Panipat Institute of Engineering and Technology

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Department of Computer Science and Engineering

Ref. No. PIET/CSE/ICT/2020/2

NOTICE

Dated: 25 May, 2020

ONLINE WORKSHOP ON "AUGMENTED REALITY"

Department of Computer Science and Engineering is organising an online workshop on **"Augmented Reality" on 29th May 2020.** Focus will be on the introduction of AR/VR and its future scope as a career. The workshop is open to all the students of CSE. The workshop will start at sharp 10 am. Platform will Microsoft Teams. Details will be shared in the groups.

Head of Department

HOD (CSE)
PIET, Samalkha

Cc:

Share in all WhatsApp Groups

Report on Augmented Reality Workshop

WHO SHOULD ATTEND?

This workshop is designed for participants who wish to fully understand the core principles and practical applications of Virtual Reality and Augmented Reality technology and How to Bring the Visual Experience using Augmented Reality technologies.

FOCUS AREAS OF WORKSHOP

- **INTRODUCTION TO VR AND AR**
  - A brief history of VR and AR
  - The titans of VR and AR explained; Oculus/Facebook, Samsung, Sony, Apple Google.

- **VR/AR PRODUCTION PROCESS**
  - Pipeline of Creating an AR/VR Application with reference to Enterprises

- **AUGMENTED REALITY**
  - Learn to Install and Integrate AR for unity3d (Vuforia) – Android Platform
  - Unity3D - tools
    - Learn to Quickly import models in AR Platform
    - 5 different Application Development for AR
    - Export the AR Experience for an Android Platform
    - Integration of AR into existing workflows
    - The Future of VR and AR

NOTE:

The Workshop is also complemented with case-studies and more specific content around the needs of the attendees

PRE- REQUISITE-

LAPTOP/ANDROID PHONE
IS REQUIRED FOR E-WORKSHOP

Students can register through:
https://forms.gle/uMZC3FL9Vj9iiQFn6

Report on Workshop

Topic of one day workshop: Workshop on Augmented Reality
Speaker: Mr. Shiraz Khurana, 9466786100
Date: 29th May, 2020
Time: 10.00 am to 5.00 pm
No. of students attended: 121
Coordinator: Dr. Anju Bhandari Gandhi, CSE

The department of Computer Science and Engineering organized an online workshop on "Augmented Reality" on May 29, 2020. The workshop aimed to introduce students to Augmented Reality (AR) and Virtual Reality (VR) highlighting their differences, roles in business, production processes, challenges and future scopes.

The workshop commenced at 10 AM on the Microsoft Teams platform. The event began with a welcoming address and honoring of the speaker, Mr. Shiraz Khurana, an expert in AR/VR technologies.

Main goal of the workshop was introduction to AR and VR and clear the difference between AR and VR. And other purposes of the workshop were:

- Role of AR and VR on Business
- AR/VR Production Process
- Learn to install AR/VR platforms
- AR/VR Challenges for Business and Technology
- Scope for AR/VR
- Future for AR/VR

Augmented reality and virtual reality are reality technologies that either enhance or replace a real-life environment with a simulated one.

- Augmented reality (AR) augments your surroundings by adding digital elements to a live view, often by using the camera on a smartphone.
- Virtual reality (VR) is a completely immersive experience that replaces a real-life environment with a simulated one.
- In AR, a virtual environment is designed to coexist with the real environment, with the goal of being informative and providing additional data about the real world, which a user can access without having to do a search. For example, industrial AR apps could offer instant troubleshooting information when a handset is aimed at a piece of failing equipment.
- Virtual reality encompasses a complete environmental simulation that replaces the user's world with an entirely virtual world. Because these virtual environments are entirely fabricated, they are often designed to be larger than life. For example, VR could let a user box with a cartoon version of Mike Tyson in a virtual boxing ring.

- While both virtual reality and augmented reality are designed to bring a simulated environment to the user, each concept is unique and involves different use cases. In addition to entertainment scenarios, augmented reality is also increasingly being used by businesses, because of its ability to generate informational overlays that add useful, real-world scenarios.

The workshop concluded with a felicitation ceremony for the speaker, Mr. Shiraz Khurana conducted by Dr. S.C. Gupta, the Head of the Department. The workshop was a resounding success, providing insights on AR/VR technologies to the students.

