CH.S.D.ST. THERESA'S COLLEGE FOR WOMEN (A), ELURU

DEPARTMENT OF COMPUTER SCIENCE-REPORT 2021-2022

Department of Computer Science, Web Technology & Multimedia, andVisual Communication

WEBINAR ON ROUTE MAP TO CAREER OPTIONS

The Department of Computer Science conducted a webinar on ROUTE MAP TO CAREER OPTIONS on JULY 19TH, 2021, from 9.30-10.30 A.M. Mrs. D. Valli Padmavathi, working as a Project Manager at Wipro Technologies, was the chief guest of the webinar. She completed her MSc in Mathematics. She studied at St. Theresa's from L.K.G to her B.Sc. degree. She worked as a lecturer for M.Sc. & M.C.A at St. Ann's College Eluru from 1998 to 2002. In this webinar, 148 students attended. The Department of Computer Science of CH.S.D.ST. Theresa's College for Women (A), Eluru in association with Sampath InfoTech had organized a webinar on 'Route Map to Career Options' under the able guidance of Dr. Sr. Marietta D'Mello, the Principal on July 19th, 2021. The resource person was Mrs. D. Valli Padmavathi, Project Manager at Wipro Technologies in Hyderabad, who addressed the students in their final years of B. SC, B.Com, BBA, and B.Voc final years.

She mentioned and stressed the points on how the student should prepare for an interview, update themselves with all the new technologies in this present trending world where latest software's are getting into the market. To prove themselves the best in technical knowledge they should be with all the new software's known. She inspired and motivated them with her personal experiences and she built the confidence in girls that they CAN and they WILL do any task given by higher end and even no gender differentiation too... The convener of the webinar Mrs. A. Mamatha stressed about the high demand of the software field in the present progressive world. Thus making this webinar a fruitful program.

Feedback from students:

The students got confidence in building their own career with this webinar. The speaker with her lecture through online told how students must face the interview with different companies, the types of rounds were which were discussed were also crystal clear and the students got a channel to face the challenges easily.

Feedback from the resource person:

The speaker Mrs.Vallipadmavathi as she is an ex-student and also faculty member once upon a time during 1998 to 2002 felt happy to address all the students of our college and expressed her gratitude to the management Sisters as she has built the basic ethics in that campus and still living with them. Students interaction session and the doubts expressed by the students made her clear that they were very serious in opting their career.

WORKSHOP ON "PROBLEM SOLVING AND IDEATION "

The department of Computer Science conducted an workshop on "Problem solving and Ideation Workshop" on December 11TH 2021 at 3.00-4.00 PM. Mr. Hemanth Kumar kilari working as a Staff Engineer, VMware, Bangalore he is the chief guest of the workshop. In this webinar 195 students are attend.

OBJECTIVE

To hold a challenging and an interesting position in a well-established premier organization, with an environment conducive for personal and professional growth that will build on to enhance my technical and managerial skills.

EXECUTIVE SUMMARY

A competent professional with over 12 years of experience in building distributed systems that are resilient and highly scalable. Tech enthusiast with a strong passion for technology and love to stay in the intersection of engineering and management.

- Responsible for the product design with a focus on performance and scale
- Active contributor to design and architecture of multiple high impact projects
- Technical enthusiast with active participation in open source communityand internal technical conferences.
- Ideated couple of solutions and received patents. Implemented solutions for improving developer productivity within Individual capacity.
- Abilities in coordinating for swift ramping up for projects through effective estimation, prioritization, planning, tracking and retrospectives
- Collaborated with various stakeholders like Product, QA, external vendors and other tech teams
- Experienced in hiring, mentoring and managing engineering talent
- Experienced in running large scale initiatives and projects.
- Currently leading technical roadmap for the critical integration between VMware Horizon and vRealize Operations Manager.
- Innovative and self-directed individual with strong communication and interpersonal skills with proven abilities in resolving complex project relates issues

TECHNICAL SKILL SET

Languages	: Java, Python, JavaScript.
Frameworks	: Spring MVC, p4j, Ansible, Micrometer
Caches & IMDGs	: Redis, Hazelscast.
Cloud Platform	: vSphere, AWS, Docker & Kubernetes
Others	: Micro services, distributed systems, REST APIs, CI/CD, Perforce, GIT, Kafka, Telegraf, SonarQube.

EDUCATION

Master of Computer Applications (M.C.A) from National Institute of Technology, Trichy

EXPERIENCE SUMMARY

Organization Name	Designation	Duration
VMware, Bangalore	Staff Engineer	June 2020 – Till date
VMware, Bangalore	Intern	Jan 2010 - June 2010

Professional Experience

vRealize Operations Management Pack for Horizon [VMware, 2020- Present]:

With the vRealize Operations Management Pack for Horizon, you can monitor the performance and capacity of the remote desktops and applicationsin the data center and managed services of Horizon.

