

## (AUTONOMOUS) DEPARTMENT OF INFORMATION TECHNOLOGY

PEC/CIRCULAR/2025 Date: 14-02-2025

### **CIRCULAR**

It is hereby informed to all the students that "GAMING CLUB" of "Department of Information Technology" is conducting an online event on "GAMING AND CLOUD TECHNOLOGIES" On 22-02-2025. Interested students are informed to register their names and participate in the event.

**Faculty Coordinator**:

HOD - IT

D.Kondababu – Assistant Professor (Department of IT)

#### **Student Coordinators**:

B. Sri Vishnu(22A31A1237)M. Rama Suresh(23A35A1203)



## (AUTONOMOUS) DEPARTMENT OF INFORMATION TECHNOLOGY

#### **GAMING CLUB**

**DATE**: 22-02-2025 **MODE**: ONLINE

**TIME**: 11:00 A.M TO 12:00 P.M

#### Here is the official poster of our Event:



#### **FACULTY CO-ORDINATOR:**

Mr.D.Konda Babu (Asst. professor, IT Department)

#### STUDENT CO-ORDINATORS:

B.Sri Vishnu (3<sup>rd</sup> year IT)

M. Rama Suresh (3<sup>rd</sup> year IT)



## (AUTONOMOUS) DEPARTMENT OF INFORMATION TECHNOLOGY

#### **REGISTRATIONS**:

Students Registered for event on "GAMING AND CLOUD TECHNOLOGIES"

S.NO	Name:	Roll No:	Email:	Branch:	Year:
1	Nikhitha Chandra kala	23A31A4603	23A31A4603 nikhithachandrakala2@gmail.com		2
2	Vinay	23a31a4651	vinaykrishna220@gmail.com	IT	2
3	B.Surya Nageswara Rao	22A31A1238	suryabonda42@gmail.com	IT	3
4	BATHULA LAKSHMI	24LECON4602	veeralakshmib89@gmail.com	CSE(CS)	3
5	M PAVITHRA	23A35A1202	pavithra112004@gmail.com	IT	3
6	A V Satyanarayana	23A31A4624	purnith662a@gmail.com	CSE(CS)	2
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13	BODDU SRI VISHNU	22A31A1237	7 boddusrivishnu1234@gmail.com		3
14	Keerthi Meghana	23A31A4616	keerthimeghana01@gmail.com	CSE(CS)	2
15	Y.N.Mounika	24LECO4601	4601 mounikan237@gmail.com		2
16	VEMPATI VIJAY KUMAR REDDY	22A31A1264	vempativijay437@gmail.com	IT	3
17	ODURI KODANDA NAGA SURYA PRAKASH	22A31A1254	254 suryaoduri54@gmail.com IT		3
18	Revathi Gundarapu	23A31A1209	revathig3527@gmail.com	IT	3
19	GANAPATHIRAJU RAMA SRI DEVI	22A31A1206	ramasridevi2110@gmail.com	IT	
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### **DEPARTMENT OF INFORMATION TECHNOLOGY**

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32	D.Gopichand	23A31A4637	mahigopi177@gmail.com	IT	3
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#### **ATTENDENCE:**

We later posted the event link at the time of commencement that we've informed the responses and scores are as follows;

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## (AUTONOMOUS) DEPARTMENT OF INFORMATION TECHNOLOGY

#### **SCREENSHOTS/SESSION PICTURES:**



## Gaming and the Cloud: A New Frontier

Cloud gaming is transforming how we experience video games. It allows users to stream games on various devices. The industry is experiencing rapid growth and innovation. This presentation will explore its potential.



### Benefits of Cloud Gaming

- 1 Accessibility
  Play on any device with an internet connection.
- No Hardware
  No need for expensive consoles or PCs.
- 3 Instant Access
  Stream games instantly, no downloads needed.
- 4 Cross-Platform

  Play with friends on different devices.



### Challenges and Limitations



Latency impacts gameplay. Solutions include edge computing.



High-speed internet is necessary. 25-35 Mbps is recommended.



Streaming consumes data. Services may have data caps.



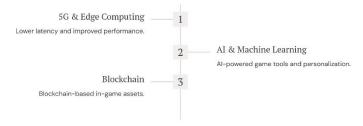
Game availability varies by platform.



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#### The Future of Gaming in the Cloud





## Conclusion: Embracing the Cloud Gaming Revolution

Cloud gaming offers many benefits and faces challenges. Explore its possibilities and consider its impact. It will shape the industry.



## (AUTONOMOUS) DEPARTMENT OF INFORMATION TECHNOLOGY

#### **REPORT**:

On 22-02-2025, The "Gaming Club" of Department of Information Technology have Organized a "GAMING AND CLOUD TECHNOLOGIES"

This event is conducted to create awareness among students about complete detail about gaming and it's career. And also awareness on career as Game developer in the market.

