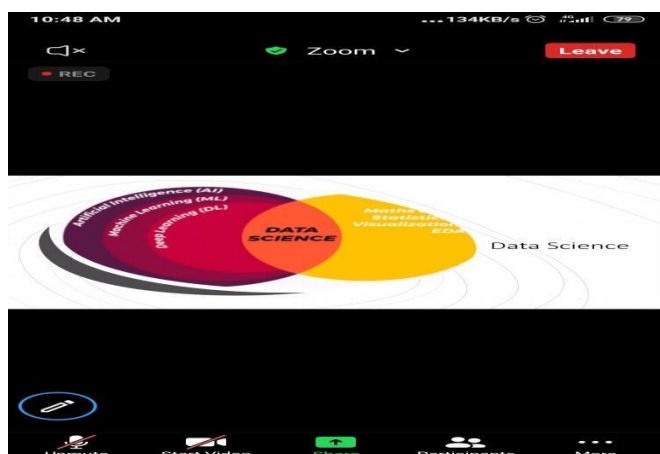**TECHNICAL NEWSLETTER**

A Webinar on "Data Science, Artificial Intelligence and Machine Learning"

A Webinar on "Data Science, Artificial Intelligence and Machine Learning" Under CSI Student Chapter was conducted on 09/01/2021. Recourse Person Dr. Mh. Daoud, Social Media Marketing Expert & Data Scientist, and Trainer from ArkSoft Developer and Digital Marketer was the resource person.

This session covers a different topic such as Key Players in the data science platform market, Data Scientist Skills, Data Scientist Education Level Real World Applications of Data Science and AI – Chatbots, OCR, Finance, Medical, Robotics, Career Opportunities in Data Science
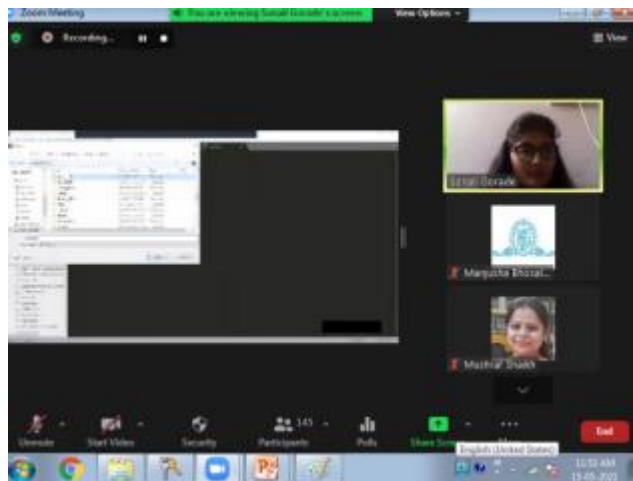

From this Webinar, students learned the basics of Data Science, Artificial Intelligence, and Machine Learning. Students have understood where these concepts/ technologies are used and why it is important to study them and Career Opportunities in Data Science.

An Expert Talk on Latest Web Technologies in PHP"

An Expert Talk on Latest Web Technologies in PHP" organized under CSI – Student Chapter. Was conducted on 15 May 2021. Mrs. Sonali Gorade CEO, of Sumago Infotech Pvt. Ltd., Nashik was the resource person.

This talk covers the following points- Writing HTML code to create a web form using various tags and styles, Design HTML Form with various controls like textbox, buttons, and labels, Adding various Bootstrap classes and validating it using PHP, Making the SQL database connectivity with the HTML form and its controls, Different forms, different classes in latest web technologies, Latest concept and new technologies that can be used with PHP, Information about bootstrap & PHP, Bootstrap function, PHP, HTML program, using bootstrap. i. Development with CSS and various technologies of PHP and Bootstrap, Framework for web and firing SQL, queries on the form.

An Expert Talk on "Digital Marketing"

An Expert Talk on "Digital Marketing" Under CSI Student Chapter was conducted on 08/12/2021. Mr .Tanmay Dixit, a Speaker of Digital Device's Security and Graphology Science. was the resource person for the session.

TECHNICAL NEWSLETTER

The session covered the following topics-What is Digital Marketing?, the Need for Digital Marketing, and How you can earn money through Digital Marketing? How to present yourself to a Digital Platform?, Examples set by Mr. Tanmay Dixit in Digital Marketing Introduction to cyber Sanskar.

After attending this session, students are now aware of Digital Marketing and its need nowadays. They have understood how to present themselves to Digital platforms and earning money through digital marketing.

