



# **NARAYANA**

**ENGINEERING COLLEGE :: GUDUR**  
**(AUTONOMOUS)**

An Autonomous College Under JNTUA, Ananthapuramu,  
Approved by AICTE New Delhi

## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

# **NEWSLETTER 2020-21**

**SEMESTER-II**

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## **Vision of the institute**

To be one among the premier institutions of the country for professional education in producing technocrats with competent skills, Innovative ideas and Ethics to serve the nation.

## **Mission of the institute**

To provide an environment most conducive to learning with state-of-the-Art infrastructure, well equipped laboratories and research facilities to impart high quality technical education.

To emphasize on innovative ideas and creative thinking and prepare them to meet the growing challenges of the industry.

To inculcate the leadership qualities, multi-disciplinary approach, Ethics and lifelong learning in graduates to serve the diverse societal needs of our nation.

## **Vision of the Department**

To produce globally competent software professionals in the field of Computer Science and Engineering to meet the needs of industry and society along with research and consultancy, lifelong learning, leadership qualities and ethics.

## **Mission of the Department**

To deliver quality technical education by practicing innovative teaching learning processes making student's self-sufficient individuals.

To inculcate innovative thinking and problem solving skills in learners through training programs and collaborative interaction with industry.

To develop professional behavior with strong ethical values, leadership qualities and lifelong learning by providing value based education.

## **PEOS**

**PEO-1:** To Attain higher positions in career by exhibiting expertise in solving real world problems.

**PEO-2:** To Fill technical gaps and take leadership roles and achieve substantive results for the development of the organization.

**PEO-3:** To Adapt to rapidly changing technologies through Lifelong learning.



## (PROGRAM SPECIFIC OUTCOMES) PSOs

**PSO 1:** Software Product Development: Apply the principles and practices of software Engineering for developing quality software applications.

**PSO 2:** Employment: Get employed in industries through their knowledge attained in Basic and advanced programming languages, specialized software packages or become an entrepreneur.

## (PROGRAM OUTCOMES) POs

**1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**2. 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.

**3. 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.

**4. 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.

**5. 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.

**6. 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.

**7. 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.

**8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings.

**10. 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.

**11. 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.

**12. 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.

## One Day National Level Technical Symposium (NIPUNA 2K21)

The Department of Computer Science and Engineering, Narayana College of Engineering, Gudur had conducted a National level Technical Symposium on 17<sup>th</sup> July 2021. The symposium was titled with NLTS-2K21. That day greeted us with pleasant and memorable moments.

The inauguration began and was enlightened with a special prayer. The program was followed by Jyothi Prajwalana. A welcome address was delivered by our beloved HOD of CSE Prof P. Venkateswara Rao. Followed by which presidential address was delivered by our respected principal Dr. V. Ravi Prasad who kindled the minds of students with knowledge and power. The management secretary Sri. Y. Vinay Kumar addressed the gathering with inspirable speech.

The inaugural address was delivered by our chief guest Sri Akash Nath, Director Engineering, NSEIT, India. who made our event memorable and guided students about the on-going trends. The innovations, creativity and ability of students were driven out by the release of souvenir. The Inauguration came to a finish with A.V. Presentation & finally concluded with vote of thanks which was delivered by student association vice president. All technical and non technical events conducted in ZOOM, students from 9 different colleges were participated in the events. We have total count of 279 students (internal and External) registered for different events. All the events are successfully completed and distributed prizes for the winners.

## PROJECT EXPO

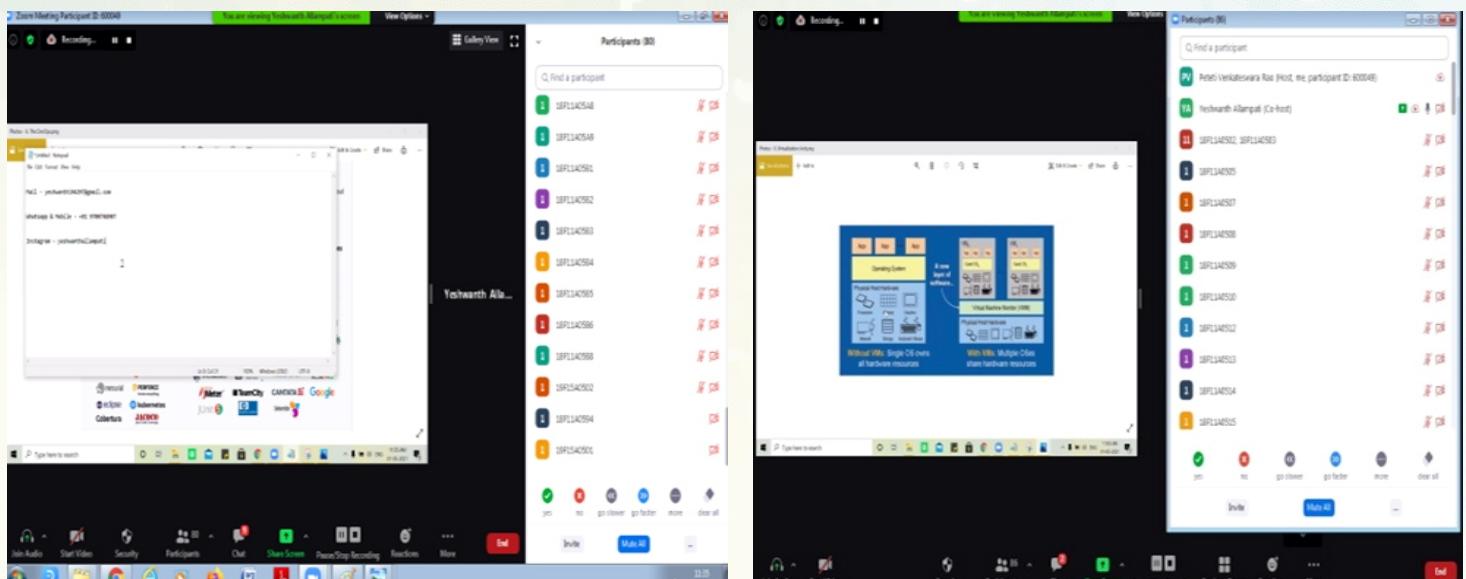
The Project Expo 2K21 is the 3<sup>rd</sup> Project Expo fair of Narayana Engineering College. The purpose of this event is to showcase innovative projects done by CSE students of the Narayana Engineering College in association with Innovation and incubation centre. The projects are critically evaluated by academic experts giving positive feedbacks to improve quality and value. The judges to evaluate the projects based on evaluation select the best three innovative projects.

