Achievement of Army Public School Janglot at Navyug 2024-25

We are proud to share that **Army Public School Janglot** has achieved an outstanding milestone by securing **1st position in Category 1 (Class VI & VII)** at the prestigious **Navyug 2024-25**, an Inter APS AI Hackathon organized by the **Army Institute of Technology, Pune**.

This achievement stands as a testament to the unwavering dedication and hard work of our students, faculty, and school leadership. **Dr. Vishakha Sharma**, Principal of Army Public School Janglot, played a pivotal role by providing continuous support and ensuring that all requirements were met to enable the students and their Teacher Incharge, **Mr. Sandeep Dhadwal**, to excel in the competition.

Preparation and Selection Process:
To ensure the best representation, Mr. Sandeep Dhadwal organized a rigorous selection process within the school. Over **50+ students** participated in a **quiz competition** focusing on mental ability, critical thinking, mental math, and logical reasoning. From this, **12 students** were shortlisted based on their top performance for participation in the **Phase 1 of Navyug – Inter APS AI Hackathon**.

In **Phase 1**, four teams of three students each (two teams from Class VI-VII and two from Class VIII-IX) participated in an online quiz. Mr. Dhadwal ensured discipline and genuine participation throughout this round. One team from Class VI-VII emerged victorious, qualifying for **Round 2**.

Round 2 – Project Development:
In Round 2, the selected students worked as a team to address real-world problems across six

domains: Defence, Healthcare, Game Development, Environment, Cybersecurity, and Education. Under the guidance and motivation of Mr. Sandeep Dhadwal, the students chose the topic **Cybersecurity** and developed an innovative solution titled **"Cyber Security Toolkit."**

About the Cyber Security Toolkit:
The toolkit, programmed entirely by the students using Python, features:

1. **Network Scanner**
2. **Phishing Detector**
3. **Cybersecurity News**

The graphical user interface (GUI) was created using **PyQt5**, while tools such as **Scapy, Requests, and BeautifulSoup (bs4)** were used to implement the various modules. This toolkit is a practical solution for protecting online identities and showcases the students' originality and technical skills.

The students who developed this remarkable project are:

- **Vivaan Rao** (Class VII)
- **Aarush Sharma** (Class VII)
- **Bhagyajeet Kour** (Class VI)

Mr. Sandeep Dhadwal coordinated closely with the organizers, including the student coordinators from AIT Pune, arranging online meetings to ensure smooth communication and progress tracking. His guidance, combined with the hard work and enthusiasm of the students, made this achievement possible.

We celebrate this success and commend the efforts of our students, teacher in charge, and school leadership for bringing pride to **Army Public School Janglot**.

#PrideOfAPSJanglot #Navyug2024 #Innovation #Teamwork #Cybersecurity #Excellence