



Sri
SAIRAM
COLLEGE OF ENGINEERING
Anekal, Bengaluru

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Report

Industrial Training and Internship on “AR/VR USING UNREAL ENGINE”

at

Monolith Technologies, Chennai.

Organized by

Department of Information Technology, Sri Sairam Engineering College, Chennai

A five days internship training and internship on “AR/VR USING UNREAL ENGINE” at Monolith Technologies Chennai was organized the department of Information Technology by Sri Sairam Engineering College from 27th May to 31st May 2024. The five days internship training and internship aimed to provide opportunities to faculty members and research scholars to enrich their teaching skill and research in the field of AR/VR USING UNREAL ENGINE. The Training also intends to develop the knowledge of participants with respect to using high end computer systems configured to execute simulation graphics, gaming, advanced designing for interior decorations using modern tools such as EPIC GAMES, Unreal Engine as well as Unity Engine with advanced software in the relevant field for inculcating learning values in students for guiding and monitoring their progress.

The workshop was attended by 22 faculties of our Sairam Institutions (Sri Sairam Engineering College Chennai, Sri Sairam Institute of Technology Chennai and Sri Sairam College of Engineering Bengaluru).

Two Faculties of Prof.Martin Joel Rathnam from the department of Electronics and Communication Engineering and Prof.Nithya Kalyani T from the department of Computer Science and Engineering , Sri Sairam College of Engineering Bengaluru, attended this five days internship training and internship programme on “AR/VR USING UNREAL ENGINE” at Monolith Technologies Chennai.



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INAUGURAL SESSION:



The esteemed personalities present on the inauguration of the programme were trainer Mr.Ranjith from Monolith Technologies along with the organizers Mrs.V K G Kalaiselvi, Dr.R.Rajanna and Mrs.B.Kamala.

TECHNICAL SESSIONS:

1st Day (27/05/2024) Session I:

An Introduction to the awareness of the need for AR/VR using unreal engine was briefed and explained to us. The trainer also explained to us about the configuration essentialities of the computer system requirements and the graphics used in the AR/VR technology.

The trainer allocated individual systems to all of the 22 Sairam Institution faculties.

The session was then started by opening the unreal engine software and introduction upon how to use the software was given to us.

An open space setting was initial selected when 3D Graphics images, objects such as planes, cubes and spheres could be seen as well as we could mount them inside the location too.

This session was completely informative with us coming to know how to use, locate and search random objects, add new objects as well as configure their position etc.

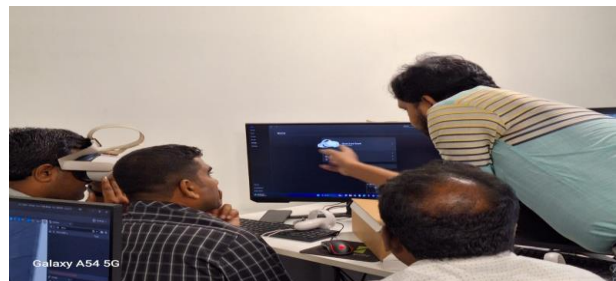
2nd Day (28/05/2024) Session II:

Once these objects such as planes, cubes and spheres were designed, planar co-ordinates were given and png images were inserted on the surface of walls as well as wall facing was implemented to show the edges in a more effective manner.

This session was completely informative with us coming to know how to use, insert graphical images etc.

3rd Day (29/05/2024) Session III:

In this session the VR was completely designed by us and we could have the sensation of seeing the entire construction we did since the last two days and we were able to have a personalized view of the workplace in a completely new orientation using most advanced gadgets. We were also given a hands on experience of using VR.





4th Day (30/05/2024) Session IV:



We were given a complete training on how to implement the 3D objects, animations over the surface we had created during these days. Unity Engine was also introduced and we were briefed about how to operate the same on this platform.

5th Day (31/05/2024) Session V:

A complete hands on training on AR / VR using unreal Engine was successfully completed and certificates were distributed.





Group Photo:



OUTCOME:

All the sessions were very much informative. We were enlightened with the most widely used advance technologies in this domain. This in turn will help in research activity.

Overall it was a wonderful experience, we take this opportunity to thank we are very much thankful to our beloved founder chairman MJF.Lion Leo Muthu, our CEO Sri Sai Prakash Leo Muthu and to our Management Representative Dr.R.Arunkumar for their kind encouragement. We express our kind thanks to Dr.B.Shadaksharappa, Principal, Sri Sairam College of Engineering, Bengaluru for his continuous encouragement and support. Our heartfelt thanks to our HoD's Dr.Poonguzhali A, HOD Department of ECE and Dr.Smitha J A Department of CSE.

Attended By:

1. Prof. Martin Joel Rathnam , AP/ECE

- *MJR*

2. Prof. Nithya Kalyani , AP/CSE

- *NK*

[Signature]
4/6/24
4/6/24
HOD

[Signature]
04/06/2024
Principal