NECG celebrated the Project Expo on **22<sup>nd</sup> of July 2021**, to encourage the creative ideas of the Emerging Engineers. The prime focus of the day was to elicit, exhibit, evaluate the student talents and rewarding them. To make the celebration out in front, the college organized a National Level Project Expo and Competition.



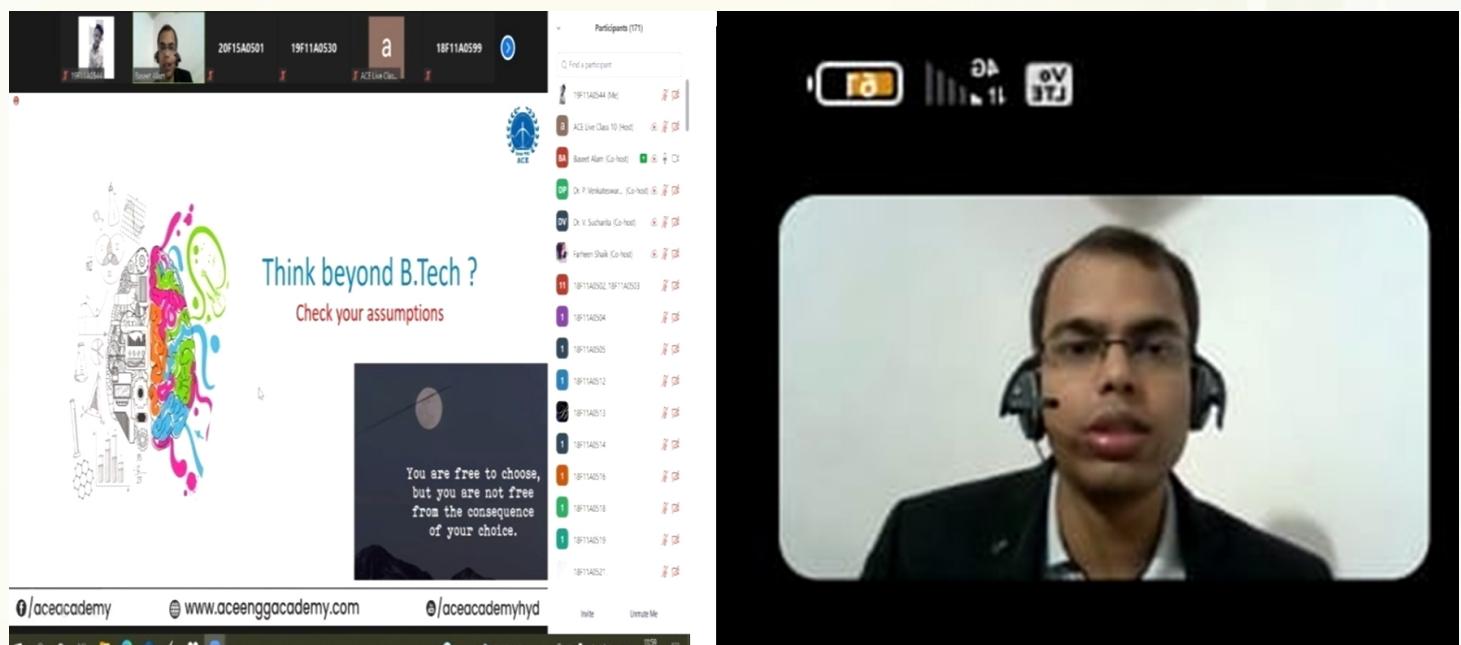
## A Webinar on Roles of DevOps in Cloud Computing Environment

The Department of Computer Science and Engineering of Narayana College of Engineering, Gudur had conducted a Webinar on *Roles of DevOps in Cloud Computing Environment* in association with Nirvin IT Solution under IIIC on 26<sup>th</sup> April 2021 by Mr. Yeswanth Allampati, Software Developer, TCS, Hyderabad. The Resource person had been introduced by the HOD Dr.P. Venkateswara Rao & addressed the III B.Tech students on significance of the Webinar. The Resource person explained the roles and responsibilities of DevOps in cloud computing environment.