Architected, Designed, Developed and supporting huge customer base of vRealize Operations Management Pack for Horizon. Architected new system to scale for 200K objects solving critical scale issues with older implementationvia key design inputs to vSphere, vROps and Horizon platforms. The present implementation has reduced overhead on vROps by 80% and Customer configuration problems by 90%.

Responsibilities: Design, Development, Delivery and Technical Lead for an eight- m e m b e r team

Technologies Used: Core Spring, vROps SDK, VMware Horizon SDK.

VMware Mangle [VMware, 2018-Present]:

Mangle enables you to run chaos engineering experiments seamlessly against applications and infrastructure components to assess resiliency and fault tolerance. It is designed to introduce faults with very little pre-configuration and can support any infrastructure that you might have including K8S, Docker, vCenter or any Remote Machine. With its powerful plug-in model, you can define a custom fault of your choice based on a template and run it without building your code from scratch.

Architected, Designed and Developed Mangle by VMware®and presented in various technical forums like VMware R&D Innovation Offsite and VMworld. VMware Mangle is a Swiss knife tool for VMware SRE team to inject faults or mutations with zero knowledge on the code and infra.

Responsibilities: Design, Development, Delivery and Technical Lead for an eight- m e m b e r team

Technologies Used: Spring Boot, Cassandra DB, JVM internals, Web Services, Cloud Technologies, Hazel cast, p4j.

Interoperability Test Suite for VMware SDDC [VMware, 2016-18]:

Interoperability test suite was the first cross business unit initiative in VMware for improving the User Experience of the VMware customers. The suite was targeted for design and automated test execution against 18 products of VMware. The initiative was the stepping- stone for the inception of VMware Life Cycle Manager.

Responsibilities: Design, Development, Delivery and Technical Lead for 4-member team

Technologies Used: Core Java, Web Services, Maven Sdk, Jenkins

Performance & Scale Framework for vRealize Business Standard [VMware, 2013-16]:

VMware **vRealize Business Standard** provides visibility into the financial aspects of the cloud infrastructure while optimizing and improving its operations.

Designed and developed an internal portal for providing the day to day feedback on Performance and Scalability of the product. Implemented extensive notification capabilities along with the provision for comprehensive troubleshooting bundle to the developer.

Responsibilities: Design, Development and Delivery

Technologies Used: Core Java, Web Services, Jenkins

Performance & Scale testing for vCenter Chargeback Manager [VMware, 2010-13]:

VMware vCenter Chargeback Manager provides visibility into virtual machine costs and chargeback accountability for virtual machines managed within VMware vCenter Server.

Independently handled performance and scalability test deliverables for two major releases and three minor releases.

Responsibilities: Performance Scalability Design review, Test Plan Development, Performance test deliverables.

Technologies Used: **Core Java, Web Services, vSphere, Jenkins**

As a part of IIC self-driven activity for the academic year 2021-22, the department of computer science on 11th December 2021, conducted a webinaron **"Problem solving and Ideation Workshop"** Under the guidance of IIC president Dr. Sr. Marietta D'Mello-Principal and the convener of the program was Mrs. A. Mamatha HOD, Computer Science.

A One Day Webinar on “Problem Solving and Ideation Workshop”, was organized on11thDecember 2021. The Programme aims to provide opportunities to Undergraduate Students, Postgraduate students and faculty members to augment Knowledge & skills in key areas involved in Problem Solving and Ideation process.

The Speaker Mr. Hemanth kumarKilari shared his knowledge & experience on the multiple aspects and the many steps involved in problem solving and ideation process. He further elaborated on Good Idea Vs Bad idea and Best Student Entrepreneurship Practices that can be adopted to enhance the student’s abilities in solving critical problems.

