





## **LEARN, CREATE & INNOVATE!**

**AN INTERACTIVE PROGRAM DESIGNED FOR KIDS (8-18) TO EXPLORE ARTIFICIAL INTELLIGENCE, CODING, AND REAL-WORLD AI APPLICATIONS.**

**THROUGH HANDS-ON PROJECTS, STUDENTS WILL BUILD AI CHATBOTS, GAMES, STORY GENERATORS, AND IMAGE CLASSIFIERS USING SCRATCH, PYTHON, AND AI TOOLS.**



# PROGRAM OVERVIEW

**DURATION:** 45 DAYS

**TARGET AGE GROUP:** 8-18 YEARS

**MODE:** ONLINE

**OUTCOME:** AI CERTIFICATE UPON COMPLETION





## **WEEK 1-2: INTRODUCTION TO AI & BASICS OF CODING**

**LEARN AI FUNDAMENTALS (ALEXA, SIRI, SELF-DRIVING CARS).**

**BASICS OF COMPUTERS, DATA, AND MACHINE LEARNING.**

**HANDS-ON CODING WITH SCRATCH/PYTHON.**

**ETHICAL AI DISCUSSIONS.**

**PROJECT: BUILD A VIRTUAL ASSISTANT WITH SCRATCH.**

**WEEK 3-4: HANDS-ON AI PROJECTS & APPLICATIONS**

**CREATE CHATBOTS, AI GAMES, DIGITAL ART, AND AI IN ROBOTICS.**

**LEARN ABOUT AI'S IMPACT ON HEALTHCARE AND THE ENVIRONMENT.**

**PROJECT: DEVELOP AN AI-POWERED STORY GENERATOR.**

**WEEK 5-6: ADVANCED AI & CERTIFICATION PREP**

**TRAIN AI MODELS AND EXPLORE REAL-WORLD APPLICATIONS.**

**WORK ON A GROUP AI PROJECT AND PRACTICE PRESENTATION SKILLS FINAL ASSESSMENT, PROJECT SUBMISSION, AND CERTIFICATION.**

**PROJECT: BUILD AN AI IMAGE CLASSIFIER (RECOGNIZES OBJECTS/ANIMALS).**



## Weekly Real-Time Projects

**Week 1: AI Chatbot with Scratch**

**Week 2: AI-Powered Story Generator**

**Week 3: AI-Powered Drawing Assistant**

**Week 4: AI Sentiment Analyzer**

**Week 5: AI Music Composer**

**Week 6: Final AI Project Presentation**

 **Graduation & Certification Ceremony on final Day**

