THE PURPOSE ACADEMY

1M1B 1 MILLION FOR 1 BILLION

In Partnership with

Berkeley Sutardja Center for Entrepreneurship & Technology

IAG Innovation Acceleration Group

The Purpose Academy had begun on December 15th and it is inspiring to see how far our students have come, in such a short period of time. From one-on-one interactions, to group mentoring sessions, these young leaders are actively and enthusiastically engaged in learning new concepts, comprehending genuine difficulties, and attempting to design implementable solutions to produce real effect and make a real difference.
Here is just a glimpse of what they have done so far!

14 Students

30+ Hours

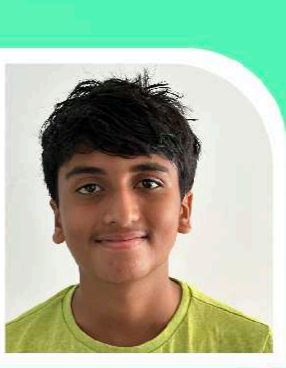
1:1 & Group Mentoring

Reflections

1M1B Fiesta

MEET OUR STUDENTS OF BATCH 2023:

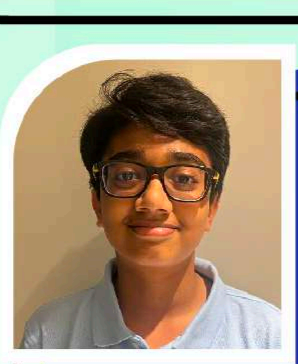
Student 1



Name : **Nikhil Harish Lakshman**
School : **Vidya Mandir Senior Secondary School**
Grade : **9**
Project Name : **Education is more than just a right**

Project Overview : This project aims at addressing the situation in semi-urban areas in North Eastern Tamil Nadu in terms of elementary level education for children living in that area as well as improving the facilities to increase the learning outcomes in a manner that is seen as sustainable. Quality Education has been the Number 1 priority of India for quite a while now and a lot of initiatives like Sarva Siksha Abhiyan and sub programs like the Early Math and Reading Comprehension program have been launched. Yet a large percentage of the younger population is unable to master elementary level math and reading. This sets them back a lot and hence denies them the opportunity to contribute to overall economic growth. Developing the educational facilities in these areas of North Eastern Tamil Nadu will help increase the learning outcomes, enrolment and decrease the dropout rate.

Student 2



Name : **Saharsh Marri**
School : **VIVA the School**
Grade : **9**
Project Name : **AgroLend**

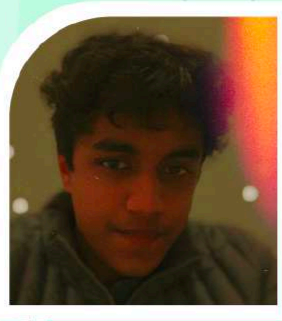
Project Overview : Many farmers in India are struggling from debt traps. Farmers take loans in order to buy seeds and other essentials for their crops. The loans they take are to be returned with very high interest, and within a very short time frame. This causes the farmer to go into severe debt which leads to farmers losing their land, properties, etc. As a result of this, the farmer ends up with less land for cultivation, which creates pressure on them. Often, the farmer will suicide because he/she is unable to bear the pressure. So I want to provide low interest loans to farmers in Vijayawada, which should reduce farmer debt and allow the farmers to keep their land and cultivate freely.

Student 3

Name : **Chandiresh Asaithambi**
School : **Stamford American International School,Singapore**
Grade : **9**
Project Name : **Project Pave the Way**

Project Overview : The project aims to help increase the financial knowledge and access to financial schemes of construction labourers in Bangalore, Karnataka and Singapore through government scheme awareness programs and financial education workshops. The idea behind the project is to better equip labourers with financial literacy skills. I aim to help host 2 government scheme related workshops, and conduct/ create 1 financial educational module that can be used in workshops and accessed online. Through this project, I would like to see migrant workers like construction labourers be given a chance to have financial security, something that we all deserve.