An Expert Talk on "Network and CCNA Fundamentals with Wireshark"

An Expert Talk on "Network and CCNA Fundamentals with Wireshark" Under CSI Student Chapter was conducted on 30/09/2021. Mr. Akash Patil and Mr. Sachin Thete, were the resource persons.
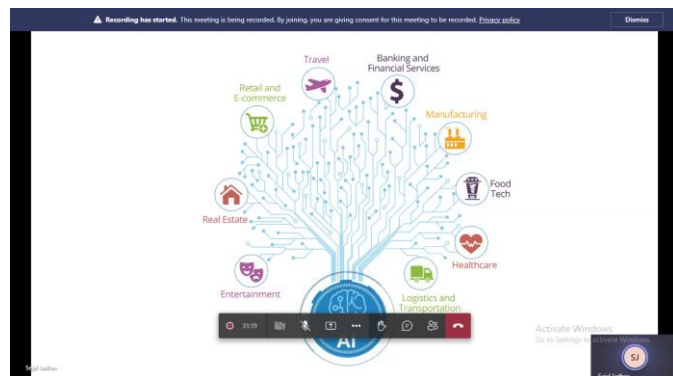

This Expert Talk has covered the following topics - What is Networking?, the Career path of networking Info. About CISCO certification CCNA, CCNP, CCIE Network-based Technologies Certification in Networking, Career in Networking Top 10 jobs in Networking What

does a network professional do? Live demonstration of Networking with CISCO Packet Tracer Tool.

From this Expert Talk, students have learned about networking, certifications in networking, what network professionals do in the company, and how to set up and test networks using CISCO Packet Tracer Tool.

An Expert Talk on "Introduction to Machine Learning and Artificial Intelligence"

An Expert Talk on "Introduction to Machine Learning and Artificial Intelligence" Under CSI Student Chapter was conducted on 09/10/2021 Ms. Sejal Jadhav, Alumni, CM-Dept. (Pass out Batch-2020) Alpha Microsoft Learn Student Ambassador, Pune Institute of Technology(PICT), Pune. Points Discussed during session-Explored the concept of Artificial Intelligence Human ingenuity with intelligent technology Classification of AI Application of AI Machine Learning, Deep Learning Cognitive service capabilities Machine Learning on Azure.

After attending the session, students are now aware of about Artificial Intelligence and Machine Learning. Job Opportunities in AI Sector, study requirement to join the AI Technology

Expert Talk on "Project Planning and Management"

Expert Talk on "Project Planning and Management" under CSI – Student Chapter was conducted on 13/10/2021. Mr. Sunil Joshi, Software Developer from R3 Systems India Pvt. Ltd., Nashik, was the resource person.

TECHNICAL NEWSLETTER

This Expert Talk has covered the following topics - How to Select and make your best Final Year Project?, the Best Programming language for your project, Basic stages of Project Management, Project Development Stages Guidelines given for writing Project Synopsis Guidelines given for Data Flow Diagram(DFD) Paper Publication Process Explained

From this Expert Talk, students have understood how to select the best final-year project. The programming language for project selection. Guidelines are given for writing the synopsis of the project and the correct way to draw DFD for a project. The paper publication process is also explained to students.

An Expert Talk on "Understanding Red Hat Linux"

An Expert Talk on "Understanding Red Hat Linux" organized under CSI – Student Chapter was conducted on 20/11/ 2021. Mr. Dushant Koche, Senior Administrator & Technical Instructor from ESDS Software Solution Ltd. Nashik was the resource person.

This session covered the following topics-the needed of studying the Linux OS What is Linux?,

the Reason to go with the RedHat OS, the Difference between CLI and GUI, Types of Linux Red Hat, CentOS, Ubuntu, Fedora, Kali, Debian, Android, Careers in Linux Platform Job profiles which require Linux skills, Roadmap for Linux Career, Start with Linux Move onto DevOps Leap to the cloud Your Future: Operating System Programming Language Networking Cloud service providers, Cloud Architect, Reasons to learn Linux Community support, High Security, High Stability Education and Support Customization, Ease of Use and Flexibility It is Free, Open Source Runs on any machine

After attending this session, students were aware of the basic concepts of Linux and various career opportunities in the Linux Platform. Also, they got the idea about why to use Linux. Students also discussed various roles in Linux career and its roadmap.

An Expert Talk on "Cyber Security & Awareness"

An Expert Talk on "Cyber Security & Awareness" in association with ACTS was conducted on 21/09/2022 for SYCM-II, III classes officers from Cyber Crime Cell, Nashik City Police.

This Activity covered the following topics– Introduction to Computer Crime The term Cyber Crime, e-Crime Introduction to Social Media App Frauds, Online Financial Frauds IPR consulting and related complaints Services of Cyber Crime Branch, Website/ Email Hacking Social Media Investigation, Cyber Stalking Debit/ Credit Card

TECHNICAL NEWSLETTER

Disputes Electronic Contracts, Financial Frauds Do & Don't while using Social Media.

