

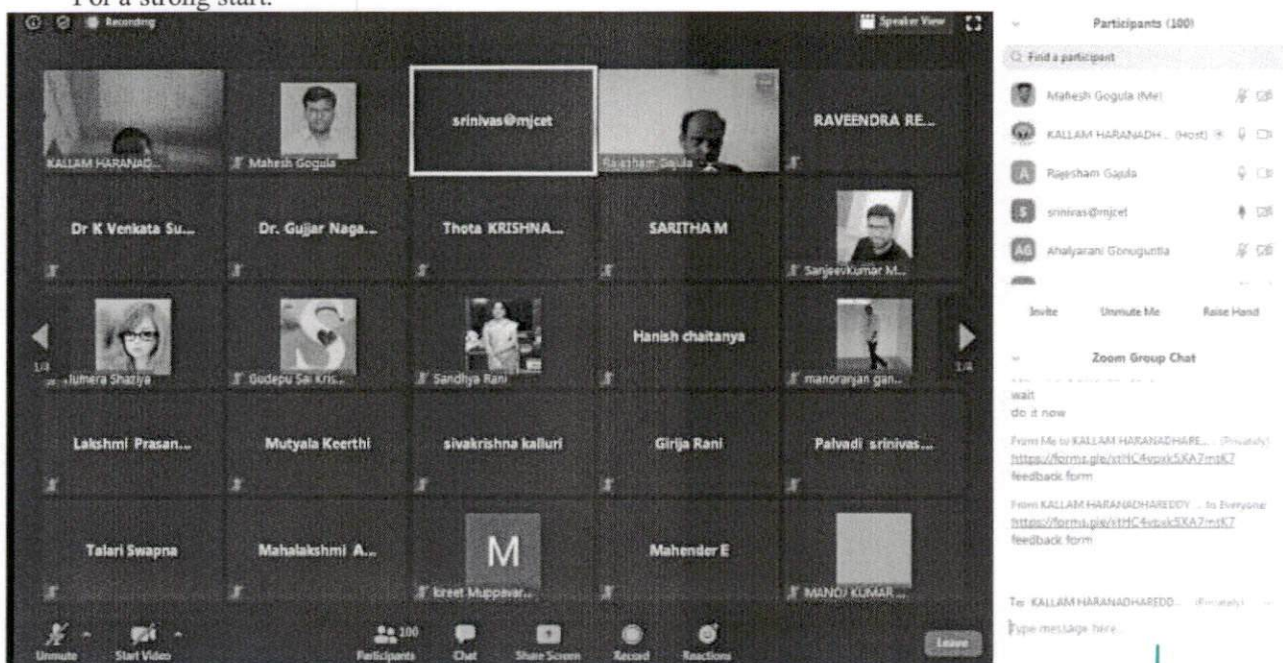
G.PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY
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Nandikotkur Road, Venkayapalli (V), Kurnool- 518452, Andhra Pradesh
Department of Computer Science and Engineering

ALUMNI TALK ON “placements, further education, certification courses”

Date: 21-11-2020

Alumni talk on Data Analytics Concepts was organized under Department of Computer Science and Engineering on 21-11-2020. The resource person is Mr. J. KAMMARA ARUN KUMAR, Software Engineer in Larsen & Toubro, Airoli, Hyderabad. All III Year students, HOD & Faculty of CSE Department attended the talk. The talk Mr. Bharadwaj discussed the importance of placement and answered questions on the 2–5 year corporate bond. He advised the students to concentrate on their final year project because it accounts for 40 to 60 % of the interview. He clarified several fundamental issues on the Aptitude, Group Discussion, Technical (1 or 2), and HR rounds, and advised students to improve their abilities by obtaining certification or acquiring a higher degree. He also said that Testing and developing test cases, as well as having a firm grasp on one subject is essential. He taught the participants about the degrees offered by renowned IT companies, as well as the significance of the company's training time (also called as honeymoon period). He also answered students' questions on employment stability, job change, and pay hike and recommending them to focus on the company's position rather than the remuneration package

For a strong start.



Principal
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(AUTONOMOUS)

ALUMINI SERIES
COMPUTER SCIENCE AND ENGINEERING

WEBINAR
ON

PLACEMENTS , FURTHER EDUCATION,
CERTIFICATION COURSES

BY
MR.J.K.ARUN KUMAR



10-7-2019



10:30 A.M



ONLINE



www.gpcet.in

E. Jini
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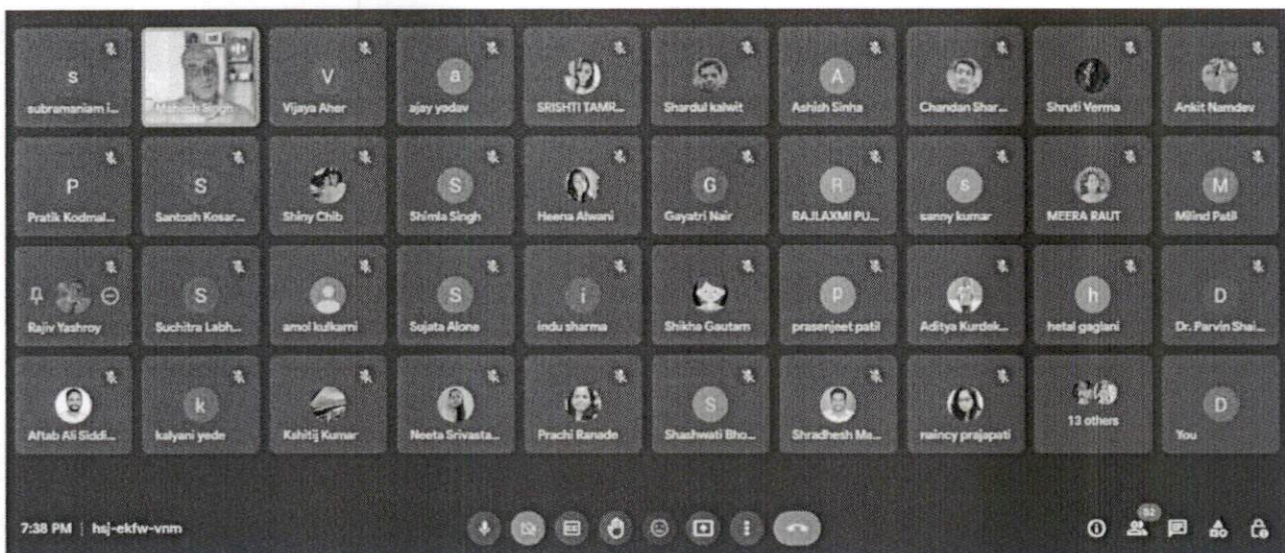
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Department of Computer Science and Engineering
ALUMNI TALK ON" FULL STACK WEB DEVELOPMENT"