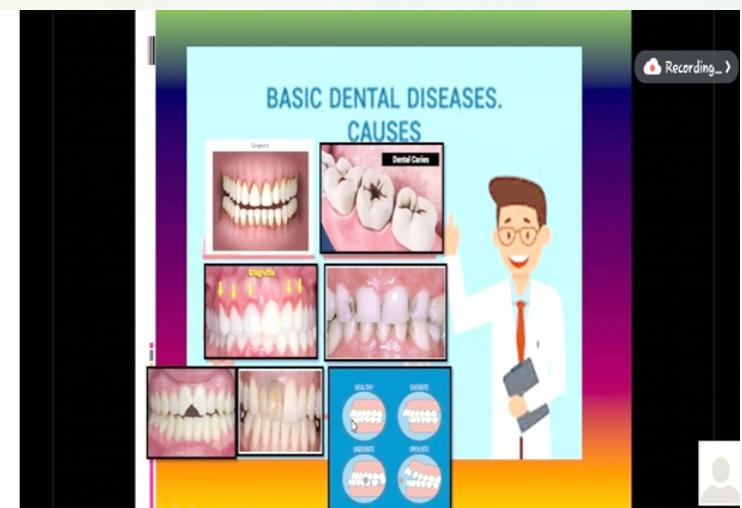
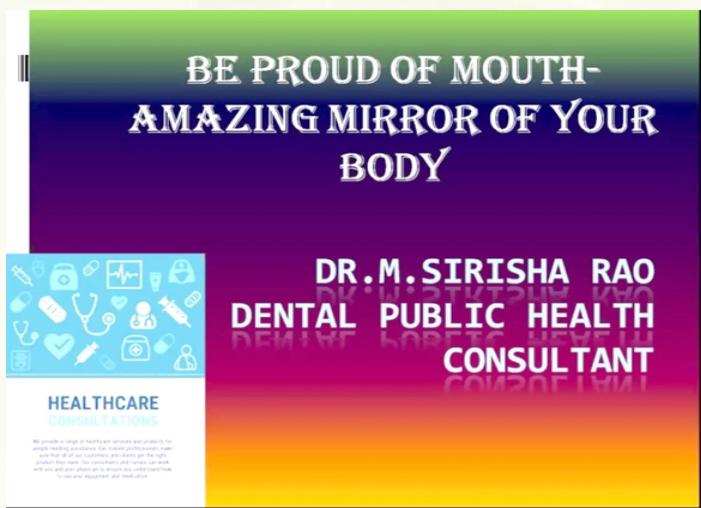
## A Webinar On Skill Development For Successful Career

The Department of Computer Science and Engineering of Narayana College of Engineering, Gudur had conducted a Webinar on **Skill Development For Successful Career** in association with After Campus Pvt Ltd. under IIIC on 2<sup>nd</sup> June 2021 by Mr.S.Trinath, Gate/Ese Trainer, Resource person had been introduced by the HOD Dr.P. Venkateswara Rao followed by the which principal Dr.V.Ravi Prasad addressed the II B.Tech cse students. The resource person explained the importance on transferable skills that make student competitive in any job.



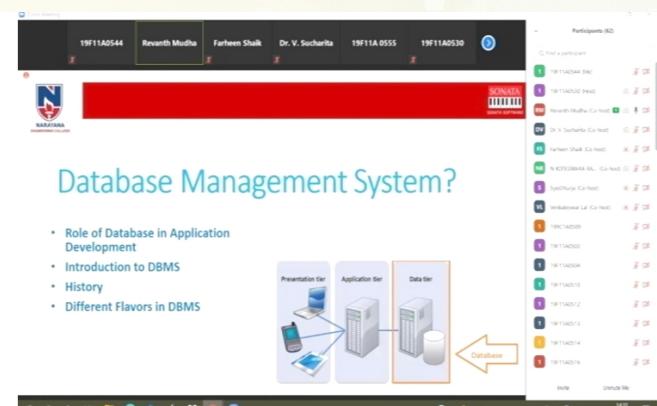
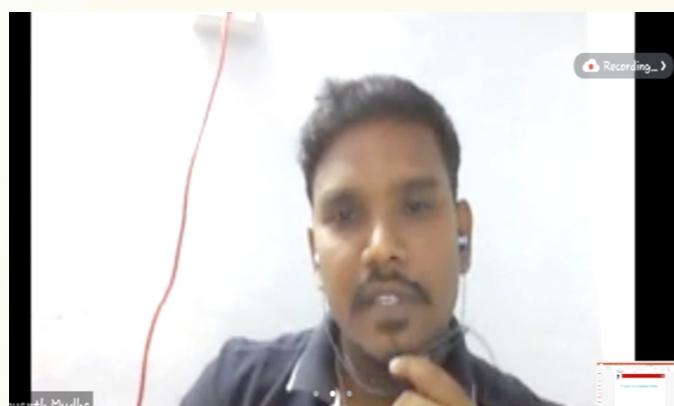
## Webinar on Dental Caries and Its Prevention for Women under Women's Forum of CSE

The Department of Computer Science and Engineering Women Forum wing of Narayana College of Engineering, Gudur had conducted a Webinar on **Dental Caries and its Prevention for women** on 3<sup>rd</sup> June 2021 by Dr.Sirisha Rao MadiRaju, Public Health Dentist, assistant Professor, Subbaiah Institute of Dental Sciences, Karnataka. The Resource person had been introduced by the HOD Dr.P. Venkateswara Rao & addressed the students on significance of the Webinar Dr.Sirisha Rao MadiRaju had explained how the inspection and treatment of teeth, gums and other parts of the oral cavity & especially takes care of problems affecting the teeth like Common procedures having removal, correction and replacement of decayed, damaged or lost teeth. Resource person Suggested to students of good diet is most important for healthy gums & teeth.Foods are rich in calcium and iron that good for strength, stability and drinking water.finally concluded with good oral hygiene is important as we use our mouth many times in our daily life.



