

## **RC Yala's Initiatives in Introducing Coding and Robotics Curriculum in Public Schools**

### **District Grant 2025**

Recognizing the growing importance of Information and Communication Technology (ICT), Artificial Intelligence (AI), coding, and robotics in preparing future-ready human capital, Rotary Club of Yala initiated a program in January 2024 to introduce coding and robotics education in public schools. The initiative aims to foster digital literacy, creativity, critical thinking, problem-solving skills, and innovation among students, while helping bridge the digital divide between private and public schools.

With a focus on creating equitable access to modern technological education, the program was first launched in public schools within Godawari Municipality, Lalitpur, and was later expanded to additional schools in the adjoining Godawari and Mahalaxmi municipalities.

Along with the Club's own initiative on coding and robotics education, RC Yala secured a District Grant in May 2025 to expand and strengthen the implementation of coding and robotics courses in public schools. The grant support enabled the Club to reach more schools and students, further promoting digital literacy, innovation, and technology-based learning opportunities in the public schools.

Under this District Grant project, some 360 middle school students from six public schools in Lalitpur district were imparted with skills and knowledge on fundamentals of coding and robotics through a boot camp of 12 sessions each, enabling them to gain hand-on experience and develop practical projects addressing needs in daily life.

The participating schools were Bajra Barahi HS, Chapagaon, Buddha HS, Badegaon and Padam Prakash HS, Dhapakhel, Bani Bilas HS, Pyangaon, Mahendra Adarsh HS, Imadol and Siddhi Mangal HS, Siddhipur.

Six projects each on coding and robotics were designed and prepared in each school through interactive and fully participatory sessions. Prepared projects were exhibited by two schools (Bajra Barahi and Buddha) in a science exhibition held at Kitini school in December 2025, while other four schools are organizing exhibitions in their respective schools in the coming month to showcase those projects to all stakeholders, as they have just started their academic year and looking for a right slot to organize such event synchronizing with the school calendar.

As a result of this initiative, those young students from six public schools in Lalitpur district benefited from exposure to this modern day digital skills, and were inspired to further pursue such market ready skills through more such opportunities, who belong mostly from marginalized communities. The project also helped gain attention of the local municipalities on the importance of integrating such courses in the public schools, which are not only valuable in STEM (Science, Technology, Engineering and Mathematics) fields but also applicable across various disciplines towards cultivating well-rounded individuals capable of tackling real-world challenges.



# Bani Bilash- Exhibition