Date: 10-10-2020

Alumni talk on Data Analytics Concepts was organized under Department of Computer Science and Engineering on 10-10-2020. The resource person is Mr. BUNABOINA KOTESH, graduate of 2021 batch, She is currently working as Software Engineer at Oracle Cerner. All III Year students, HOD & Faculty of CSE Department attended the seminar. The title of the event was "FULL STACK WEB DEVELOPMENT". She addressed the all III year students. She spoke about Full stack development, the scope of the field, career prospects and the skills required for being a full stack developer. She spoke about the how she prepared for the placements and motivated the students and guided them on how to prepare for placements. The session was interactive, and students wanted to know more on cracking the best opportunity given to them. More than 70 members of students of CSE department have attended and benefited from this event.



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ALUMINI TALK
COMPUTER SCIENCE AND ENGINEERING

WEBINAR
ON
FULL STACK WEB DEVELOPMENT

By
Mr.B.Kotesh



10-10-2020



10:30 A.M



ONLINE

www.gpcet.ac.in

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Department of Computer Science and Engineering

ALUMNI TALK ON "Basics of Robotics"

Date: 08-09-2020

Alumni talk on **Basics of Robotics** was organized in virtual mode under Department of Computer Science and Engineering on 08-09-2020. The resource person is Ms.T.K.CHAITANYA – Currently working as Business Systems Analyst at VMware Software India Private Limited. All II Year students, HOD & Faculty of CSE Department attended the seminar. The course started an engaging introduction to the fascinating world of robotics and Arduino programming by the Trainer. Participants gained insights into the principles of robotics and the basics of programming using the versatile Arduino platform. The day concluded with hands-on simulation exercises using Tinkercad, allowing attendees to visualize and experiment with their newly acquired knowledge.



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**ALUMINI TALK
COMPUTER SCIENCE AND ENGINEERING**

WEBINAR
ON
BASICS OF ROBOTICS

BY
MS.T.K.CHAITANYA

 **08-09-2020**  **10:30 A.M**  **ONLINE**

 **www.gpcet.in**

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Department of Computer Science and Engineering

ALUMNI TALK ON "EXPLORING AWS CLOUD AND DEVOPS"

Date: 12-03-2020

A webinar was conducted for all the B. Tech students under the Alumni Talk Series by the Department of Computer Science and Engineering on "Exploring AWS Cloud DevOps" by Alumni Mr. C Ajay Kumar, Trainer at Accenture, Bangalore on 12th March 2020 through online. The Seminar mainly focused on Exploring AWS cloud and DevOps. The cloud computing and DevOps has revolutionized the way businesses build, deploy, and manage their applications. Amazon Web Services (AWS) stands out as a leading cloud service provider, offering a wide range of services that empower organizations to innovate and scale with flexibility and efficiency. In a recent talk titled "Exploring AWS Cloud and DevOps," we delved into the key concepts, tools, and best practices in leveraging AWS and DevOps methodologies for successful software development and deployment.

Key Points Covered:

1. Introduction to AWS Cloud
2. Core Concepts of DevOps
3. AWS DevOps Tools and Services
4. Best Practices for AWS Cloud and DevOps
5. Case Studies and Success Stories.

C. Jini
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ALUMINI SERIES
COMPUTER SCIENCE AND ENGINEERING



WEBINAR
ON
EXPLORING AWS CLOUD AND DEVOPS
For 3rd Years of GPCET

C. Ajay Kumar
Trainer
Accenture, Bangalore



12-03-2020



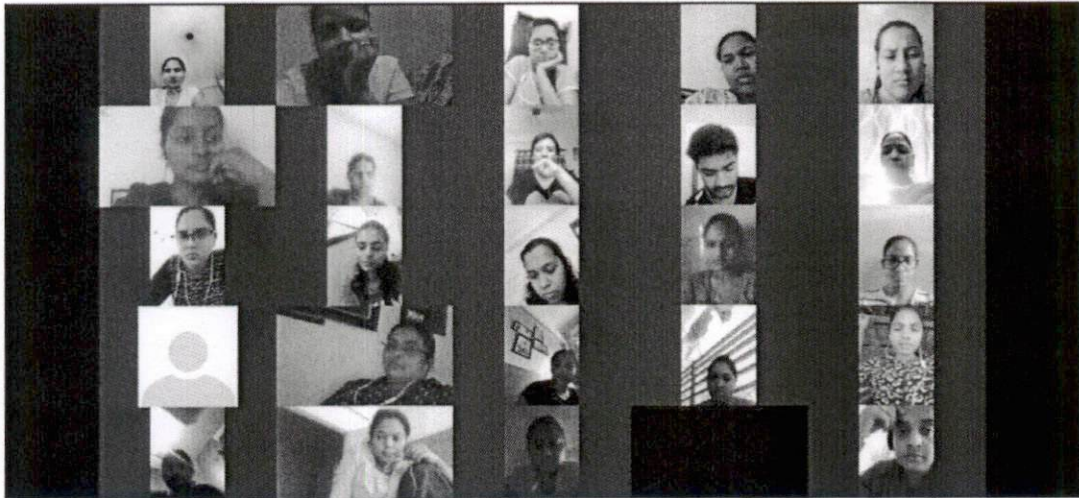
10:30 A.M



ONLINE



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By the end of the seminar, the participants learnt the essentials of Amazon Web Services (AWS), AWS Cloud & DevOps solutions development and deployment. Also, the students learnt about the working of AWS services, Continuous Integration/Continuous Deployment (CI/CD) workflows, elucidating their role in AWS and DevOps practices, and how to implement it in real time scenarios. The workshop provided a good insight on various applications on AWS cloud. It helped students to understand coding practices in industry for efficient handling of projects.