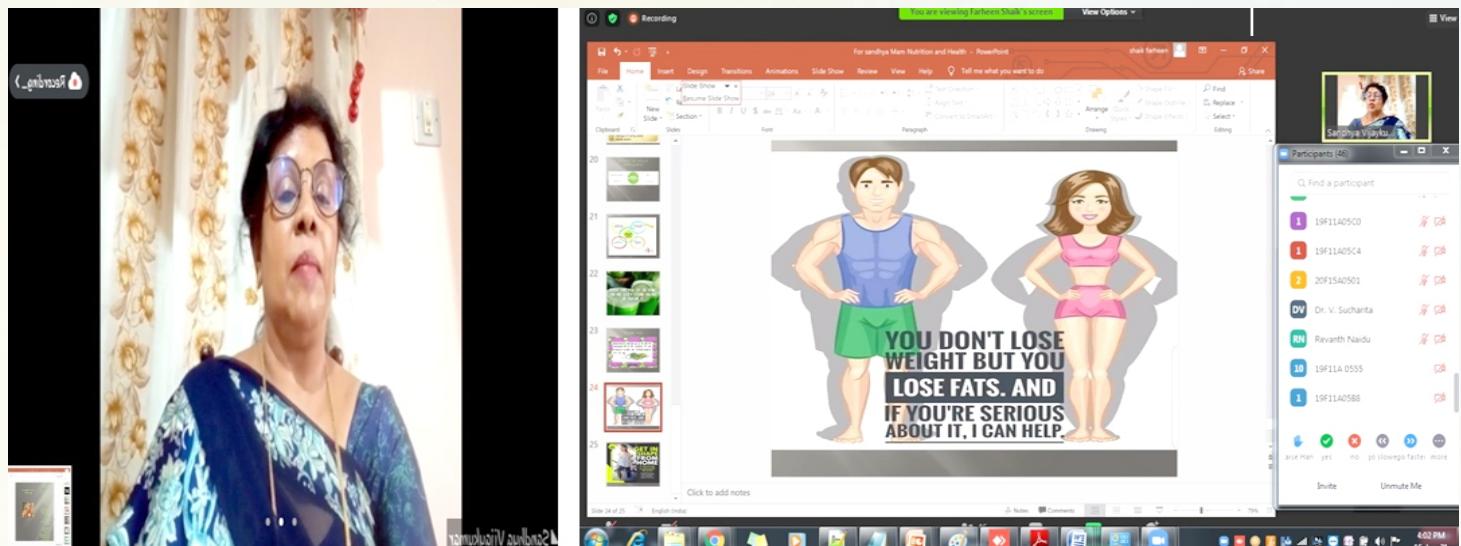
## A Webinar on Database Administration-An Overview - Seminars

The Department of Computer Science and Engineering of Narayana College of Engineering, Gudur had conducted a Webinar on **Database Administration-An Overview** in Association With Young Minds Technologies under IIIC on 11<sup>th</sup> June 2021 by Mr.Revanth Mudha, Senior Systems Analyst, Sonata Software Ltd, Bangalore. The Resource person had been introduced by the HOD Dr.P. Venkateswara Rao & addressed the II B.Tech students on significance of the Webinar. The Resource person had Explained the roles and responsibilities of DBA.



# Webinar on Nutritional Health for Women

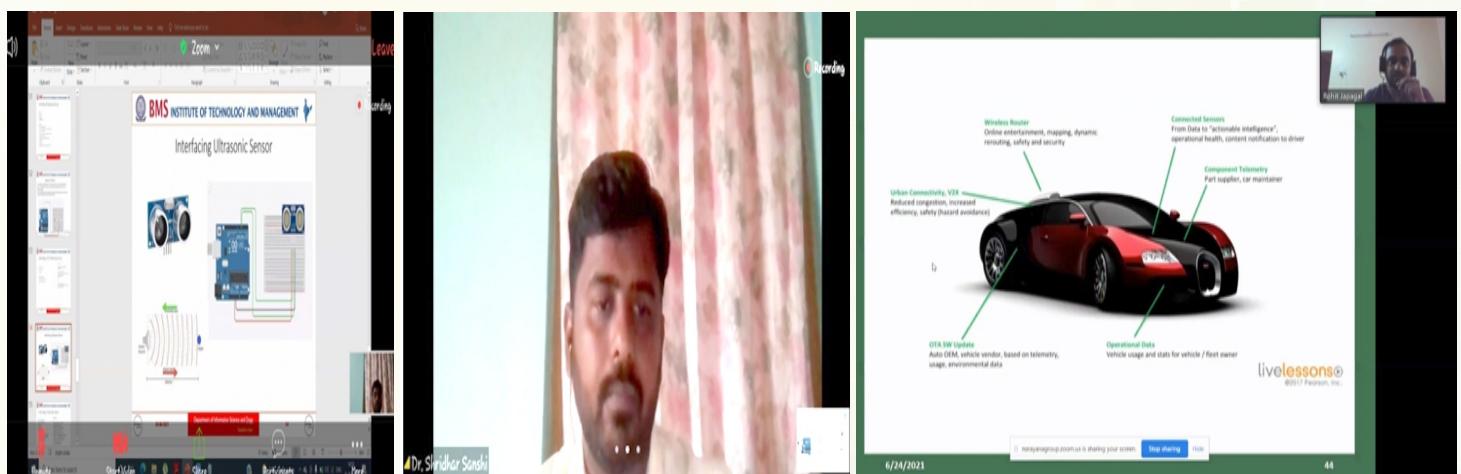
The Department of Computer Science and Engineering Women Forum wing of Narayana College of Engineering, Gudur had conducted a Webinar on **Nutritional Health For Women** on 16<sup>th</sup> June 2021 by **Mrs.Sandhya Solomon, Microbiologist, Virus Diagnostic Lab, Health & Fly Welfare Services, Govt of Karnataka**. The Resource person had been introduced by the HOD Dr.P. Venkateswara Rao & addressed the students on significance of the Webinar **Mrs. Sandhya Solomon** had explained Eating a healthy diet is all about feeling great, having more energy, improving your health, and boosting your mood. Good nutrition, physical activity, and healthy body weight are essential parts of a person's overall health and well-being. Resource person advise to students on the types and quantity of food intake required specifically to increase or decrease their body weight.