Student 4



Name : **Ishaan Avi Gupta**
School : **The Shriram Millennium School Noida**
Grade : **10**
Project Name : **Solar-Powered Water Purifier**

Project Overview : Our project is focused on designing and building a solar-powered water purifier that utilizes the chlor-alkali process to purify water. The purifier is specifically designed for remote villages in Delhi, where access to clean water is limited or non-existent. The system is simple, sustainable, and easy to operate, making it ideal for rural communities with limited resources.
The solar-powered water purifier uses a series of solar panels to generate electricity, which is used to power an electrolysis process that separates salt into sodium and chlorine. The chlorine is then used to disinfect the water and kill any harmful bacteria, viruses, or other pathogens present in the water. The purified water is then collected in a storage tank and made available for use by the local community. The impact of this project on Delhi's remote villages is significant. The availability of clean water can have a transformative impact on the health and well-being of local communities. Access to clean water can reduce the incidence of water-borne illnesses and diseases, which are prevalent in these areas due to the lack of clean water sources. By providing access to clean water, our project aims to improve the health and quality of life of the people living in these remote villages.

Student 5

Name : **Aryan Rajvanshi**
School : **Anand Niketan Satellite International School**
Grade : **10**
Project Name : **Project MechaCrop**

Project Overview : Project MechaCrop aims to substantially increase the agricultural yield of farms in India by eradicating harmful diseases that plague Indian farms. Drone technology and machine learning will be used to successfully identify diseases before they get a chance to spread. My project will be leveraging drone technology along with AI to help the farmers in India in two ways: a) To effectively use technology like drones to replace manual inspection of crops over large acreage and take the necessary steps which will help improve productivity, yield and also reduce losses b) Use AI and learning algorithms to help develop an intelligent payload for the drone to identify the prevalent crop diseases which are responsible for 30% crop yield loss every year in India. With the aid of thousands of images of database, I would like to develop algorithms which can be trained to identify diseases like blight etc.

Student 6

Name : **Aarav Dani**
School : **DPS East**
Grade : **12**
Project Name : **Project Arthmanager**

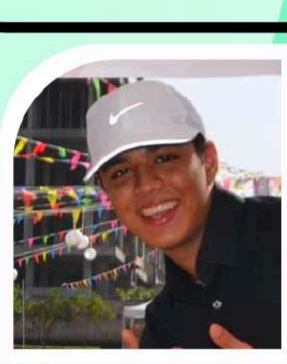
Project Overview : Through APIs and databases I am going to collect data on the local markets and crop rates in different regions currently and will process it and make it concise. I am going to create an easy to use app that will provide farmers the data in a convenient and user friendly manner. Enabling them to make better decisions regarding their crops and the markets they are competing in.

Student 7

Name : **Shraddha S Aangiras**
School : **RV PU College**
Grade : **11**
Project Name : **Quetzal - Quantum Computing Career Accelerator**

Project Overview : Quantum computing is a rapidly emerging and promising technology that harnesses the laws of quantum mechanics to solve complex problems that classical computers cannot. Projected to be one of the top emerging careers with a $700 billion market potential, it is an essential field of knowledge for STEM students. Quetzal aims to make quantum computing accessible to students of all education levels. Quetzal's Quantum Computing Career Accelerator is designed to bring fundamental quantum computing education to two cohorts of highly motivated undergraduate students. 1,000 students will be enrolled for each cohort of the program.
Top students will be matched with quantum workplace experiences to enable them to accelerate their careers as future quantum leaders.
Quetzal additionally aims to raise Rs 6 lakh to provide PCs to 10 underprivileged girls to attend the course, to encourage female participation, and bridge the stark gender equality gap in quantum, where only 19% identify as female.