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Department of Computer Science and Engineering

ALUMNI TALK ON “3D – PRINTING”

Date: 10-04-2020

A webinar was conducted for all the III B. Tech students under the Alumni Talk Series by the Department of Computer Science and Engineering on “3D-Printing” by Alumni Mr. B Raj Kishore, Trainer at Ralph Lauren, Bangalore on 10th April 2020 through online. The trainer would introduce participants to the fundamentals of 3D printing, including its technology and applications across industries. They would delve into the various materials used and their properties, guiding participants in material selection for different projects. The workshop would cover the entire 3D printing process from design to finished part, emphasizing CAD software for modelling and slicing software for preparation. Practical aspects like printer operation, maintenance, and troubleshooting would be addressed, along with design considerations to optimize prints. Post-processing techniques such as sanding, and painting would also be explored. Advanced topics like multi-material printing might be introduced based on audience interest. The discussions by participants on understanding skills in 3D printing.

Key Points Covered:

1. Introduction to 3D Printing
2. Applications in Various Industries
3. Materials and Techniques
4. Case Studies
5. Future Trends

C. J. Prasad
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ALUMINI SERIES
COMPUTER SCIENCE AND ENGINEERING

WEBINAR

ON
3D PRINTING
For 4th years of GPCET

10-04-2020 10:30 A.M

ONLINE

www.gpcet.in



B. Raj Kishore
Trainer
Ralph Lauren, Bangalore



Participants gained a profound understanding of the evolving field of 3D printing, from its foundational principles to its transformative applications across industries. The alumni talk on "3D Printing" served as a valuable platform for students and faculty to delve into the innovative world of 3D printing. By gaining insights from an industry expert, attendees were equipped with the knowledge to appreciate the current trends and envision the future possibilities of this revolutionary technology. As the field of 3D printing continues to evolve, events like these play a crucial role in bridging the gap between academia and industry, preparing students for the challenges and opportunities that lie ahead in the realm of advanced manufacturing technologies.

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Department of Computer Science and Engineering

ALUMNI TALK ON "CYBER SECURITY"

Date:18-06-2020

A webinar was conducted for all the B. Tech students under the Alumni Talk Series by the Department of Computer Science and Engineering on "Cyber Security" by Alumni Mr. D Akash Yadav, Trainer at Tech Mahendra, Chennai on 18th June 2020 through online. As alumni of our esteemed institution, we gather to share our insights, experiences, and expertise in the field of cyber security. From defending against cyber threats to navigating the complex landscape of digital security, our alumni have invaluable perspectives to offer. Join us as we delve into the realm of cyber security and explore the strategies, challenges, and innovations shaping the future of digital protection.

Key Points Covered:

1. The Cyber Threat Landscape
2. Cyber security Frameworks and Best Practices
3. Insider Threats and Social Engineering
4. Incident Response and Crisis Management
5. Cloud Security and Emerging Technologies
6. Regulatory Compliance and Data Privacy
7. Cyber security Careers and Skill Development


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ALUMINI SERIES
COMPUTER SCIENCE AND ENGINEERING

WEBINAR

ON
CYBER SECURITY
For 3rd Years of GPCET



D.Akash Yadav
Trainer
Tech Mahendra, Chennai

18-06-2020

10:30 A.M

www.gpcet.in



As alumni dedicated to safeguarding the digital realm, we recognize the importance of collaboration, innovation, and vigilance in addressing the ever-evolving cyber security landscape. By sharing our experiences, insights, and best practices, we aim to empower individuals and organizations to navigate the challenges of cyber security and build a safer, more secure digital future. Together, we can stand as guardians of the digital realm, protecting against cyber threats and preserving the integrity of our digital infrastructure.

Srinivas
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ALUMNI WEBINARS – 2020-21

A webinar was conducted for all the B.Tech students under Alumni Talk Series by the Department of ECE on “**Microsoft Dynamics**” by Alumni **Mr.Shaik Aneef, FICO Manager** on 08th July 2020 through Teams Platform.

The webinar was all about the Skill Set required for getting Job Opportunities in Finance Sector. Particularly, highlighted the functional skills required in Finance Sector and also Career Opportunities in that domain. Initially, **Mr.Shaik Aneef** has given brief on technical skills in Finance Sector and its use in the present scenario.

Further, he said like companies in the finance sector are always on the lookout for skilled professionals. In fact, India is facing a shortage of skilled professionals. She opined that in the finance sector candidates are recruited basic skills such as Analytical Thinking, Logistics, Transportation, Accounting Skills, Business Intelligence, Financial Modeling, Financial Reporting, Cash Flow Management, Mathematics, Financial Management etc.

At the end of the webinar, an interactive Questions & Answers session was organized in which the resource person addressed to the questions of the students about the webinar. Most of the questions were about how to equip those skills, list of top MNCs working on these domains, future of sector and salary structure in the domain etc.


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Talk on
“Microsoft Dynamics”
8th July 2020
10:30 AM


