



**LEARN FROM
TOP GLOBAL
FACULTY**



**WORK ON
REAL-WORLD
CHALLENGES**



**SUMMER
PROGRAM**

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 2023)

Dates: June 11 - July 2, 2023

(Cohort A: June 11 - June 25; Cohort B: June 18 - July 2, 2023)

ABOUT US

Young Technology Scholars (YTS) is a summer program offered by Plaksha University. The 2 week program offers 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 from 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

YTS will help you to add to your experience in your portfolio

DETAILED CURRICULUM

Curriculum is interdisciplinary with 4 parallel tracks.

Track 1
Lectures

Track 2
Exercises

Track 3
Hands-on projects

Track 4: Mentorship
and Guest Sessions

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 2023 Plenary Lectures & Global Challenges Keynote Series



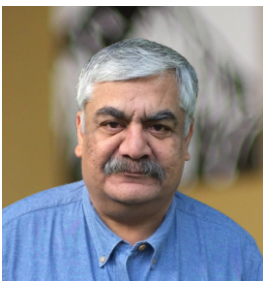
Dr. Ravi Jasuja

Co-founder, Plaksha University
Director, Translational Research & Discovery, RPMH, Aging & Metabolism BWH, Harvard Medical School



Dr. Hanumant Singh

Guest lecturer, YTS program
Director, Multidisciplinary Centre for Robotics, Northeastern University



Amit Sheth

Faculty, Plaksha University
Mphil, IIT Bombay



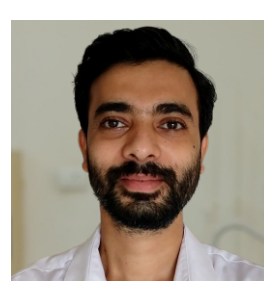
Dr. Prashanth Kumar

Faculty, Plaksha University
PhD TU Delft



Dr. Monika Sharma

Faculty, Plaksha University
PhD, IIT Delhi



Dr. Shashikant Pawar

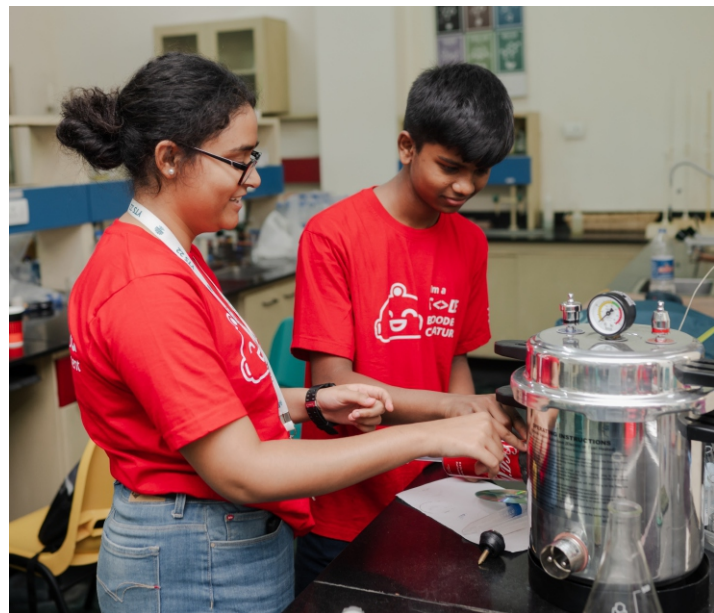
Faculty, Plaksha University
PhD, IISc Bengaluru

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 microcontrollers are taught to create a better computer platform.



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

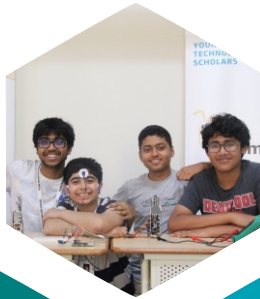
In this track, industry leaders from diverse backgrounds share their journey and help students understand what it takes to meet goals.

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.

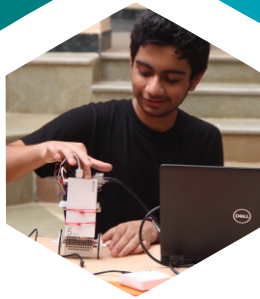


YOUNG TECHNOLOGY SCHOLARS

Hands-on
team based activities focused on real world problems

Talent Showcase
a platform to celebrate talents

Mentorship
time with a CEO, founder or top exec



DATE TO REMEMBER

Round 2
Application Deadline
April 15, 2023



WHERE WOULD THIS BE?

YTS 2023 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 2023) are eligible.

Class of 2022



150 Students

90 schools

39 cities

72 students from tier 2/3/4 towns

WHEN YOU LEAVE, YOU WILL

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



“

YTS 22 was an amazing journey which has sparked my mind to start thinking in a different way. It has taught me how you can have fun and learn together! It gave me wide eyesight of tech and showed the power tech holds.

”

Arjun Taneja, YTS 2022
Sanskriti School, Chanakyapuri, Delhi



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