

# **NRI INSTITUTE OF INFORMATION SCIENCE AND TECHNOLOGY BHOPAL**

Department of Computer Science and Engineering

## **Reoprt on Project Exhibition 2K24**

Date : 28 Feburay 2024

Venue : Porch, Ground Floor, **NRI Institute of Information Science and Technology-Bhopal**

### **Introduction:**

The Engineering Project Exhibition held at NRI Institute of Information Science and Technology, Bhopal, showcased the innovative projects developed by students. The event aimed to provide a platform for students to exhibit their technical skills, creativity, and problem-solving abilities.

### **Event Highlights:**

The exhibition featured a diverse range of projects across various engineering disciplines, including computer science, electronics, mechanical, and civil engineering. Each project was meticulously designed and executed by students under the guidance of faculty mentors. The event was attended by students, faculty members, industry professionals, and enthusiasts from the local community.

### **Projects Displayed by CSE :**

#### **1. Coomunity Meeting Classroom:**

Step into our dynamic online community classroom, where learning knows no bounds! Here, you'll connect with learners globally, share ideas, and explore diverse perspectives. Engage in discussions, collaborate on projects, and enrich your knowledge in a supportive and interactive environment. Let's embark on this educational journey together.

**Guided by:** Prof Anurag Shrivastava

#### **Team Member :**

Garima Deshmukh ( 0115CS201035 )

Nitesh Nagar ( 0115CS201070 )

Ram Tailor ( 0115CS201084 )

Sachin ( 0115CS201091 )

## **2. Nexus The AI Chatbot**

Nexus is designed to assist you with information retrieval from college websites, offering a seamless interaction experience. Whether you're seeking details about courses, faculty, or general information from college websites, Nexus is here to provide you with concise and relevant answers.

**Guided By:** Prof. Vaibhav Patel

### **Team Members:**

Satvik Dubey 0115CS211097

Kanhaiya Jee 0115CS211047

Nikhil Pandey 0115CS211071

Gagan Gupta 0115CS211029

## **3. Youtube transcript summarizer**

The YouTube Transcript Summarizer project leverages advanced natural language processing to condense lengthy video transcripts into concise summaries. By extracting key phrases and contextually relevant information, it offers users quick insights into video content. Utilizing machine learning algorithms, it continuously refines its summarization capabilities, providing increasingly accurate and informative summaries over time. With its ability to save time and enhance comprehension, the project aims to revolutionize the way users engage with video content on YouTube.

**Guided By:** Prof. Vaibhav Patel

### **Team Members:**

Prashant Anand (0115CS201077)

Rohit Gupta (0115CS201089)

Vijay Pandey (0115CS201116)

## **4. TG Monitoring**

The Teacher Guardian Monitoring System is a cutting-edge tool tailored for educational institutions to oversee student progress and well-being. Through advanced data analytics, it offers insights into academic performance, attendance, and behavior patterns. By fostering collaboration between teachers, parents, and administrators, it aims to create a supportive environment for student success.

**Guided By :** Prof. Nitesh Gupta

### **Team Members:**

Aditya Bhagat ( 0115CS201001 )

Devendra Nagar ( 0115CS201031 )

Gajendra Patel ( 0115CS201034 )

## **5. Develop a web application for students practice for placement**

The web application for student placement practice offers a dynamic platform where students can hone their skills through interactive exercises and simulated assessments. By providing targeted preparation materials and real-time feedback, it empowers students to excel in their placement endeavors

**Guided By :** Prof. Nitesh Gupta

### **Team Members :**

Swati Pipariya ( 0115CS201109 )

Gouraw Singh Thakur ( 0115CS201039 )

Shruti Chourasia ( 0115CS201100 )

Shivani Rajput ( 0115CS201097 )

Naina Kushwaha ( 0115CS201061 )

## **6. Chatbot Using NLP**

The Chatbot Using NLP harnesses the power of Natural Language Processing to engage users in intelligent conversations. By understanding and interpreting human language, it offers personalized assistance and efficient solutions across various domains

**Guided By:** Prof. Vaibhav Patel

### **Team Members:**

Amir Ansari ( 0115CS201013 )

Ravi kumar sahu ( 0115CS201086 )

Rohit kumar ( 0115CS201090 )

Ramji jaiswal ( 0115CS201085 )

## **7. IoT based water quality monitoring system**

Aquacheck is a pioneering project aimed at assessing water quality using sensor technology, ensuring accurate and timely monitoring of various water sources. By leveraging sensors, it provides valuable insights into water conditions, facilitating prompt interventions for maintaining environmental health and safety.

**Guided By:** Prof. Santosh Nagar

### **Team Members:**

0115cs211036 Harsh pawar

0115cs211009 Aditya yadav

0115cs211093 Aamar hirau

0115cs211021 Balram suryavanshi

0115cs211119 Urvi amuley

### Judging and Awards:

A panel of judges comprising Honorable Chairman NRI Group Bhopal, Industry experts and faculty members evaluated the projects based on criteria such as innovation, technical complexity, practicality, and presentation. Awards were presented to the winning teams in various categories, recognizing their outstanding achievements and contributions. The detail about the winner are as follow as :

1 <sup>st</sup> Prize	<b>Coomunity Meeting Classroom:</b>
2 <sup>nd</sup> Prize	<b>Nexus The AI Chatbot</b>

### Conclusion:

The Project Exhibition at NRI Institute of Information Science and Technology, Bhopal, served as a platform for students to demonstrate their ingenuity and technical prowess. The event not only showcased innovative solutions to real-world problems but also fostered a spirit of collaboration, creativity, and entrepreneurship among the participants. Such initiatives play a crucial role in nurturing the next generation of engineers and innovators, empowering them to make meaningful contributions to society and industry.

**NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY, BHOPAL**

**24**  
Glorious Years of Academic Excellence

**PROJECT EXHIBITION 2K24**  
on  
**28<sup>th</sup> February 2024 10:00 am onwards**  
Venue: NIIST Porch

CSE ME  
AIML CE  
EC MCA  
EX IT

Drone Exhibition Special Activity

Organized by **NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY**  
Sajjan Singh Nagar, Opp. Patel Nagar, Raisen Road, Bhopal, Ph: 0755 4085500,  
Website: [www.nrigroupindia.com](http://www.nrigroupindia.com)