The Resource Persons of this Event are:

- 1. V.Sameera (3<sup>rd</sup> year IT)
- 2. R.Sri Ram (3<sup>rd</sup> year IT)

Faculty Coordinator;

1. D. Konda Babu (Assistant Professor- Department of IT)

Students from all the branches have attended the session and joined into the Gaming Club. Also the students from other colleges are joined the session and want to be part of Gaming Club Community.

Number of Registations: **58** Number of Attendes: **46** 

Number of Telegram Group Members: **220** Number of WhatsApp Group Members: **333** Number of Instagram page Members: **82** 

At last, The event completed Successfully by giving an complete and informative session to students.



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#### **THEME OF THE EVENT:**

We conduct a event based on gaming career. Let's delve into a detailed explanation of this topic for students who have interest in gaming.

Detailed Overview: Comprehensive Overview about "GAMING AND CLOUD TECHNOLOGIES".

#### **Overview:**

The event covered how cloud services enhance gaming performance, facilitate multiplayer experiences, enable seamless updates, and offer scalable game development environments. Through **technical sessions, discussions, and interactive presentations**, participants gained valuable insights into how cloud technologies are reshaping the gaming landscape.

#### Theme:

#### "Cloud-Powered Gaming - Transforming the Future of Entertainment"

This theme highlights the fusion of gaming technologies with cloud platforms to create innovative, accessible, and immersive experiences for gamers worldwide. The event focused on how cloud infrastructure enables cross-platform gaming, low-latency streaming, and the development of large-scale multiplayer environments.

A major highlight of the event was the detailed walkthrough of **cloud gaming platforms**. Participants were introduced to popular platforms like:

- Google Stadia
- NVIDIA GeForce Now
- Xbox Cloud Gaming
- PlayStation Now

These platforms allow gamers to stream games directly without the need for expensive consoles or PCs. The session covered how multiplayer game sessions are hosted on cloud servers, enabling:

- Real-time communication between players globally.
- Automatic player data synchronization across devices.
- Cross-platform play, connecting console, PC, and mobile players in the same game environment.

The next important topic was **Game Development using Cloud Infrastructure**. Modern game studios heavily rely on:

- AWS (Amazon Web Services)
- Microsoft Azure
- Google Cloud

The event explained how these platforms provide:

- Remote collaboration tools for distributed development teams.
- Scalable infrastructure for game testing and deployment.
- Tools to seamlessly push updates to players across the globe.
- Cost optimization by scaling resources based on demand.



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#### **Security and Privacy in Cloud Gaming**

A dedicated segment was presented on the security challenges in cloud gaming, where the following aspects were discussed:

- Data Privacy Ensuring player data is encrypted and protected.
- Anti-cheat Mechanisms Detecting unfair gameplay using AI monitoring.
- Intellectual Property (IP) Protection Safeguarding game assets and source code hosted on cloud servers.

#### **Role of Streaming Platforms in Gaming**

The session also covered Cloud-based Game Streaming, focusing on platforms like:

- Twitch
- YouTube Gaming

These platforms rely on cloud infrastructure to deliver:

- High-resolution live streams to global audiences.
- Real-time chat interaction between streamers and viewers.
- Automatic video archiving and highlights generation using cloud storage and AI.

#### **Future Trends in Cloud Gaming**

The event concluded with a futuristic outlook on what's next for gaming and cloud technologies, including:

- Artificial Intelligence (AI) in gaming AI-driven game balancing, procedural content generation, and smarter NPCs.
- 5G Networks Ultra-low latency gaming experiences powered by 5G combined with cloud infrastructure.
- Metaverse Gaming Cloud-powered immersive virtual worlds where players can interact, socialize, and create content in real-time.

#### **Conclusion:**

This event provided participants with technical knowledge, real-world examples, and future career opportunities at the intersection of gaming and cloud technologies. It emphasized how cloud computing is no longer just a backend technology but a core driver of the modern gaming ecosystem.

#### **Resource Persons:**

- T. Samyuktha (3<sup>rd</sup> year IT)
   D. Tirumala Devi (3<sup>rd</sup> year IT)
- 3. U. Naveen Satya Sai (3<sup>rd</sup> year IT)



## (AUTONOMOUS) DEPARTMENT OF INFORMATION TECHNOLOGY

#### **Feed Back Report:**

List of students given the feedback:

S.NO	Name:	Roll No:	Email:	Branch:	Rate the Session:	
:						
1	M PAVITHRA	23A35A1202	pavithra112004@gmail.com	IT	Excellent	
2	A V Satyanarayana	23A31A4624	purnith662a@gmail.com	CSE(CS)	Excellent	
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### **Feedback Summary:**

Feedback	Number of Persons
Excellent	30
Good	13
Average	2
Bad	0



## (AUTONOMOUS) DEPARTMENT OF INFORMATION TECHNOLOGY

# PRAGATI ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF INFORMATION TECHNOLOGY