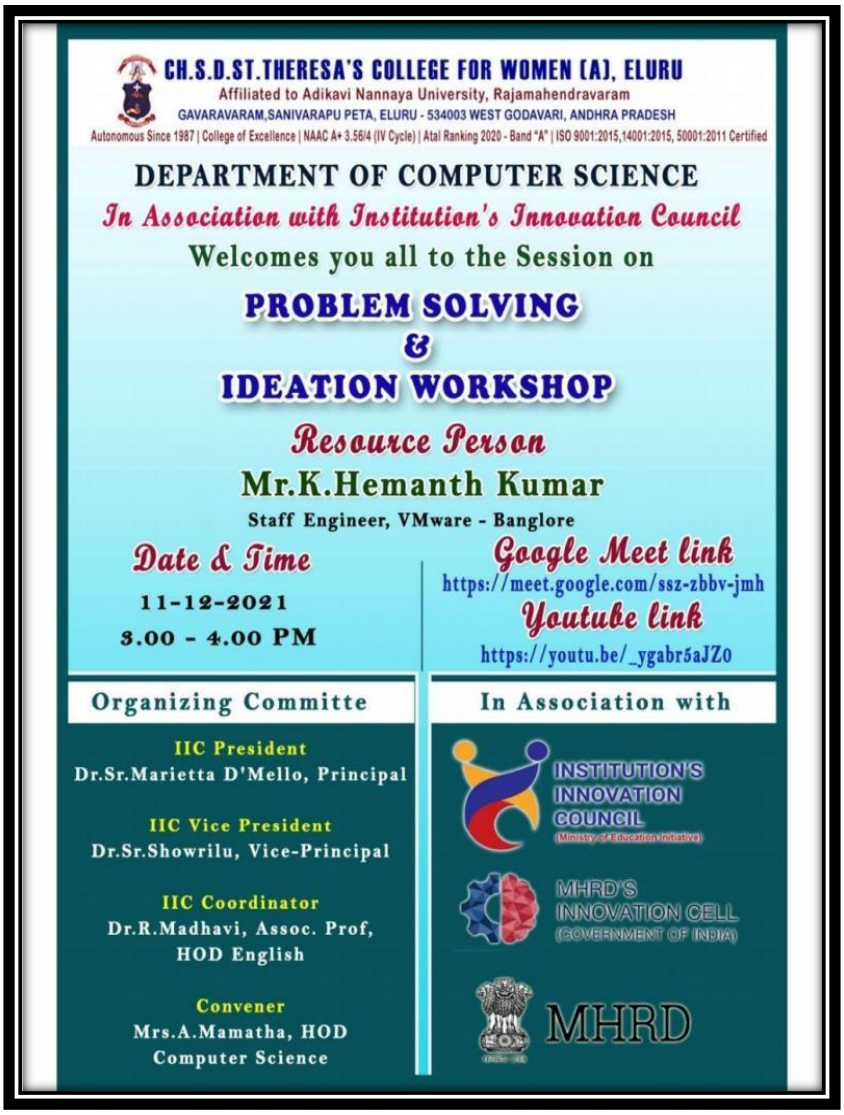
Feedback from students:

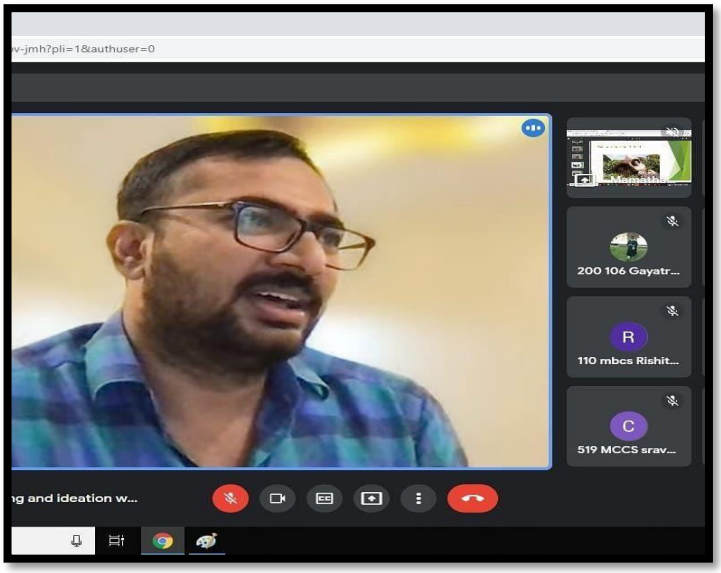
The students were happy with the knowledge they got from the speaker, they came to know the tips in identifying and solving the problems. The interaction session also helped them to note many points and the points were focused to encourage the students in making them to think of entrepreneurship.

Feedback from the resource person:

The speaker Mr. Hemanth Kumar Kilari was so happy to interact with the students through the webinar and sharing his ideas on the workshop. The interest and interaction of the students made him impressed to give best of his knowledge. The keen observation in listening to the points and asking him in the interaction session also made his best experience in the webinars.