## IOT and Its Frame Work-Hands On

This course was intended for beginners and those looking for research and development. During the above mentioned six days intensive training was imparted in different application of IoT with lectures, laboratory experiences in association with Indian Servers.

The Internet of Things is the network of physical devices, vehicles, home appliances and other items embedded with electronics, software, sensors, actuators and network connectivity which enable these objects to connect and exchange data. IoT platform provides development of no. of applications smart grid, virtual power plants, smart homes, intelligent transportation and smart cities.



## A Workshop on Advances in Business Intelligence

The Department of Computer Science and Engineering of Narayana College of Engineering, Gudur had conducted a Workshop on **Advances in Business Intelligence** under IIIC on **3<sup>rd</sup> March 2021** by **Mr.Gopinath Talluri**, CMI Partner Relationship, NORDIC, Tata Consultancy Services, Hyderabad. The resource person had been introduced by the HOD Dr.P. Venkateswara Rao, followed by the principal Dr.V.Ravi Prasad who had addressed the **IV B.Tech CSE** students. The Resource person had explained how to improve implementation skills, how to practice and choose language & tools. A total of 72 students have benefitted through this workshop.



## Webinar on Recent Trends in Intelligent Video Analytics

The Department of Computer Science and Engineering of Narayana College of Engineering, Gudur had conducted a Webinar on Recent Trends in Intelligent Video Analytics in association with CSI on **17<sup>th</sup> March 2021** by, **Dr.P.M.Ashok Kumar**, Professor, K L Deemed to be University, Guntur (AP).The resource person had been introduced by the Head of the Department **Dr.P. Venkateswara Rao**, The Resource explained the importance of Recent Trends in Intelligent Video Analytics by using different technologies.



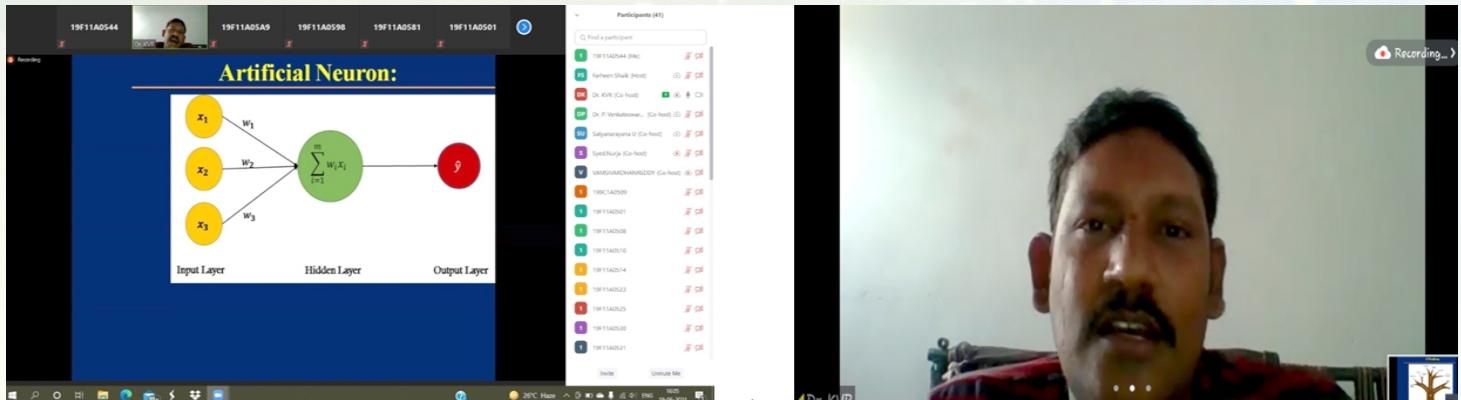
## A One week Workshop on Competitive Coding using Hacker Rank

The Coder's club of CSE Department, NECG has conducted **A One week Workshop on Competitive Coding using HackerRank** in association with **Code Tantra** on **19-04-21 to 24-04-21** Mr. P. Yaswanthsai, Software Developer, CDK Global Hyderabad. The resource person had addressed the Second year students and explained the that Coding best practices are a set of informal rules that the software development community has learned over time which can help improve the quality of software.



