Panipat Institute of Engineering and Technology

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Department of CSE-Cyber Security

Ref. No: PIET/CSE-CYS/ICT/2023/03   Dated:11-03-2023

NOTICE

"Git, GitHub and Azure Kubernetes services"

This is to inform all students that, the department of Computer Science and Engineering (Cyber Security) is organize a session on **"Git, GitHub and Azure Kubernetes services ".** The session is scheduled for one day i.e on. 13-3-2023. The session will start 11:00AM in (E Block, Seminar Hall). Interested student can contact the undersigned.

Sr. No.	Name	Department	Designation
1.	Dr. Vivek Dabra	CSE-CS	Coordinator.

Head of Department
HOD CSE (CYBER SECURITY)

CC:

1. All Notice Boards

Report: Session on Git, Git Hub & Azure Kubernetes Services

Speakers:-   **Mr. Shivay Lamba**
Developer Advocate @ Meilisearch Contact no - 9658475125

Ms. Nirupama Singh
Software Engineer, Reskill Contact no- 9587456987

Date- 13th March 2023

Time- 11:00am – 4:00pm

Venue-E Block Seminar Hall Ground Floor

Mode-Offline

No. of students attended- 27

Coordinator – Dr. Vivek Dabra

The Department of CSE (Cyber Security) organized a session on Azure on 13th March 2023 at E-Block Seminar Hall Ground Floor. The session started at 11:00 O'clock in the morning with the warm welcome of **Mr. Shivay Lamba and Ms. Nirupama Singh** by Dr. Vivek Dabra, coordinator of (Cyber Security). After introduction of the speaker Ms. Nirupama Singh, the objective of the azure session was also explained. Session started with the basics of Git and how to use it well. GitHub helps people to work together on projects. Main focus was on learning about containerization and Azure Kubernetes Services. Useful tips and tools were also shared to spread awareness and knowledge about Git, GitHub and Azure Kubernetes Service.

Ms. Nirupama Singh started by explaining the fundamentals of Git, the underlying technology that powers GitHub. Git is a distributed version control system that tracks changes in source code during software development. It allows multiple developers to work on a project simultaneously, merging their changes seamlessly and keeping a detailed history of modifications.

She also touched upon GitHub Pages, a feature that enables users to create and host websites directly from their GitHub repositories. This is particularly useful for project documentation and personal portfolios, allowing developers to showcase their work with minimal effort.

She suggested learning Git basics for version control, GitHub for collaboration, and getting a sneak peek into AKS for container orchestration. All AKS nodes run on Azure VMs. Both single and multiple GPU-enabled VMs are available.

Mr. Shivay lamba began by detailing the foundational aspects of Kubernetes, explaining its core concepts such as pods, deployments, and services. Due to AKS's managed service nature, developers may concentrate more on creating apps than on maintaining infrastructure because it abstracts away a large portion of the complexity associated with Kubernetes maintenance. The session also addressed AKS's usefulness in terms of cluster configuration, scaling alternatives, and integrating with Azure's service ecosystem for improved security and monitoring. Another area that dominated his talk was security. He went over best practices for managing access and protecting data with Azure Security Centre and Azure Active Directory.

Dr. Shakti Arora gave the speaker a standing ovation for inspiring and educating the students with an educational discussion about github.

Pic- Mr.Shivay lamba and Ms. Nirupama Singh With Participants Attending Session

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Attendance Sheet

Panipat Institute of Engineering & Technology
Department of CSE-CS
Session on Git, GitHub and Azure Kubernetes Services   13th March, 2023

S.no	Roll_Number	Name	Signature
1	2821525	ANJALI JAGLAN	
2	2821527	RAHUL MIDHA	
3	2821528	VIKALP SRIVASTAVA	
4	2821529	ANIL KUMAR	
5	2821531	AJAY BOORA	
6	2821533	DEEPAK	
7	2821534	SATYAM	
8	2821535	AMANDEEP	
9	2820042	NITIN SHEOKAND	
10	2820401	SHIVI TANEJA	
11	2820402	PRATHAM	
12	2820406	DEV SHARMA	
13	2820407	VAIBHAV GOYAL	
14	2820408	PULKIT NANDWANI	
15	2820410	HARSHIT	
16	2820411	CHAKSHU	
17	2820412	AMAN YADAV	
18	2820413	PRIYANKA DASH	
19	2820414	YASH	
20	2820415	MOHIT GANDHI	
21	2820417	MANOGYA SHARMA	
22	2820419	NEHA GARG	
23	2820421	SHRUTI	
24	2820424	NISHANT RANA	
25	2820425	ASMIT MISHRA	
26	2820426	SHUBHAM	
27	2820427	SACHIN	
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