Welcome banner for the event (Photo):





WEBINAR ON "UNION BUDGET 2022-2023"

The department of Computer Science conducted an WEBINAR ON "UNION BUDGET 2022-2023" on 05-02-2022 at St. Theresa's College (A), Eluru. The speaker, Dr Mahindra Babu Kuruva he is an Assistant Professor the speaker addressed a webinar on positive impact of Union Budget 2022 on the education and skill sectors. In this webinar 120 students are attending

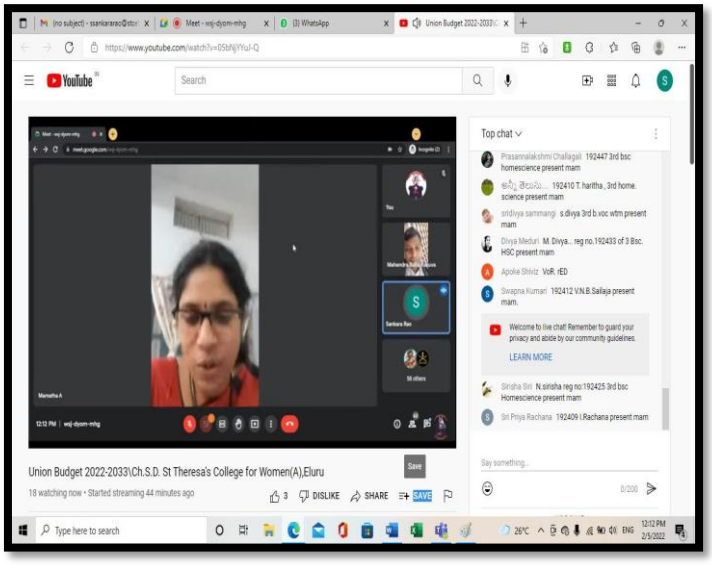
The Department of Visual Communication and Computer science jointly conducted a webinar titled on **"Union Budget 2022-2023"** on 05-02-2022 at St. Theresa's College (A), Eluru. He worries about Indian economy decimated and impact onthe GDP rate also. He explained to students on how cabinet ministries concerned with all sectors during present the budget. Andhra Pradesh state government gave importance of the cash in hand in different welfare schemes the process of Inclusive growth. He appreciates the honorable Prime Minister Mr. Narendra Modi's government esteemed Programme **"Aatmanirbhar Bharat"** through Digital Ecosystem for skilling and Livelihood and e-Skilling labs were announced in the budget with this vision in mind. At the end of the session, he clarified all doubts about on union budget.

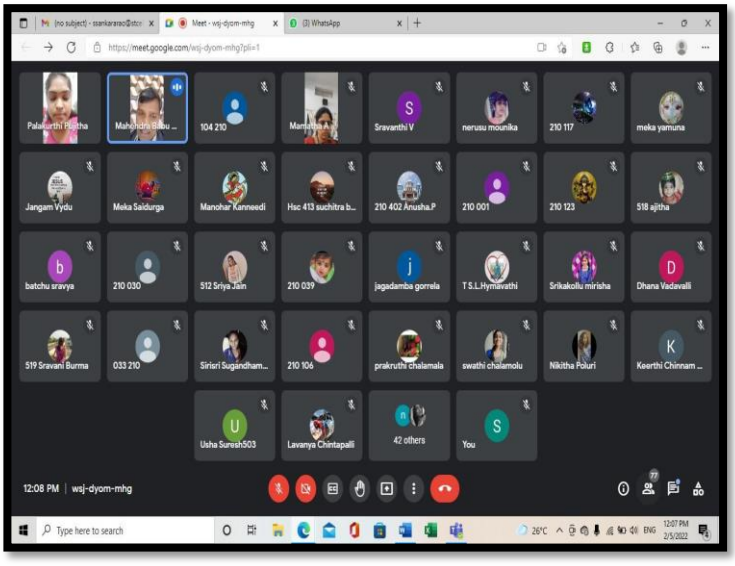
Feedback from students:

It's been honored to have such a resource person who talked on the "Union Budget 2022-2023" and its national importance, and how the funds been distributed to the different sectors in the Indian economy. The GDP growth rate and GST have been discussed in the session. The students have been inspired of this seminar. The students responded positively.

Feedback from the resource person:

Dr. Mahindra Babu Kuruva, HNB Sundarlal Bahuguna Central University Srinagar Uttarakhand, Faculty of Business Management he given positive energy to the students. Especially college for women plays key role for the national development and inclusive growth for their better opportunities.





WEBINAR ON " AWARENESS ON ANIMATION"

Department of Web Technology and Visual Communication organized a webinar on "Basics of Animatics" on April 28th, 2022 by Miss Nikita Das Animator and Media Researcher, who explained on what is story board and Animistic. What are the uses of story board in animation and anima tics and walk cycles she also shared her experience on Animation field. She alsoexplains about the opportunities in the 3de industry. The session started at 10am with around 30 participants and was followed by the interactive session.

