DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(An Autonomous Institute)

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU GV)

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NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

Website: www.diet.edu.in,9963694444 E-mail: info@diet.edu.in, academics@diet.edu.in

Event Name: VASTAV 2024

Mode of conducting : Online

Date: 27 January, 2024

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

DIET Computer Society of India(CSI) organized a webinar **"**VASTAV 2024 " in the month of January,2024. This webinar was organized as a part of Computer Society of India student chapter with an objective to enhance, encourage creative thinking and innovation.

The "Vastav 2024" webinar proved to be an exceptional platform for testing and enhancing knowledge while staying abreast of the latest trends in the tech industry. The event not only offered an engaging and enjoyable experience but also served as a valuable tool for self-assessment and skill improvement.

The webinar covered a diverse range of topics within the tech industry, providing participants with insights into emerging trends and advancements. Attendees had the opportunity to test their knowledge through interactive sessions , and discussions, making it a comprehensive learning experience.

The first session was lead by Dr. Swaminathan Manikandan on the topic "Re-thinking creativity and innovation" involves exploring how the principles of ruggedization can be applied to foster creativity and innovation in various domains. Here are some topics that can be covered within this theme:

Innovative Design Thinking:
 - Integrating ruggedization principles into the design thinking process.
 - Creative problem-solving in challenging and unpredictable environments.

Adaptive Innovation Strategies:
  - Developing innovation strategies that adapt to changing and harsh conditions.
  - Case studies on companies that have successfully innovated through adaptability.

Cross-Industry Collaboration:
  - Exploring collaborations between traditionally non-rugged industries and ruggedization experts.
  - Leveraging insights and technologies from rugged sectors to spark innovation elsewhere.

  Resilient Technologies for Innovation:

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- Creating resilient and robust technologies to support innovative solutions.
- How the use of rugged materials and design can inspire breakthroughs in technology.

Human-Centered Rugged Design:
- Designing products and solutions that are both rugged and user-friendly.
- Balancing durability with accessibility and ease of use.

Environmental Sustainability and Innovation:
- Innovating for sustainability in challenging environments.
- Developing eco-friendly solutions that can withstand rugged conditions.

Innovation in Extreme Environments:
- Examples of innovation in extreme climates and challenging terrains.
- Space exploration, deep-sea exploration, and other extreme environments.

Ruggedization in the Digital Age:
- Applying ruggedization concepts to digital platforms and cybersecurity.
- Creating resilient digital infrastructure in the face of cyber threats.

Ethical Considerations in Rugged Innovation:
 - Addressing ethical implications of ruggedized technologies.
 - Ensuring responsible and sustainable innovation in rugged environments.

Market Opportunities in Rugged Innovation:
 - Identifying emerging markets and opportunities for ruggedized products and services.
 - Entrepreneurial perspectives on rugged innovation.

These topics can provide a comprehensive exploration of how ruggedization principles can inspire and drive creativity and innovation across various industries and fields.

The second session was lead by Mr.Vidyalankar Nidamarthy a webinar on the "Fundamentals of IoT and Industry Trends" and the topics covered are:

Introduction to IoT:
 - This session provides a foundational understanding of the Internet of Things, elucidating its definition and highlighting its transformative impact on diverse industries.

IoT Architecture and Components:
 - Delve into the intricacies of IoT architecture, exploring the role of sensors, actuators, and communication protocols in creating a robust and interconnected system.

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Security in IoT:
- Uncover the complexities of securing IoT ecosystems, examining prevalent challenges and offering essential insights into safeguarding against potential threats.

Data Management and Analytics:
- Gain insights into effective strategies for managing and analyzing data within the IoT landscape, crucial for deriving meaningful insights and optimizing performance.

Wireless Technologies for IoT:
- Explore a comprehensive analysis of wireless technologies such as Wi-Fi, Bluetooth, and Zigbee, essential for making informed decisions in IoT device connectivity.

Edge Computing in IoT:
- Understand the pivotal role of edge computing in IoT, exploring its benefits and implications for efficient data processing at the edge of networks.

