.



The screenshot displays a 'Course Map' for 'JAVA LEARNING JOURNEY'. The map is a grid of modules and topics, each with a duration. The modules are arranged in three rows. The first row includes 'Agile & DevOps 4' (8 hrs), 'Spring Boot 1' (20 hrs), 'Microservices' (40 hrs), 'JSP' (10 hrs), 'JSP' (10 hrs), 'JSP' (10 hrs), and 'Deployment JSP' (20 hrs). The second row includes 'Deployment JSP' (8 hrs), 'Spring Security' (8 hrs), 'Spring MVC' (20 hrs), 'Microservices' (20 hrs), 'Spring Data' (8 hrs), and 'Spring Data' (18 hrs). The third row includes 'Deployment JSP' (8 hrs), 'Spring Security' (8 hrs), 'Spring MVC' (20 hrs), 'Microservices' (20 hrs), 'Spring Data' (8 hrs), and 'Spring Data' (18 hrs). A 'Click the image above to view JAVA learning journey.' message is at the bottom.



Suvarna Raju Chevati

The screenshot shows a 'Technology Activity Feed' with 'Latest Posts' on the left and progress bars for four modules on the right. The 'Latest Posts' section includes a post by 'GK' titled 'Day4 Demos and Assignment' with attachments for 'Day4 ZIP' and 'Day4Programs TXT', a 'Submitted' button, and a due date of 'May 29, 2021 1:29 PM'. The progress bars are as follows: 'Module 01: Agile and DevOps' (33% completed, 1 of 3 topics completed), 'Module 2: Object Oriented Programmi...' (25% completed, 2 of 8 topics completed), 'Module 3: Advanced Java and Java 8...' (0% completed), and 'Module 4: Junit and Enter Arch...' (0% completed).



Suvarna Raju Chevati

Objectives of the Session:

1. How to prepare for interview sessions.
2. How to write a good resume.

Outcomes of the Session:

1. The students got an idea of how the interview process takes place, and they learn what resources are useful to get placed in a good organization.
2. The students learnt how to write an effective resume, so that it can enhance their chances of getting placed.

THANK

YOU