From this activity students able to understand Cyber-crime related terms, and regulations. A student is also aware of Website/ Email Hacking, Debit / Credit Card issues. A student also got knowledge of what care should be taken while using credit or debit cards also while handling social media accounts.

An Educational Industrial Visit to "Technokraft Training & Solutions Pvt Ltd".

An Educational Industrial Visit to "Technokraft Training & Solutions Pvt Ltd". took place on 04/12/2021 & 05/12/2021. Mr. Jeelani Shaikh Director, Technokraft Training & Solutions Pvt Ltd . IT Training Institute was the resource person.

This visit covered the following topics-Networking Devices and their working, e.g. Switch, HUB, Routers LAN, MAN, WAN & concept of IP Various concepts of Networking, Use of various languages & their importance, Various job Profiles in which students can work. Question Answer session after a demonstration. Introduction of Linux system.

From this Industrial Visit all the Students get detail Industrial knowledge, various departments, different Computer Applications, Team Work, various network devices & their importance.

An Educational Industrial Visit to "Traffic Education Park, Nashik"

An Educational Industrial Visit to "Traffic Education Park, Nashik" was took placed on 22, 23, 24 Nov 2021. Mrs. P. P. Pawar, Driving

Instructor from Traffic Education Park Nashik was the instructor for this visit.

This visit covered the following topics- The importance of Traffic Rules, Following Traffic Rules, and being a part of this wonderful city for a long time. Spreading Awareness about Traffic Rules, the Importance of Wearing Helmet Signs, Symbols and their meaning Survey of 2018 to 2020 total accidents caused due to breaking traffic rules, Road Safety and Uses Signal Rules Live Demonstration of signaling on the prototyped road. Question Answer session regarding road safety and its awareness.

As the effect of this traffic education park visit students get motivated about their own safety while traveling on road. Students get aware about Traffic Rules and Importance of Wearing Helmet. They also promised to spread awareness regarding road safety among the people.

TECHNICAL NEWSLETTER

An Educational Industrial Visit to "ESDS Software Solution Pvt. Ltd."

An Educational Industrial Visit to ESDS Software Solution Pvt. Ltd. for SYCM-II class took place on 14/11/2022. This visit covered the following points- Types of cloud-Public Private Hybrid, Community SOC Services SOC as a Service, Security Insight Services, Security Services, Managed Services Application Development, Cross Platform Migration Database Management Backup and Recovery, Managed Colocation Smart Solutions Smart City Solutions eMagic–EMS Application Performance Monitoring Services provided by ESDS.

From this Industrial Visit all the Students get detail Industrial knowledge, different Computer Applications, various Software Information. Also students get the idea of various Services provided by ESDS to other Channels

An Industrial visit to Salunkhe Industries Ambad

An Industrial visit to Salunkhe Industries Ambad was conducted on 10/10/2022. This visit covered the following topics – Welcome by the staff of the industry, Introduction of work done by the industry, Demonstration of assembly of different panels Products Offered by Industry: AC/DC Drive Panel, APFC Panel/AMF Panel, MCC/PCC Panel, PLC Control Rio Panels, Railway Relay Services Offered by Industry, Commissioning Turnkey Projects Energy Audits Consultancy AMC (Annual Maintenance Contract), IoT Jobs offered by Industry, Design Engineer Head- Marketing /Business Development.

From this activity student learnt assembly of different panels, Student also informed the Products offered by Industry, Services offered by Industry. Student also learnt different jobs offered by industry.

A social activity titled "सामाजिक कार्य व संगणक ज्ञानप्रशिक्षण"

A social activity titled "सामाजिक कार्य व संगणक ज्ञानप्रशिक्षण" in association with ACTS was conducted on 30/09/2022 under Social Activity, Computer Literacy Campaign. This Activity covered the following topics – Welcome of faculty & student coordinators of K. K. Wagh Polytechnic by the Principal of the school, Introduction of activity by activity & ACTS coordinator, Guidelines by staff coordinators to students of the school, Distribution of stationary material to student Conduction of practicals, the demo of computer basics by student coordinators to a student of school Distribution of Rajgira Ladoo's to the student of the school.

TECHNICAL NEWSLETTER

From this activity students able to improve their skills to teach school students. The student also built their confidence to teach as well as other personality-building skills such as Stage Daring, Demonstration of topics, Handling Event, etc. Students from primary school learned use of Computer systems, parts of the computer system, web handling, online shopping, YouTube, how to use the internet.