How IoT Impacts Everyday Life:
- Uncover the seamless integration of IoT into daily routines, showcasing practical examples that illuminate its transformative influence on modern living.

Smart Home Technologies:
- Navigate the realm of smart home devices, understanding how IoT technologies enhance convenience, security, and energy efficiency within domestic environments

Voice-Activated Assistants and IoT:
- Unveil the intersection of voice-activated technologies and IoT applications, showcasing how seamless voice commands enhance user experiences in diverse settings.

These topics aim to balance the formal aspects of IoT education with topics that are engaging and relatable to a wider audience. Depending on your audience and their level of familiarity with IoT, you can adjust the depth and complexity of the content.

"Vastav 2024" emerged as an instrumental webinar, adeptly navigating industrial trends and empowering participants to thrive in the dynamic tech environment. Through informative sessions, interactive discussions, the event seamlessly blended theory with practical application. Attendees left with not only a comprehensive understanding of current industry trends but also the tools and insights needed to penetrate and succeed in their respective fields. "Vastav 2024" exemplifies the future of webinars as powerful instruments for informed professional growth in the fast-paced world of technology.

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Participants list:

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2	Malla Sharvani	21U41A4227	III	CSM & CSD
3	Ratnala Yamini sree	21U41A4239	III	CSM & CSD
4	Karri Teja	21U41A4261	III	CSM & CSD
5	Dilip Mahato	21U41A4212	III	CSM & CSD
6	Maddala Ramya	22u45a4213	III	CSM & CSD
7	Akkanaboina swaroop	21U41A4201	III	CSM & CSD
8	Buddha monica	21u41a4250	III	CSM & CSD
9	Jampani Kousikee Krishna Valli	21U41A4256	III	CSM & CSD
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12	Y.Harini	22U45A4222	III	CSM & CSD
13	Sruthi prasanna	23u45a4405	II	CSM & CSD
14	Lalam Bhavana	21u41a4223	III	CSM & CSD
15	BHEESETTY PALLAVI PARIMALA	22U45A4201	III	CSM & CSD
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27	Kamal Praneeth Srirangam	21U41A4240	III	CSM & CSD
28	Piradi Bhaskar Satya Durga Ganesh	22U45A4216	III	CSM & CSD
29	Jemima Baddi	22u41a4402	II	CSM & CSD
30	Matha jayanth Kumar	22U41A4431	II	CSM & CSD
31	M Prasanna	21u41a4254	III	CSM & CSD
32	Tejaswi	21U41A4281	III	CSM & CSD
33	Lavanya Malla	21U41A4268	III	CSM & CSD
34	Konathala pavani	21U41A4265	III	CSM & CSD
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38	SURISETTY LAKSHMAN KUMAR	22u41a4442	II	CSM & CSD
39	Majji Likhitha	21U41A4226	III	CSM & CSD
40	Patchigolla Sai Vignesh	22u41a4432	II	CSM & CSD
41	Karri Jayasree	21U41A4260	III	CSM & CSD
42	Harshitha nayak	22u41a4421	II	CSM & CSD
43	Mosuri Samhitha	22U41A05C7	II	CSE
44	Sunkari Ramya	23U45A4404	II	CSM & CSD
45	Sruthi prasanna	23u45a4405	II	CSM & CSD
46	Harshitha nayak	22u41a4421	II	CSM & CSD
47	Jemima Baddi	22u41a4402	II	CSM & CSD
48	Yeddu kusuma	21u41a05f2	III	CSE
49	Charishma Priya	22u41a4412	II	CSM & CSD
50	Yellapu Satwika	22u41a4450	II	CSM & CSD
51	P Priyanka	22U41A4449	II	CSM & CSD
52	Buddharaju Sri Sai Lakshmi Akshaya	22U41A05A7	II	CSE
53	Gummadi Rama Devi	22U41A4420	II	CSM & CSD
54	D. Durga malleswari	22U41A4414	II	CSM & CSD
55	K.Navya sri	22u41a4428	II	CSM & CSD
56	Kolaparthi Jyotshna	22U41A05C1	II	CSE
57	Yedhidi Shanti	21u41a05f3	III	CSE
58	Y Hema Suvarna	22U41A4449	II	CSM & CSD
59	S Jaya Prakash	21u41a4278	III	CSM & CSD
60	K Satya Gopal	21u41a4257	III	CSM & CSD
61	Sai polamarasetty	21U41A4237	III	CSM & CSD

