

**A Technical Seminar Report**

**On**

**HydroGuard: Revolutionizing Dam Safety through IoT**

*Submitted in partial fulfillment for the requirements of*

**BACHELOR OF ENGINEERING**

*in*

**COMPUTER SCIENCE AND ENGINEERING (AI&ML)**

*By*

**Mohammad Shireen-160120748303**



*Submitted to*

**Department of Artificial Intelligence and  
Machine Learning**

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)**

**(Affiliated to Osmania University, Hyderabad)**

**Hyderabad, Telangana(INDIA)-500075**

**Website: [www.cbit.ac.in](http://www.cbit.ac.in)**

**2023-2024**



**CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY**

An Autonomous Institute | Affiliated to Osmania University  
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075. [www.cbti.ac.in](http://www.cbti.ac.in)



COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

**45**  
years

## CERTIFICATE

*Certified that seminar work entitled “**HydroGuard: Revolutionizing Dam Safety through IoT**” is a bonafide work carried out in the seventh semester by “**Mohammad Shireen (160120748303)**” in partial fulfillment for the award of Bachelor of Engineering in Computer Science with AI&ML from Chaitanya Bharathi Institute of Technology(A), Gandipet during the academic year 2023-2024.*

**SIGNATURE:**

## INDEX

S. No.	Contents	Page No.
	Abstract	1
1	Introduction	2
2	Literature Survey	3
3	Methodology	4
4	Proposed System	7
5	Conclusion	8
	References	9