SHAIK ANEEF
FICO, Manager



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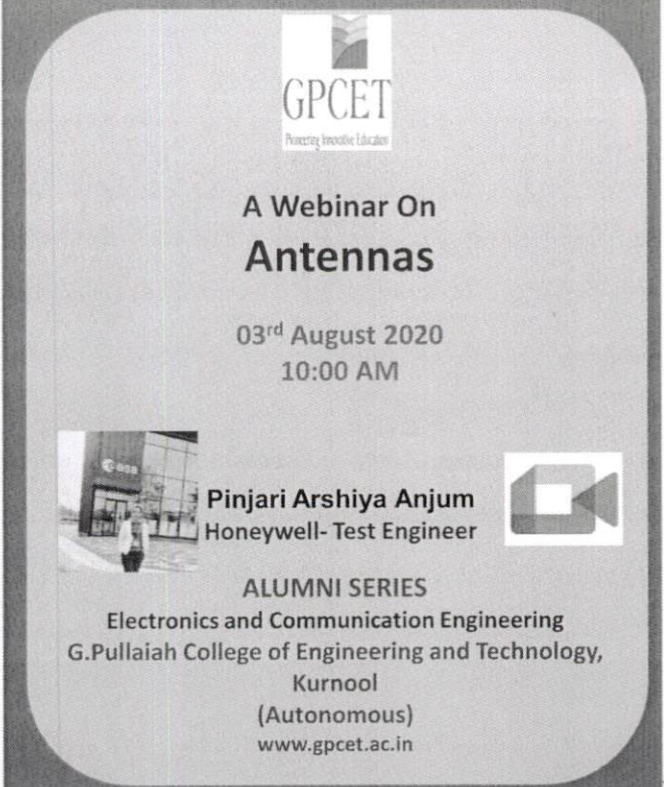
A webinar was conducted for all the B.Tech students under Alumni Talk Series by the Department of ECE a session namely; “**Antennas** ”by Alumni **Ms.P. Arshiya Anjum, Honeywell, Test Engineer, Delhi** on 03rd August 2020 through Google Meet Platform.

The webinar was all about the Career Opportunities in Amazon and Skills required for getting Job Opportunities in Antennas Design and Fabrication Field. Particularly, highlighted the technical skills required in to work in Antennas and also Career Opportunities in Antennas Field. Initially, **Ms.P. Arshiya Anjum** has given brief on Antennas technologies and its use in the present scenario.

Further, she said like companies in the Antenna Manufacturing are always on the lookout for skilled professionals. In fact, India is facing a shortage of skilled professionals. She opined that in the Antennas candidates are recruited skills such as Designing, Material selection, Simulation, Fabrication goodcommunication and presentation skills, strongdocumentation and analytical skills, ability to engage and interact independently with client personnel, work in result-oriented team environment, work in a multi-time zone environment and travel to other offices if required etc.

At the end of the webinar, an interactive Questions & Answers session was organized in which the resource person answered to the questions of the students. Most of the questions

were about how to equip those skills, how to get job in Antenna Field, future of sector and salary structure in the domain etc.





The poster is for a webinar titled "A Webinar On Antennas" held on 03rd August 2020 at 10:00 AM. The speaker is Pinjari Arshiya Anjum, a Honeywell Test Engineer. The webinar is part of the Alumni Series for Electronics and Communication Engineering at G.Pullaiah College of Engineering and Technology, Kurnool (Autonomous). The website www.gpcet.ac.in is listed at the bottom. The poster features the GPCET logo at the top, a small photo of a building on the left, and a video camera icon on the right.

A webinar was conducted for all the B.Tech students under Alumni Talk Series by the Department of ECE a session namely; “**System Technologies in Software Industry**” by Alumni **Mr.S. Siva Shankar Reddy, Wipro Tech** on 02-03 October 2020 through Teams Platform.

The webinar was all about sharing the ongoing trends in IT industry and particularly, lightened in Niche Technologies in IT Industry and Career Opportunities in that domain. Initially, **Mr.S. Siva Shankar Reddy** has given brief on Niche Technologies in IT Industry and its use in the present scenario.

Further, he said like Niche skill means a specific area in which you have to have more knowledge (or) experience. He opined that in the IT industry candidates are recruited based on their niche skills such as machine learning, data engineering, data visualization, artificial intelligence, Java programming, and cloud computing, etc.

At the end of the webinar, an interactive Questions & Answers session was organized in which the resource person addressed to the questions of the students about the webinar. Most of the questions were about how to equip those skills, list of top MNCs working on these technologies, future of technologies and salary structure in the domain etc.


GPCET
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A Presentation
on
**“System Technologies in
Software Industry”**
02-03 October 2020
04:30 PM
Sowduri Siva Shankar Reddy
Wipro Tech

ALUMNI SERIES
Electronics and Communication Engineering
G.Pullaiah College of Engineering and
Technology, Kurnool
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www.gpcet.ac.in


A webinar was conducted for all the B.Tech students under Alumni Talk Series by the Department of Electronics & Communication Engineering on **“3D Printing Technologies”** by Alumni **Mr.S.Sumanth, Stellantis Digital Hub** on 01st December 2020 through Teams Platform.



The webinar was all about sharing the ongoing trends in **3D Printing Technologies** industry and particularly, lightened in Niche Technologies in **3D Printing Technologies** Industry and Career Opportunities in that domain. Initially, **Mr.S.Sumanth** has given brief on Niche Technologies in **3D Printing** Industry and its use in the present scenario.

Further, he said like Niche skill means a specific area in which you have to have more knowledge (or) experience. He opined that in the **3D Printing** industry candidates are recruited based on their niche skills such as Designing, Modeling, Simulating, thinking, Material Selection etc.

At the end of the webinar, an interactive Questions & Answers session was organized in which the resource person addressed to the questions of the students about the webinar. Most of the questions were about how to equip those skills, list of top MNCs working on these technologies, future of technologies and salary structure in the domain etc.


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**3D Printing
Technologies**
1st December 2020
12:00 PM


Sura Sumanth
Stellantis Digital Hub 

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Kurnool
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A webinar was conducted for all the B.Tech students under Alumni Talk Series by the Department of Electronics & Communication Engineering on “**Cyber Security**” by Alumni **Mr.M Ashok Kumar Reddy, GenySoft, Bangalore** on 09th March 2021 through Microsoft Teams.

The webinar was all about sharing the ongoing trends in IT industry and particularly, lightened in Advanced Technologies in IT Industry and Career Opportunities in that domain. Initially, Mr. K. Rakesh has given brief on Advanced Technologies in IT Industry and its use in the present scenario.

Further, he said like expertise skill means a specific area in which you have to have more knowledge (or) experience. He opined that in the IT industry candidates are recruited based on their niche skills such as expertise in Networking, Hacking and avoiding with proficient programming languages such as Artificial Intelligence and Machine Learning, Robotic Process Automation (RPA), Block Chain etc.

At the end of the webinar, an interactive Questions & Answers session was organized in which the resource person addressed to the questions of the students about the webinar.