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Glimpse of the event:

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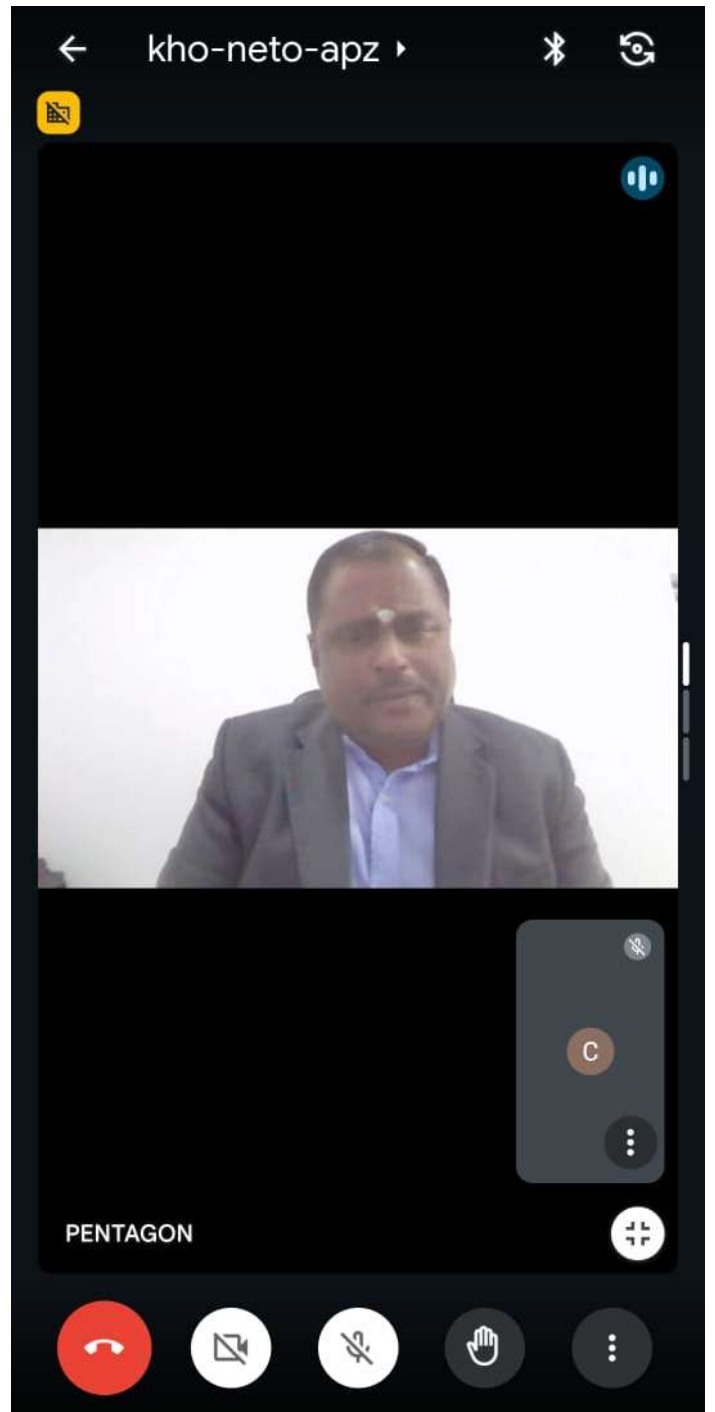(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU GV)

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Feedback:

Title of the Activity _____

Venue: _____

Participant Name: _____

Branch & Dept: _____

1. The questions are relevant to your skills   1   2   3   4   5

2. Student Need to attempt the within time   1   2   3   4   5

Suggestions: _____

CSI Co-Ordinator   **HOD**   **Principal**