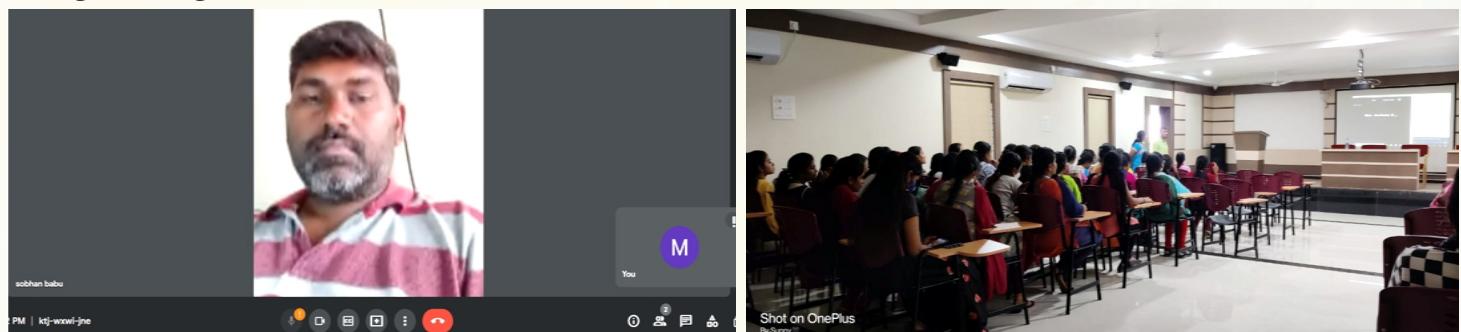
## Webinar on Artificial Neural Networks Under CSI

The Department of Computer Science and Engineering of Narayana College of Engineering, Gudur had conducted a Webinar on **Artificial Neural Networks** in association with **CSI** on 19<sup>th</sup> June 2021 by **Dr.K.Venkateswara Rao**, Professor, Vignan's Lara Institute of Technology & Science, Vadlamudi, Guntur (AP). The resource person had been introduced by the department **HOD Dr.P. Venkateswara Rao**, The Resource explained the importance of Artificial Intelligence & Neural Networks by using different technologies.



## GUEST TALK ON ADVANCES IN COMPILER DESIGN

The Department of Computer Science and Engineering of Narayana College of Engineering, Gudur had conducted a Guest talk on **ADVANCES IN COMPILER DESIGN** on 6th January 2021 by **P.Sobhan Babu**, Technical Architect, HCL, Chennai. The Resource person had been introduced by the HOD Dr.P. Venkateswara Rao. The Resource person addressed the students on various Advances in Computer Design through Online.



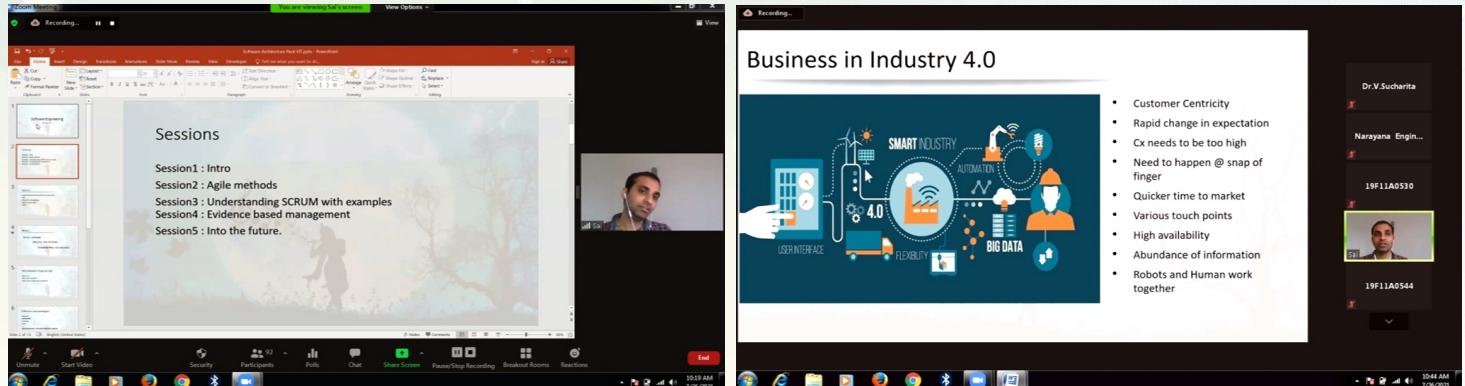
## GUEST TALK ON ARTIFICIAL INTELLIGENCE & IT'S JOURNEY

The Department of Computer Science and Engineering of Narayana College of Engineering, Gudur had conducted a Guest Talk on **INTRODUCTION TO ARTIFICIAL INTELLIGENCE AND ITS JOURNEY** on 12<sup>th</sup> February 2021 by **K.Archana**, Assistant Professor, **Dr.D.Y.Patil Institute of Technology, Pune**. The Resource person had been introduced by the HOD Dr.P. Venkateswara Rao. The Resource person addressed the students on Artificial Intelligence Concepts through online.