During the session Faculty Mr. Sampan speaks to student this webinar more useful to web technology and Visual Communication student. Students will get basic idea about 3D film, VFX and Animation. End of the program Mr. Sankara Rao speaks to student's purpose Animation is also known as Visual Communication. He explains how animation is particularly helpful in creating clear and consistent messaging.

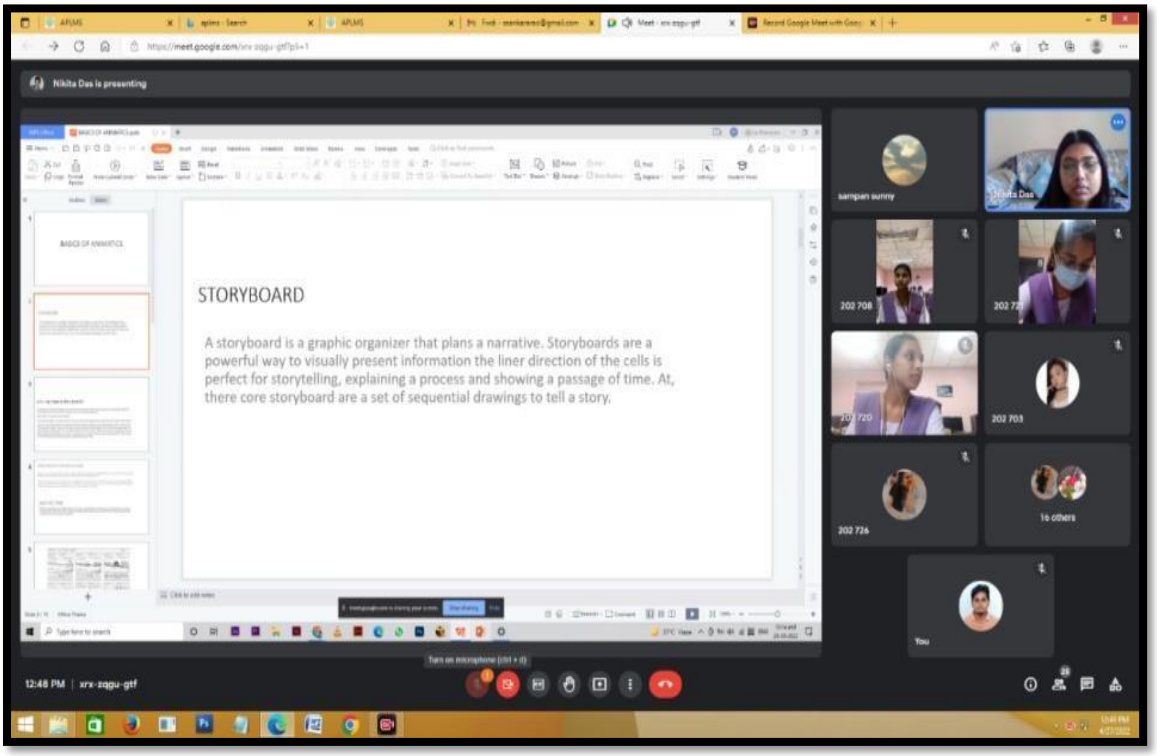
Feedback from students:

The departmental students more attractive this webinar. The speaker taken lecture through online. The goal of this webinar was to see how people interact and learn during an Anima tics-based simulation when they were given graphical and textual feedback. Students worked with a simple simulation that modeled the link between acceleration and velocity in two tests. The subjects interacted with the computer simulation in a discovery-based manner, with no formal science principles being taught. In a game-like setting, subjects had control overthe acceleration of a basic screen object—a ball.

Feedback from the resource person:

She is addressing with the students about on Career Opportunities Full-length animated movies are highly popular. A single animation film can require up to 500 animators, implying many job openings. Animation is a visible, lucrative, and demanding career option that caters to both the enjoyment and education (e-learning) industries.

28 TH
APRIL
AT 10:00 AM
LIVE
WEBINAR
Basics of Animatics,
Future Prospects of animatics
Nikita Das
GUEST SPEAKER


Nikita Das is presenting
STORYBOARD
A storyboard is a graphic organizer that plans a narrative. Storyboards are a powerful way to visually present information the liner direction of the cells is perfect for storytelling, explaining a process and showing a passage of time. At, there core storyboard are a set of sequential drawings to tell a story.
sampan sunny
Nikita Das
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202 703
202 726
16 others
You
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