Most of the questions were about how to equip those skills, list of top MNCs working on these technologies, future of technologies and salary structure in the domain etc.



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Talk on
“Cyber Security”
9th March 2021
10:30 AM



Metla Ashok Kumar Reddy
Geny Soft, Software



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A webinar was conducted for all the B.Tech students under Alumni Talk Series by the Department of Electronics & Communication Engineering on **“Image Processing in Medical Fields”** by Alumni **Mr.B.Yaswanth,Virtusa, Pune** on 05-06 January 2021 through Google Meet.

The webinar was all about sharing the ongoing trends in **Image Processing** industry and particularly, lightened in Cutting Edge Technologies in **Image Processing in Medical Field** Industry and Career Opportunities in that domain. Initially, **Mr.B.Yaswanth** has given brief on Cutting Edge Technologies in **Image Processing** Industry and its use in the present scenario.

Further, he said like expertise skill means a specific area in which you have to have more knowledge (or) experience. He opined that in the **Image Processing** industry candidates are recruited based on their niche skills such as expertise in Design, Modeling, Algorithms, Analysing, Computing Technologies to extract of information etc.

At the end of the webinar, an interactive Questions & Answers session was organized in which the resource person addressed to the questions of the students about the webinar.

Most of the questions were about how to equip those skills, list of top MNCs working on these technologies, future of technologies and salary structure in the domain etc.




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A Webinar

on

**“Image Processing in
Medical Fields”**

05-06 January 2021
11:00 AM



Bandaru Yaswanth
Virtusa



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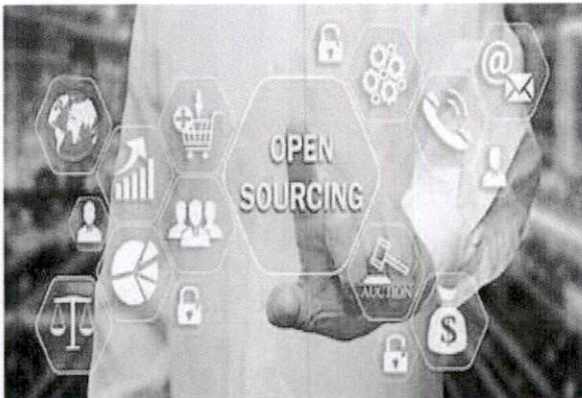
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


IMPORTANCE OF OPEN-SOURCE CONTRIBUTION

Department of EEE, G.Pullaiah College of Engineering and Technology is organising in association with Ms.Nelluru Jyothirmai a one day webinar on "IMPORTANCE OF OPEN SOURCE CONTRIBUTION" on 29/09/2020. Ms.Nelluru Jyothirmai is the Benz Research & Development INDIA . A total of 115 students attended in this session from II year 1ST sem B.Tech 2021.







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Alumini Talk on **Importance of Open Source Contribution**



Benz Reserch
&
Development
INDIA



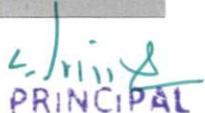
NELLURU JYOTHIRMAI

29/09/2020

2 : 00 P.M.

**Organized By
Department of Electrical and Electronics Engineering**

x x x


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Open source contribution holds significant importance for individuals, communities, and the broader technology landscape for several reasons:

1. **Fostering Collaboration and Innovation:** Open source projects provide a platform for collaboration among developers, allowing them to work together on shared goals and contribute their expertise to improve software and solve complex problems. By fostering an environment of collaboration and knowledge sharing, open source accelerates innovation and drives the development of cutting-edge technologies.

2. **Building Skills and Experience:** Contributing to open source projects offers valuable opportunities for developers to enhance their skills, gain practical experience, and expand their knowledge in specific domains or technologies. By participating in real-world projects, developers can improve their coding proficiency, learn new programming languages, explore different tools and frameworks, and develop best practices in software development.


3. **Community Engagement and Networking:** Open source communities provide a supportive and inclusive environment where developers from diverse backgrounds can connect, share ideas, and build relationships. Engaging with the open source community enables developers to network with like-minded peers, collaborate with experts in their field, receive mentorship and feedback, and establish a professional reputation within the industry.

4. **Promoting Transparency and Accountability:** Open source software is built on the principles of transparency, allowing users to inspect, modify, and redistribute the source code freely. By making software code accessible to the public, open source projects promote transparency, accountability, and trust, as users can verify the integrity of the code, identify and fix security vulnerabilities, and contribute improvements to the software.

5. **Driving Adoption and Accessibility:** Open source software is often more accessible and cost-effective than proprietary solutions, as it can be freely distributed, customized, and adapted to suit individual needs. By democratizing access to technology, open source projects empower users and organizations of all sizes to leverage high-quality software solutions, driving widespread adoption and innovation across industries.

6. **Supporting Social Impact and Diversity:** Open source communities are committed to diversity, inclusion, and social impact, striving to create welcoming spaces where individuals from diverse backgrounds can contribute meaningfully and make a positive difference. By promoting diversity and equity in technology, open source projects enrich the community with a wide range of perspectives, experiences, and talents, leading to more inclusive and innovative solutions.

7. **Contributing to the Common Good:** Open source software is a public good that benefits society as a whole by democratizing access to technology, fostering collaboration, and driving innovation. By contributing to open source projects, developers have the opportunity to give back to the community, contribute to the common good, and make a lasting impact on the world.


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Overall, open source contribution plays a vital role in advancing technology, empowering developers, promoting collaboration, and driving positive social change. By actively participating in open source projects, developers can leverage their skills and expertise to create value, build connections, and contribute to a more open, inclusive, and innovative technology ecosystem.