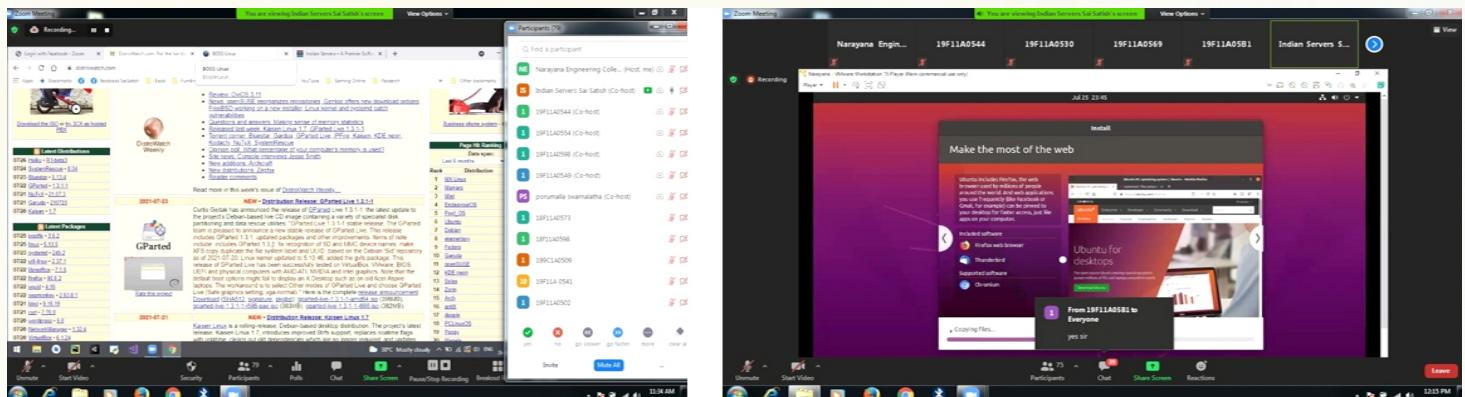
## A Guest Talk on Software Engineering

The Department of Computer Science and Engineering of Narayana engineering College, Gudur had conducted a Guest Talk on **Software Engineering** on 26<sup>th</sup> – 30<sup>th</sup> July 2021 to by industry person **Mr.D.Sai Suman, Senior Project Leader, Vijayawada**, in Association with **Indian Servers** The resource person had been introduced by the HOD, **Dr.P. Venkateswar Rao**, The Resource person explained various concepts in Software Engineering.



## A Guest Lecture in on Operating Systems Concepts

The Department of Computer Science and Engineering of Narayana Engineering College, Gudur had conducted a Guest Lecture on **Operating System** on 26<sup>th</sup>-30<sup>th</sup> July 2021 by Industry Person **Mr.D.Sai Satheesh, Senior Project Manager Indian Servers, Vijayawada**. In Association with **Indian Servers**. The resource person had been introduced by the **HOD Dr.P. Venkateswara Rao**. The Resource person explained various concepts in Operating System in view of real time applications.



## A PDP on Working on GoogleForms

The Department of Computer Science and Engineering , Narayana Engineering College, Gudur had conducted a **Programme on Working on Google Form** on 24 march 2021 by the Resource Person **Mr. K.Harish, Software Trainer, Sphere Software Solutions, Hyderabad**. A Total number of 90 students from Second Year CSE have benefitted throughout this programme. This programme describes all components needed to automate test scenario and explain on how to run.



## Coders Corner (Coder's Club)

The Coders Club of CSE Department, NECG had conducted **CODERS CORNER** in association with **Coders Club** on **16-04-2021** by the Resource person **P. Yaswanth Sai**, Software Developer, CDK Global Hyderabad. The resource person addressed the Second year students and explained that Coding best practices are a set of informal rules that the software development community has learned over time which can help improve the quality of software. He had explained details about GITHUB, Hackerrank and codechef and also mentioned that everyone has to establish the culture of practicing the programs much of the time.



### CODERS CLUB ON CODERS CORNER - II

The Coders club of CSE Department, NECG had conducted by **Coders club on Coders Corner-II** in association with **Indian Server** on **20/04/21** by the Resource person **P. Yaswanth Sai**, Software Developer, CDK Global Hyderabad. The resource person addressed the Second year students and told that Coding best practices are a set of informal rules that the Software Development Community has learned over time which can help improve the quality of software.



### Online E - Quiz Competition

**E-quiz competition** was organized by the Department of Computer Science and Engineering on **21<sup>st</sup> July 2020** to encourage the students and widen their knowledge. The quiz was conducted online using Google forms. 725 Students from second, third and final year CSE students and also students from other colleges also participated in the quiz. Top two students with highest score were given prizes. The Quiz helped students a better idea on focusing latest Trends and Technologies



## National Voter's Day (CSF)

The National Voters' Day had been celebrated on January 25 every year since 2011, all across the country to mark the foundation day of the Election Commission of India on **January 25, 1950**.

Narayana Engineering College, Gudur CSF Unit organized National Voters' Day on



**25/01/2021**. The focus is on popularizing electoral participation and disseminating information about electoral processes. It also focuses on all activities meant to generate voter awareness, thereby leading to voter empowerment and eventually strengthening participatory democracy in India, with particular emphasis on participation of youth. On this day oath was taken by the students regarding fair voting and also conducted rally on this occasion, to bring awareness in the public.

## Awareness on Tree Plantation

CSE Dept., NSS Unit organized a Tree Plantation at Vindhuru Village on **30-01-2021**. Our College Principal Dr.Ravi Prasad inaugurated the programme by planting a sapling. All NSS volunteers and other students have participated in the programme. Nearly 100 saplings were planted in the village as a part of village adoption. The program which was intended to promote environment development went on successfully with the close cooperation and involvement of village people and the Students.