Pic: Screenshot during the workshop

PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Kurukshetra University, Kurukshetra)

List of Students

Roll No	Dept	Name
2818001	CSE	ALIENA JHA
2818002	CSE	SAVVY SHARMA
2818003	CSE	PRADUMAN
2818006	CSE	PANKAJ
2818007	CSE	SARTHAK DUNG
2818009	CSE	VISHAL
2818011	CSE	MOHIT JAIN
2818012	CSE	SONAM LATHER
2818013	CSE	SHIVAM KUMAR
2818015	CSE	HARSHIT JAIN
2818018	CSE	VARUN CHAWLA
2818021	CSE	CHAITANYA
2818025	CSE	CHANDAN BHARDWAJ
2818027	CSE	AMAN TYAGI
2818028	CSE	SOURAV SINGH
2818030	CSE	SHUBHAM KUMAR YADAV
2818036	CSE	PALAK CHANANA
2818037	CSE	ROHAN
2818038	CSE	SABAVATH DIVYA
2818040	CSE	HIMANSHU
2818041	CSE	SHRESTH GOEL
2818042	CSE	NIKUNJ
2818046	CSE	ANKITA
2818047	CSE	HIMANSHU BHOLA
2818048	CSE	ANMOL AGGARWAL
2818049	CSE	INDERJOT SINGH
2818050	CSE	DEEPAK JINDAL
2818051	CSE	DARSHAN GUPTA
2818053	CSE	MUDIT ARORA
2818054	CSE	AKASH SAINI
2818057	CSE	SHUBHAM GUPTA
2818060	CSE	ISHANT SHARMA
2818064	CSE	SATYAM
2818065	CSE	ANKIT
2818066	CSE	TANUJ
2818069	CSE	VAIBHAVI GAUR

2818070	CSE	ANKUSH
2818073	CSE	HARSH KUMAR
2818074	CSE	NIKHIL ANTIL
2818078	CSE	MOHIT
2818082	CSE	SHIVANSH
2818085	CSE	SHUBHAM GARG
2818089	CSE	PARTH BUDHIRAJA
2818090	CSE	AKSHAT TEWARI
2818094	CSE	ANIKET SHARMA
2818095	CSE	SHIVAM GOYAL
2818099	CSE	SATVICK
2818100	CSE	SHRIYANKSHI GUPTA
2818101	CSE	RISHABH SINGH
2818102	CSE	SHUBHANGI SHARMA
2818103	CSE	HEMANT DHAWAN
2818104	CSE	CHIRAG BAMBA
2818106	CSE	TANIYA SHARMA
2818107	CSE	ANIKET BHUTANI
2818110	CSE	VANSHIKA
2818111	CSE	PANKAJ BANSAL
2818112	CSE	VISHAL MANIK
2818113	CSE	DAKSH
2818114	CSE	MOHIT
2818116	CSE	NEHA RANA
2818117	CSE	TANISH
2818118	CSE	VICKY KUMAR JAISWAL
2818121	CSE	AAKASH GUPTA
2818122	CSE	SAHIL SHARMA
2818123	CSE	JATIN KADIAN
2818126	CSE	AKASH KUMAR PANDEY
2818129	CSE	MOHIT SHARMA
2818133	CSE	SACHIN
2818136	CSE	SAHIL KUMAR
2818139	CSE	AMAN KUMAR
2818144	CSE	HARPREET SINGH
2818147	CSE	ANAND KUMAR
2818149	CSE	ANGEL GAUR
2818150	CSE	SAHIL
2818151	CSE	MOHIT
2818152	CSE	ANJALI GARG
2818153	CSE	AMOD KUMAR
2818155	CSE	MOHIT SINGLA
2818156	CSE	CHETAINYA MANCHANDA
2818157	CSE	JAYA GARG

2818158	CSE	DEV THAKRAL
2818159	CSE	PRINCE
2818160	CSE	RITISH MADAN
2818161	CSE	ROBIN BHUTANI
2818164	CSE	SANYAM JAIN
2818166	CSE	ANUP KUMAR MISHRA
2818168	CSE	SHUBHAM SACHDEVA
2818172	CSE	ANKIT GUPTA
2818173	CSE	ZUBAIR AHMAD MIR
2818174	CSE	ANIKET
2818175	CSE	ISHITA
2818176	CSE	DEV
2818178	CSE	HARSHIT DHASMANA
2818179	CSE	SAHAB SINGH
2818180	CSE	ANJALI TYAGI
2818182	CSE	AJAY SACHDEVA
2818184	CSE	HITESH KHATTER
2818192	CSE	BHAVUK TOMAR
2818193	CSE	SARTHAK KAUSHIK
2818194	CSE	SHUBHAM GARG
2818195	CSE	SUMAN SAPKOTA
2818196	CSE	VAIDANT
2818200	CSE	ONSHI GOYAL
2818206	CSE	RISHI RAJ
2818207	CSE	ROSHAN KUMAR SAH
2818212	CSE	VANSHIKA
2818213	CSE	SIMRAN
2818214	CSE	HARSH
2818219	CSE	GURNOOR KAUR
2818287	CSE	SAURABH KUMAR SINGH
2818296	CSE	SHUBHAM JASWAL
2818303	CSE	AARYA MOKTAN
2818481	CSE	PREM SHANKAR KUMAR
2819902	CSE	NAMAN GOEL
2819908	CSE	SANJAY
2819909	CSE	AKSH RAWAL
2819910	CSE	SHUBHAM VASHISHT
2819914	CSE	HARSHIT JAIN
2819915	CSE	VARUN DEV
2918001	CSE	GURPREET KAUR
2918003	CSE	VISHAL