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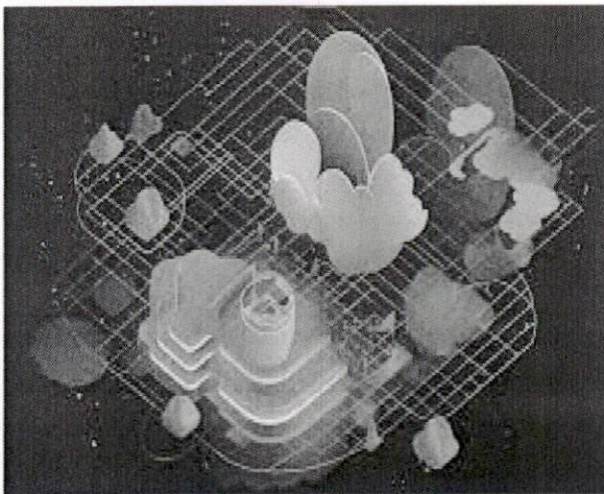
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

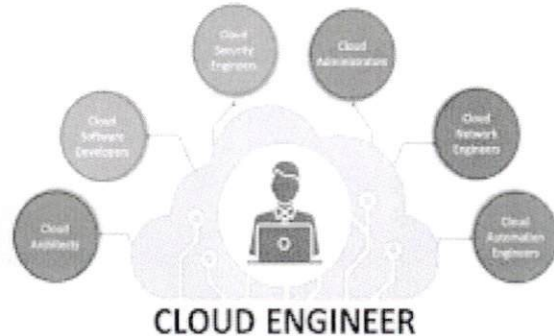
DEVELOPS FUNDAMENTALS AND CLOUD ENGINEERING

Department of EEE, G.Pullaiah College of Engineering and Technology is organising in association with Ms. Mulinti Sindhuja a one day webinar on "DEVELOPS FUNDAMENTALS AND CLOUD ENGINEERING" on 01/05/2021. Ms. Mulinti Sindhuja is the Lead Site Reliability Engineering. A total of 110 students attended in this session from III B.tech.



CLOUD ENGINEER

Types of Cloud Engineer (Male infographic)



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Alumini talk

on

DEVOPS FUNDAMENTALS AND CLOUD ENGINEERING



Miss. Mulinti Sindhuja
Trainee Engineer DXC, Technologies,
Hyderabad.



1 | 5 | 2021



10 : 00 a.m.



Block - 3

Organized By

Department of Electrical and Electronics Engineering

Chiranjeevi
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Developing fundamentals in cloud engineering involves gaining a solid understanding of cloud computing principles, architectures, and technologies. Here's a roadmap to help you build a strong foundation in this field:

1. **Learn the Basics of Cloud Computing:** Start by familiarizing yourself with the fundamentals of cloud computing, including the different service models (IaaS, PaaS, SaaS), deployment models (public, private, hybrid), and key concepts such as virtualization, elasticity, and scalability.
2. **Master Cloud Platforms:** Dive deeper into popular cloud platforms such as Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform (GCP). Learn about their core services, management tools, security features, and best practices for deploying and managing applications in the cloud.+
3. **Gain Proficiency in Infrastructure as Code (IaC):** Explore tools like Terraform, AWS CloudFormation, or Azure Resource Manager to automate the provisioning and management of cloud infrastructure. Learn how to define infrastructure components using code and leverage version control systems for managing infrastructure configurations.
4. **Develop Skills in Cloud Networking and Security:** Understand cloud networking concepts such as virtual networks, subnets, load balancing, and content delivery networks (CDNs). Learn about cloud security best practices, including identity and access management (IAM), encryption, network security groups, and compliance standards.
5. **Explore Containerization and Orchestration:** Familiarize yourself with containerization technologies like Docker and container orchestration platforms like Kubernetes. Learn how to deploy, manage, and scale containerized applications in the cloud using Kubernetes clusters.
6. **Build Expertise in DevOps Practices:** Learn about DevOps principles, continuous integration/continuous deployment (CI/CD) pipelines, automated testing, and deployment strategies for cloud-native applications. Gain hands-on experience with tools like Jenkins, GitLab CI/CD, and GitHub Actions.
7. **Stay Updated with Cloud Trends and Innovations:** Follow industry blogs, attend webinars, and participate in online communities to stay informed about the latest trends, best practices, and emerging technologies in cloud engineering. Keep exploring new services, features, and tools offered by cloud providers to enhance your skills and knowledge.
8. **Earn Relevant Certifications:** Consider pursuing certifications such as AWS Certified Solutions Architect, Microsoft Certified: Azure Solutions Architect Expert, or Google Cloud Professional Cloud Architect to validate your expertise in cloud engineering and enhance your credibility in the job market. By following this roadmap and continuously learning and experimenting with cloud technologies, you'll be well-equipped to pursue a career in cloud engineering and contribute effectively to the design, deployment, and management of cloud-based solutions.


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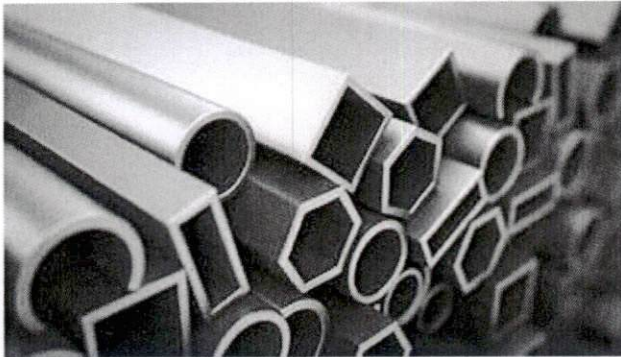
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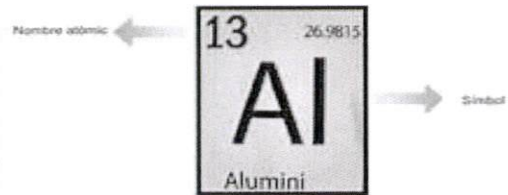
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ALUMINI OF ACEIT

Department of EEE, G.Pullaiah College of Engineering and Technology is organising in association with Ms.P.Lakshmi Priya a one day webinar on "ALUMINI OF ACEIT" on 29/09/2020. Ms.P.Lakshmi Priya is the R&D Engineer in Desire Energy PVT Ltd. A total of 120 students attended in this session from III year 1ST sem B.Tech 2021.



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Alumini talk

on

ALUMINI OF ACEIT



PESALADINNE LAKSHMIPRIYA

R&D Engineer in Desire Energy PVT Ltd

2 | 10 | 2020

10 : 00 a.m.

