Byte Hunt IoT Event Report

Event Overview
Event Name: Byte Hunt IoT
Location: MA107, Marwadi University
Date: 14/03/2024
Team Size: 2-3 members per team
Duration: Approximately 6 hours (2–2.5 hours for sensor hunt + 3 hours for project development)

Objective

The Byte Hunt IoT Trail event aimed to foster problem-solving, teamwork, and innovation by challenging participants to locate IoT sensors and use them creatively to develop a functional project.

Outcome:

PO1 (Engineering Knowledge): Participants apply fundamental concepts of IoT, networking, and embedded systems to develop and understand IoT-based solutions.

PO2 (Problem Analysis): The activity involves analyzing real-world challenges in IoT applications and identifying efficient solutions for connectivity, security, and automation.

PO6 (The Engineer and Society): Byte Hunt IoT highlights the impact of IoT on society, focusing on smart solutions for healthcare, smart cities, and environmental sustainability.

PO9 (Individual and Teamwork): Participants collaborate in teams to solve IoT challenges, promoting teamwork, leadership, and knowledge sharing.

PO10 (Communication): The event enhances participants' ability to explain technical IoT concepts, document their findings, and present innovative solutions effectively.

PO12 (Life-long Learning): With the rapidly evolving field of IoT, the activity fosters continuous learning and encourages participants to stay updated with the latest technological advancements.

PSO1: The activity enables graduates to identify and solve real-world industry problems in IoT, embedded systems, and communication technologies, equipping them with practical

skills relevant to modern

technological advancements.

Event Structure

Phase 1: Sensor Hunt

Sensors were strategically placed in various locations, including classrooms and labs on the 1st and 2nd floors of the [specific building name].

Teams were provided with riddles or clues that led them to the locations of the

sensors.

Each solved clue revealed the location of the next sensor.

Teams had a time limit of 2 to 2.5 hours to locate and collect as many sensors as

possible.

Phase 2: Project Development

After the sensor hunt, teams used the collected sensors to create an IoT project.

Teams could use any development board of their choice (e.g., Arduino, Raspberry

Pi, ESP32).

Participants had 3 hours to ideate, design, and implement their projects.

Judging and evaluation

A guest panel evaluated the projects based on criteria such as innovation,

functionality, teamwork, and presentation.

The top 3 teams were awarded prizes.

Event Flow

- Introduction (30 minutes):
- Welcome speech by event organizers.
- Explanation of event rules and structure.
- Distribution of initial clues to teams.
- Sensor Hunt (2–2.5 hours):
- Teams explored designated areas to locate sensors.
- Event coordinators monitored progress and provided assistance if necessary.
- Project Development (3 hours):
- Teams worked collaboratively to create IoT projects using the sensors.
- Organizers provided technical support and ensured a smooth workflow.
- Judging and Presentation (1 hour):
- Teams presented their projects to the guest panel.
- Judges interacted with teams, asking questions about the project concept and
- implementation.
- Winners were announced based on judging criteria.

Highlights

Attendees

Gr.no	Enrolment No.	Name of participants
120715	92301733009	SYLEIDE MARGARIDA ATANASIO MUNEQUELE
121771	92301733029	BHARGAV MAHESHBHAI LIMBANI
122820	92301733057	PAYAL MAKWANA
120691	92301733004	DUCLAS ARGENTINA FRANCISCO MATSINHE
122428	92301733045	HITARTHI MANOJBHAI PANSURIYA
122352	92301733065	LORDWIN JOSEPH
120717	92301733012	ADELAIDE FELICIANO LAMPIAO MIGUEL
122265	92301733040	MAYUR DILIPBHAI KHANDLA
122710	92301733053	ROHAN PRAVINBHAI MAKWANA
120713	92301733008	YURICA SILVANA DE ASSIS CAETANO
122354	92301733042	ANSH VIPUL RAYTHATHA
123464	92301733072	CHAN EVAN WESLEY
120692	92301733003	ALBEIJA BERNADETE LOLA LAISSANE
122806	92301733068	EPARI SAI PRASHANTH
122580	92301733050	JYOTINDRASINH PARMAR
123042	92301733063	ANGEL OZA
120865	92301733020	ARMANDO NELVIO MOIANE
122405	92301733043	BHAVIN PANKAJBHAI MUCHHALA

120680	92301733002	DINESH KAMLESH KEVALRAMANI
123014	92301733060	KRUSHANG KAMLESHBHAI SAVALIYA
122441	92301733062	ADITYA RAJ
120914	92301733022	OM CHANDULAL MAKADIYA
123043	92301733064	KATHAN KAMLESH KANSAGARA
122731	92301733054	NIKHILKUMAR JAYESHBHAI BHANDERI
120815	92301733016	ASHUTOSH KUMAR SINGH

Feedback