PLAKSHA UNIVERSITY

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 2022)

Dates: June 12 - July 3, 2022
(Cohort A: June 12 - June 26; Cohort B: June 19 - July 3, 2022)

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

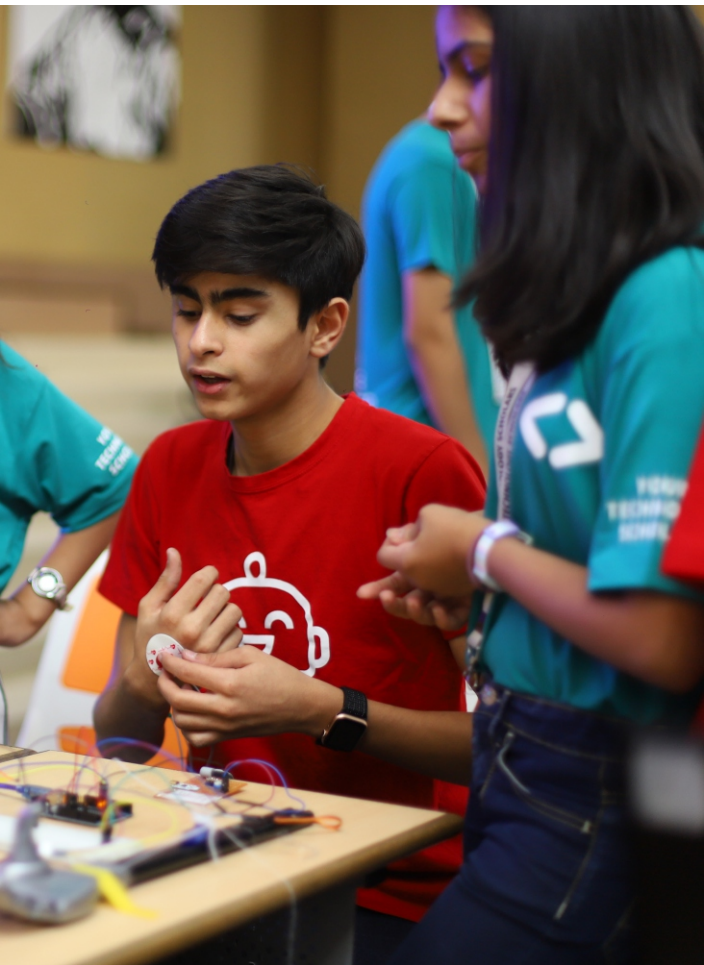**Deep dive into the ideas that drive technology in the 21st century**

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 a 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: Our students' safety is our utmost priority. YTS 2022 will be a fully residential program held at our Mohali campus. The format might change depending on the prevailing pandemic situation. True to its spirit, YTS will continue to focus on offering a unique experience to the students centered around projects that have real-world relevance.

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 2022 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
Faculty, YTS program
Director, Multidisciplinary Centre for
Robotics, Northeastern University

Amit Sheth
Faculty, Plaksha University
M.Phil. IIT Bombay

Dr. Prashanth Kumar
Faculty, Plaksha University
Ph.D. TU Delft

Dr. Rucha Joshi
Faculty, Plaksha University
Ph.D. Purdue University

Dr. Shashank Tamaskar
Faculty, Plaksha University
Ph.D. Purdue University

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

REMEMBER
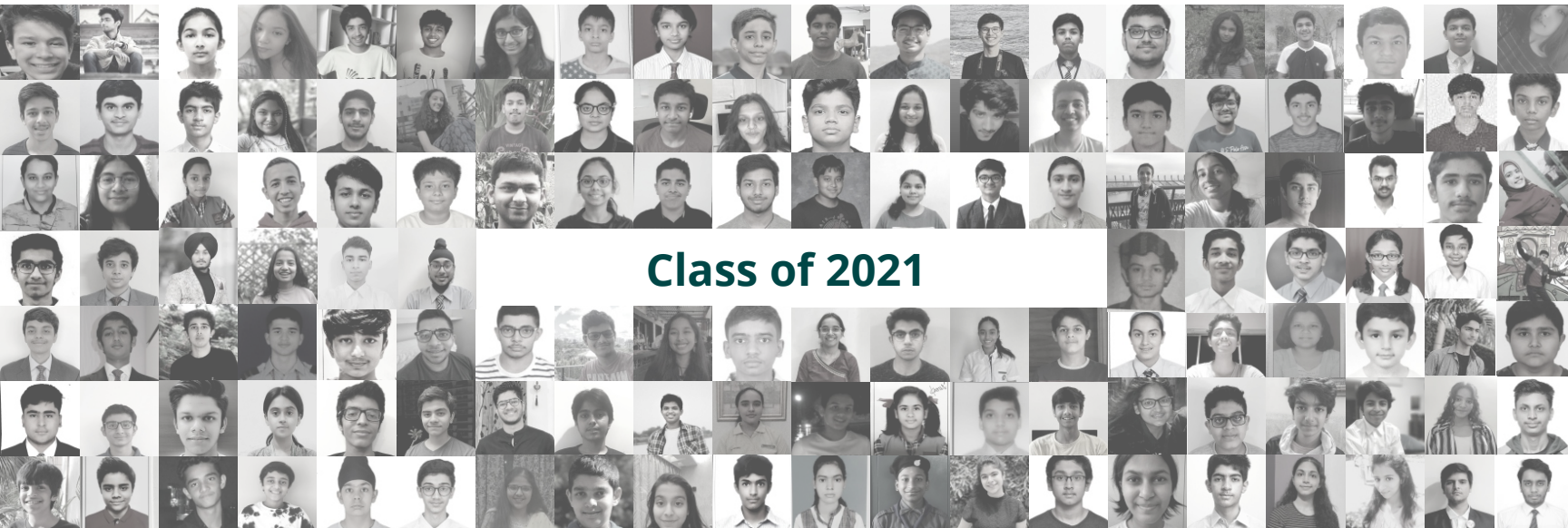
Application Deadline March 15, 2022

Final Application Deadline April 3, 2022

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WHERE WOULD THIS BE?
YTS 2022 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 2022) are eligible.

Class of 2021

🏛 **133 Students**   🏫 **100 schools**   🚩 **5 Countries**   🏙 **49 cities**

WHEN YOU LEAVE, YOU WILL

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

> *It was an amazing experience! From Talent Night to Guest Lectures to Breakout rooms sessions. I learned Python, Arduino, and a lot more. YTS has given me unforgettable memories! This program has helped me gain clarity about my career path.*

Sabarish Srinivasan, YTS 2021
Jawahar Navodaya Vidyalaya Karaikal

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