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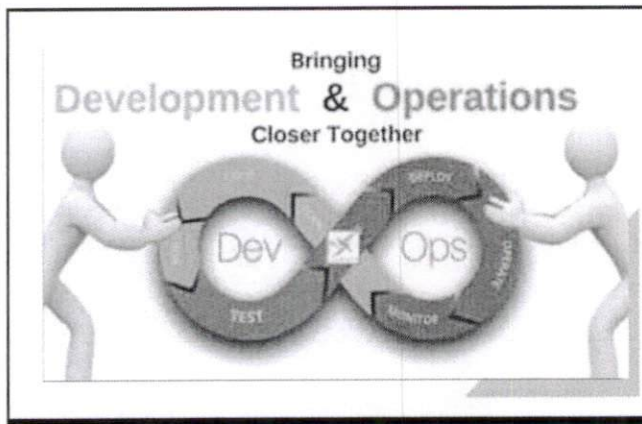
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING REPORT ON CAREER OPPORTUNITIES IN IT SECTRO FOR ELECTRICAL ENGINEERS

Department of EEE, G.Pullaiah College of Engineering and Technology is organising in association with Ms. S. Shahinoor Banu a one day webinar on "Career Opportunities in IT sector for Electrical Engineers" on 22/05/2021. Ms.S. Shahinoor Banu is the DevOps Engineer from Capgemini. A total of 110 students attended in this session from III B.Tech in online mode.



GPCET
Preserving Innovative Education

**A Webinar on
CAREER OPPORTUNITIES
IN IT SECTOR FOR ELECTRICAL ENGINEERS**
organized by
Department of Electrical and Electronics Engineering



Presentation by
Alumni of GPCET (2012-16 Batch)
Miss. S.Shahinoor Banu
DevOps Engineer, Capgemini.

02.00 PM | 22-05-2021 | zoom

www.gpcet.ac.in

Srinivas
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Electrical engineers can find various rewarding career opportunities within the IT sector. The convergence of electrical engineering and information technology has led to the creation of roles that require a strong background in both areas. Here are some career paths and opportunities for electrical engineers in the IT sector:

- 1. Embedded Systems Engineer:** Involves designing and developing embedded systems, which often require a combination of electrical engineering skills and programming knowledge.
- 2. Hardware Engineer:** Working on the design, development, and testing of computer hardware components. This can include everything from circuit boards to processors.
- 3. Network Engineer:** Designing, implementing, and managing computer networks. Electrical engineers with a focus on communications and signal processing can find this field particularly interesting.
- 4. Firmware Engineer:** Developing firmware for embedded systems. This role often involves low-level programming and requires an understanding of hardware architecture.
- 5. Data Center Engineer:** Involves designing, implementing, and maintaining the infrastructure of data centers. This can include power distribution, cooling systems, and overall facility management.
- 6. Control Systems Engineer:** Designing and implementing control systems for various applications, including industrial automation, robotics, and smart systems. This field often requires a combination of electrical engineering and software skills.
- 7. Software Engineer with a focus on Electrical Systems:** Developing software applications that interface with electrical systems or involve signal processing. This could include control software, simulation tools, or automation software.
- 8. Cybersecurity Analyst:** Securing information systems and networks against cyber threats. Electrical engineers can contribute to this field by ensuring the security of hardware components and implementing secure communication protocols.
- 9. IoT (Internet of Things) Engineer:** Designing and implementing systems that connect physical devices to the internet. This involves a combination of hardware design, communication protocols, and software development.
- 10. Telecommunications Engineer:** Working on the design, implementation, and maintenance of communication systems, including wired and wireless networks. To enhance your employability in the IT sector, consider gaining additional skills in programming languages, software development, and relevant technologies. Additionally, pursuing certifications in areas like networking (e.g., Cisco CCNA), cybersecurity (e.g., CISSP), or specific programming languages can be beneficial. Networking, attending industry events, and staying updated on the latest technological trends will also help you build a strong presence in the IT job market.

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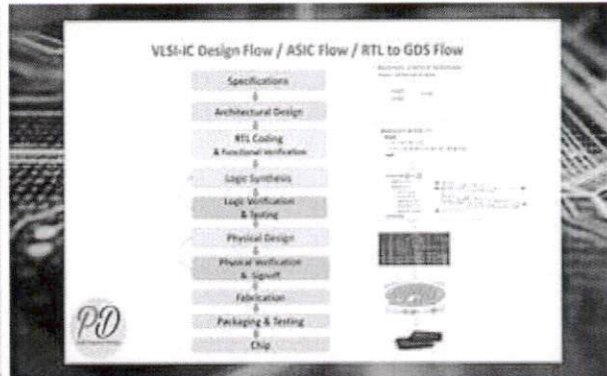
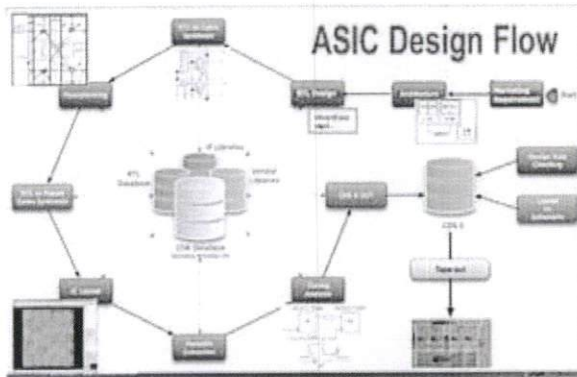
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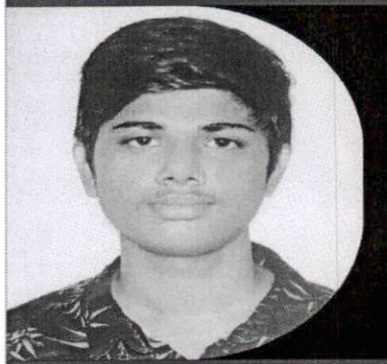
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REPORT ON VLSI ASIC DESIGN: An Industrial Perspective

Department of EEE, G.Pullaiah College of Engineering and Technology is organising in association with Mr .Talari Rushi Kesh a one day webinar on "VLSI ASIC DESIGN: An Industrial Perspective" on 07/11/2020. Mr .Talari Rushi Kesh is the Staff Engineer . A total of 100 students attended in this session from IV year 1ST sem B.Tech 2021.