## Helping hands (Food Distribution at Old age Home)

NSS unit of Narayana Engineering College, Gudur had organized a program titled **Helping Hands (Food Distribution)** in the old age home on **03-02-2021**. A group of staff members and students from our institution went to old age home for distributing food to the aged people. Nearly 30 old age people are staying in the old age home. Some of inmates of the old age home are left by their children to get rid of their responsibility. We have made our humble contribution to bring some amount of comfort to the senior citizens left mercilessly without any care or compassion.



## Bridge Course

Sno	Class	Bridge Course Name	Resource Person	Date of Conduction	Remarks
01	IV CSE A&B	Prerequisites on various securities principles	Mr.E.Ramesh Reddy, Asst.Professor, NECG	19-03-2021 (9:00 A.M to 10:40 A.M)	Bridge course for cyber Security
02	IV CSE A&B	Prerequisites on various securities principles	Mr.E.Ramesh Reddy, Asst.Professor NECG	20-03-2021 (9:00 A.M to 10:40 A.M)	Bridge course for cyber Security
03	IV CSE A&B	Prerequisites on various securities principles	Mr.E.Ramesh Reddy, Asst.Professor, NECG	21-03-2021 (9:00 A.M to 10:40 A.M)	Bridge course for cyber Security
04	IV CSE A&B	Data Communication and Networks	Mr.Ch.D.Suneel, Asst.Professor, NECG	19-03-2021 (10:50 A.M to 12:30 P.M)	Bridge course for Mobile Computing
05	IV CSE A&B	Data Communication and Networks	Mr. Ch.D.Suneel, Asst.Professor, NECG	20-03-2021 (10:50 A.M to 12:30 P.M)	Bridge course for Mobile Computing
06	IV CSE A&B	Data Communication and Networks	Mr. Ch.D.Suneel, Asst.Professor, NECG	21-03-2021 (10:50 A.M to 12:30 P.M)	Bridge course for Mobile Computing

## Bridge Course

S.No	Date	Name Of the Program	Resource Person with Designation	Target Students	No of Students Participated	Professional Society
A.Y 2020-21						
1	05-06-2021	Recent Trends in Computer Science and Engineering	<b>P.Vegendra Sai</b> Software Engineer Accenture	II B.Tech	98	ISTE
2	09-01-2021	Webinar On Cyber Security Principles For Success	<b>SAILAJA VADLAMUDI</b> Founder of Women in cyber security and privacy, Top 20 Indian women security influencer	III B.TECH	119	WICSP

## Bridge Course

3	23-01-2021	Webinar On Basics Of CYBER World	<b>Mr. Natarajan swaminathan</b> Senior consultant cyber security	III B.TECH	114	WICSP
4	06-02-2021	Webinar On Basic Concepts Of Computer Networking	<b>Mr. A. Manoj Kumar</b> ,EC-Council Research Associate	III B.TECH	96	WICSP
5	06-03-2021	Webinar On Concepts Of Computer Networking	<b>Mr. A. Manoj Kumar</b> , EC-Council Research Associate	III B.TECH	80	WICSP
6	17.03.21	Webinar on Recent trends in Intelligent video Analytics	<b>Dr.P.M. Ashok Kumar</b> Assoc Prof,Dept of CSE, KL University, Vaddeswaram	II B.TECH	101	CSI
7	26.03.21	Webinar on Recent trends and challenges in IOT	<b>P.Sateesh Kumar</b> ,Senior software Engineer,Chennai	II B.TECH	117	CSI
8	10-04-2021	Webinar On Digital Citizens Be Cyber Safe	<b>Garima Purohit</b> Consultant @Ernst & Young	III B.TECH	66	WICSP
9	17-04-2021	Webinar On Concepts Of Computer Networking	<b>Mr. A. Manoj Kumar</b> ,EC-Council Research Associate	III B.TECH	83	WICSP
10	24-04-2021	Webinar On Application Security Is A	<b>SAILAJA VADLAMUDI</b> Founder of Women in cyber security and	III B.TECH	76	WICSP
		Proactive Journey	privacy, Top 20 Indian women security influencer			
11	29.04.21	Webinar on Bigdata analytics	<b>Dr.K.Subramanyam</b> Professor in CSE, KL University, Vaddeswaram	IV B.TECH	79	CSI
12	10 <sup>th</sup> to 12 <sup>th</sup> May 2021	Webinar On Cyber Cherry Picking In Digital ERA	<b>Ms.SAILAJA VADLAMUDI</b> , SAP Labs India pvt Ltd <b>Ms.Radha Kustigi</b> , SAP Labs India pvt Ltd <b>Mr. Vaibhav Raina</b> , SAP Labs India pvt Ltd <b>Ms.Preeti Agarwal</b> ,SAP, Singapur <b>Ms. Swathi Sharma</b> Compliance lead Ms. Kriti Gera, Amazon Web services	III B.TECH	56	WICSP
13	06-06-2021	Webinar On Basics Of CYBER World Security operations Center	<b>Archana Mendon</b> ,Cyber security Evangelist,SOC Leader,WICSP Mentor	III B.TECH	71	WICSP
14	19.06.21	Webinar on Artificial Neural network	<b>Dr.K.Venkateswara Rao</b> Prof & Head, Vignan,s Lara Institute of Technology & Science,Vadlamudi Guntur (Dt)	II B.TECH	132	CSI
15	10-07-2021	Webinar On Basics of cloud computing	<b>Girish Yadav</b> , Pre-Sales consultant@SISA	III B.TECH	72	WICSP
16	08-08-2021	Webinar On Basics of cloud computing Part-2	<b>Girish Yadav</b> , Pre-Sales consultant@SISA	III B.TECH	55	WICSP



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