



LEARN FROM
GLOBAL
FACULTY



SUMMER
PROGRAM



WORK ON
REAL-WORLD
CHALLENGES



YOUNG TECHNOLOGY SCHOLARS

A first-of-its-kind residential summer program, designed to transform students into tinkerers, fearless leaders, and problem solvers.

Class: 9-12 (as of June 2024)

Dates: June 9 – June 23, 2024

ABOUT US

Young Technology Scholars (YTS) is a summer program offered by Plaksha University. The 2 week program provides a flavor of Plaksha's exciting, hands-on and interdisciplinary learning to a select set of high school students.

YTS has been designed by senior faculty from leading universities around the world in collaboration with alumni of top institutions including Stanford, HBS, UC Berkeley, IITs, and IIMs.

Plaksha is a technology university founded by a global community of entrepreneurs, business leaders, and corporates to reimagine technology education and research in India and the world.



THE PROGRAM

Deep dive into the ideas that drive technology in the 21st century

If you are curious about Artificial Intelligence, Augmented Reality, or Biological Systems, YTS will help you explore the nuances of technology, fundamentals of computation, hardware interfaces, biosensing, and programming through interactive seminars and hands-on projects.

Our interdisciplinary curriculum and 'maker-builder' approach to learning provides an environment that nurtures creativity and imagination, fosters collaboration while stimulating scientific reasoning.

Be a part of the next technology revolution.

Immerse yourself in learning how to solve challenges of the future.

Become a Young Tech Scholar!



Please note:

Plaksha University supports female participation in STEM

DETAILED CURRICULUM

Curriculum is interdisciplinary with 4 parallel tracks.



TRACK 1 - LECTURES

Learn from global academicians who believe that learning can be fun! They ask the 'why' of every problem and teach how to approach a problem from different perspectives. Students then implement the strategies to solve a real-world problem.

YTS 2024 Plenary Lectures & Global Challenges Keynote Series



Dr. Ravi Jasuja
Director, Translational Research & Discovery, BWH, **Harvard Medical School**
Co-founder, **Plaksha University**



Dr. Hanumant Singh
Professor, Electrical and Computer Engineering, **Northeastern University**
Program Director, Master of Science in Robotics, **Northeastern University**



Dr. Arshdeep Sidhu
Visiting Faculty
Plaksha University
PhD - Nanobiophysics, **University of Twente, The Netherlands**



Dr. Shashikant Pawar
Assistant Professor,
Plaksha University
PhD - Mechanical Engineering
IISc Bengaluru



Dr. Monika Sharma
Associate Professor
Plaksha University
PhD - Computational Natural Sciences
IIIT Hyderabad



Dr. Malini Balakrishnan
Director, Center for Water Security
Plaksha University
PhD - Department of Biochemical Engineering & Biotechnology, **IIT Delhi**

TRACK 2 - EXERCISES

Before diving into complex and advanced projects, learn the basics of electronics and programming.

Fundamentals of Programming: In the digital era, programming has become a necessary skill to learn. Students develop critical thinking, problem solving, creativity and use these skills in building their projects.

Build with Microcontrollers: Microcontrollers are the basic building blocks of IoT. Creative and innovative combinations of sensors and actuators with microcontrollers are taught to create a better digital interface.



TRACK 3 - HANDS-ON PROJECTS

Building is the core of the program. Students are exposed to a wide variety of projects in areas such as biology, robotics, games, and cryptography/hacking.

Based on their interest, they choose and work in-depth on a project. In the past, our scholars have worked on projects like *building an ECG machine, self-balancing robot, teleoperated rover, intelligent game design, and secure communications.*



TRACK 4 - MENTORSHIP & GUEST SESSIONS

In this track, industry leaders from diverse backgrounds share their journey and help students understand what it takes to meet goals.

Previous cohorts interacted with leaders from space startups, non-profit organizations, technology industry, finance and film industry, and education institutions.



GET INSPIRED

You will be exposed to an inspiring new idea, topic, or design challenge, every day to inculcate a growth mindset.



DATES TO REMEMBER

Application Deadlines

Round 2: **March 31, 2024**

Round 3: **April 17, 2024**



WHERE WOULD THIS BE?

YTS 2024 will be a fully residential program hosted at the Plaksha University campus, Mohali (Chandigarh).

HOW DO I APPLY?

Visit our [website](#) and fill the application form before the deadline!

WHO CAN APPLY?

Students from class 9 to 12 (as of June 2024) are eligible.

Class of 2023



200 Students

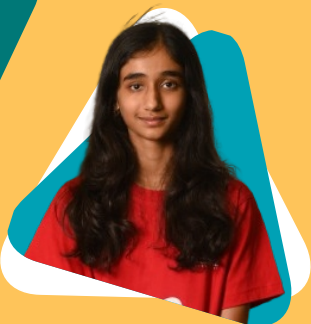
123 schools

45 cities

56 students from tier 2/3/4 cities

WHEN YOU LEAVE, YOU WILL

- KNOW HOW TO **CODE**
- **THINK** DIFFERENTLY
- **WORK** ON GLOBAL CHALLENGES
- UNLEASH YOUR **CREATIVITY**
- MAKE **LIFELONG FRIENDS**



“When I first came to YTS, I had no experience in coding, electronics, and microcontrollers, but within a week I learnt a lot and had the chance to attend lectures that enriched my learning. I also got to have a look at college life and got exposure to various things”

Aanya M., YTS 2023
Shiv Nadar School, Noida



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