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Alumini Talk on

VLSI ASIC DESIGN : An Industrial Perspective

Mr.TALARI RUSHI KESH
System Engineer, HCL Technologies, Pune



7 NOV 2020



10 : 00 a.m.

Organized by
Department Of Electrical and Electronics Engineering

L. Jiniya
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VLSI (Very Large Scale Integration) ASIC (Application-Specific Integrated Circuit) design plays a crucial role in the development of modern electronic devices and systems. Here's an overview from an industrial perspective:

1. Definition and Importance: VLSI ASIC design involves creating custom integrated circuits tailored to specific applications, such as microprocessors, memory chips, sensors, or communication devices. These chips are designed to optimize performance, power consumption, size, and cost for targeted applications, making them essential components in various electronic products, from smartphones and computers to automotive systems and IoT devices.

2. Design Process: The ASIC design process typically involves several stages, including specification, architecture design, logic design, circuit design, physical design, verification, and testing. Each stage requires collaboration among multidisciplinary teams of engineers, including system architects, logic designers, circuit designers, layout engineers, verification engineers, and test engineers. Advanced design tools, simulation software, and fabrication technologies are employed to facilitate the design process and ensure the accuracy and reliability of the final product.

3. Complexity and Challenges: VLSI ASIC design faces numerous challenges due to the increasing complexity of semiconductor devices, shrinking transistor sizes, higher operating frequencies, and stricter design requirements. Designers must address issues such as power consumption, signal integrity, timing closure, thermal management, manufacturability, and design for testability (DFT) while meeting performance, cost, and time-to-market constraints. Moreover, ensuring compliance with industry standards, intellectual property (IP) protection, and security considerations adds further complexity to the design process.

4. **Technological Trends:** The field of VLSI ASIC design is continually evolving in response to technological advancements and market demands. Key trends shaping the industry include the migration to advanced process nodes (e.g., 7nm, 5nm, and beyond), the adoption of new design methodologies (e.g., RTL synthesis, high-level synthesis, and system-level design), the integration of heterogeneous components (e.g., CPU, GPU, AI accelerators), the emergence of specialized design libraries and IP blocks, the proliferation of design automation tools and platforms, and the growing importance of design for manufacturability (DFM) and design for reliability (DFR) techniques.

5. Applications and Industries: VLSI ASIC design finds applications in a wide range of industries, including consumer electronics, telecommunications, automotive, healthcare, aerospace, defense, and industrial automation. From high-performance computing and artificial intelligence to wireless connectivity and sensor networks, ASICs enable innovative solutions that drive progress and competitiveness in various markets.

6. Collaboration and Ecosystem: The success of VLSI ASIC design relies on close collaboration among semiconductor companies, design service providers, foundries, EDA (Electronic Design

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Automation) vendors, IP suppliers, academia, and regulatory bodies. An ecosystem of partners and stakeholders work together to develop cutting-edge technologies, share best practices, address common challenges, and accelerate innovation in the field.

In summary, VLSI ASIC design plays a pivotal role in the development of advanced electronic systems, offering tailored solutions to meet the diverse needs of modern applications. By leveraging advanced design methodologies, technologies, and collaborative partnerships, the industry continues to push the boundaries of innovation and drive progress towards a smarter, more connected future.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


Prepare Yourself For Industry

Department of EEE, G.Pullaiah College of Engineering and Technology is organising in association with Ms.Ramya a one day webinar on "PREPARE YOURSELF FOR INDUSTRY" on 05/03/2021. Ms.Ramya is the Program Analyst Trainee DXC Technologies,Hyderabad. A total of 110 students attended in this session from IV B.Tech.






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Alumini Talk on

Prepare Yourself for Industry



**Program Analyst
Tranee, DXC
Technologies**


Miss. Ramya

5/03/2021

2 : 00 P.M.

Organized By
Department of Electrical and Electronics Engineering

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To prepare for success in any industry, it's essential to focus on a few key areas:

- 1. Continuous Learning:** Industries evolve rapidly, so it's crucial to stay updated with the latest trends, technologies, and methodologies. Dedicate time to reading industry publications, attending workshops, and pursuing relevant courses or certifications.
- 2. Networking:** Build and maintain a strong professional network within your industry. Attend conferences, join industry-specific groups or forums, and connect with professionals on platforms like LinkedIn. Networking can provide valuable insights, opportunities for collaboration, and mentorship.
- 3. Skill Development:** Identify the skills that are in demand within your industry and work on developing them. This could include technical skills related to your field, as well as soft skills such as communication, problem-solving, and adaptability.
- 4. Adaptability:** Industries are constantly changing due to factors like technological advancements, market shifts, and regulatory changes. Develop the ability to adapt quickly to new circumstances and embrace change as an opportunity for growth.
- 5. Problem-Solving:** Cultivate your problem-solving skills, as they are invaluable in navigating challenges and finding innovative solutions. Practice analyzing complex problems, breaking them down into manageable components, and exploring multiple potential solutions.
- 6. Industry Research:** Stay informed about the current state and future trends of your industry. Understanding market dynamics, consumer behavior, and competitor strategies can help you make informed decisions and stay ahead of the curve.
- 7. Professionalism:** Maintain a high level of professionalism in all your interactions within the industry. This includes being reliable, ethical, and respectful towards colleagues, clients, and stakeholders.
- 8. Personal Branding:** Build a strong personal brand that showcases your expertise and values within the industry. This could involve creating a professional website, publishing articles or blogs, and actively participating in relevant discussions online.
- 9. Entrepreneurial Mindset:** Even if you're not an entrepreneur, adopting an entrepreneurial mindset can help you identify opportunities, take initiative, and drive innovation within your industry.
- 10. Work-Life Balance:** Finally, prioritize maintaining a healthy work-life balance to prevent burnout and sustain long-term success in your industry.

By focusing on these areas, you'll be better equipped to thrive in the ever-changing landscape of your chosen industry.


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