Student 8



Name : **Anvay Suri**
School : **CPS Katol Road, Nagpur**
Grade : **11**
Project Name : **The Holy Paws**

Project Overview : The project aims to partner up with local NGOs and create a network which will ultimately save the lives of numerous dogs and cows. This project is based upon rescuing, rehabilitating and sheltering of injured and disease-induced animals. The project's main aim is to create awareness among the new generation and the public about ways and means to help and rescue animals; as well as help these NGOs develop and progress in terms of funds, social media presence, local interaction etcetera.

Student 9

Name : **Achintya Agarwal**
School : **The International School Bangalore (TISB)**
Grade : **9**
Project Name : **Project Awakening**

Project Overview : Project Awakening targets UNSDG 13 and 15 which is 'Take Urgent Action to combat climate change and its Impact' and 'Life on Land' and wants common people in India, for now my hometown Kanpur, to realise the importance of trees. The project aims to increase the green cover area by planting 300 trees around shops, in societies with the help of differently-abled children from an NGO and encouraging them to plant more and more trees and to water them religiously. This project focuses on improving our ecosystem, sustainably manage our forests and decline the effects of global warming resulting into better living conditions for every living being on Earth.

Student 10

Name : **Naina Gupta**
School : **The International School Bangalore (TISB)**
Grade : **9**
Project Name : **The Water Filtration Unit in a Rural School**

Project Overview : Project aims to improve the health of the villagers of Marsur, Karnataka by holding education sessions, in English/Hindi/ Telugu (with help of translator) on topics such as substance abuse, cardiac issues, and water borne diseases. Water purification filters will be installed which provides 300 liters of clean water daily and will distribute 500 kg of alum rock which can filter water in emergency situations.

Student 11

Name : **Arya Padiyar**
School : **Greenwood High International School**
Grade : **11**
Project Name : **SkillBridge**

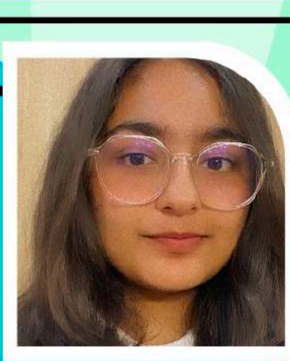
Project Overview : The project aims to provide a platform that helps individuals learn and develop the skills like social media marketing, video editing, and graphic design. These skills can be used to start a solopreneurship or to help an individual get a job at a firm. This also enables people to create content to tell their stories or to build a personal brand. The simple philosophy is to create content instead of consume content.

Student 12

Name : **Abhijna Akkineni**
School : **Chirec International School, Hyderabad**
Grade : **11**
Project Name : **Asclepius**

Project Overview : Asclepius aims to raise awareness on mental health issues and reduce the overall stigma around it in rural areas in India, through awareness sessions and surveys for batches of young adults from ages 16 to 29 .The mission of the project is to ultimately increase the understanding of issues on mental health for the rural citizens. I hope that through this project the stigma in the community will change about the topic and urge people to learn more and seek help if needed.

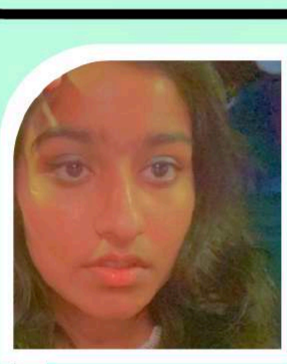
Student 13



Name : **Jaanya Sobti**
School : **Pathways School Gurgaon**
Grade : **9**
Project Name : **RuralWealth- your journey to a sustainable and fulfilling life.**

Project Overview : Despite efforts to increase financial literacy in rural sectors, many families in the villages of Gurgaon, specifically in Tikli Village which is the focus here, are still unable to cover their living expenses. Families with less income may have to cut back on expenses such as food, housing, and healthcare, which can significantly reduce their standard of living. Financial instability can make it challenging for these families to meet their financial obligations, such as purchasing daily groceries, paying rent, school fees and more. The desired outcome is to increase the savings and income of families who are financially unstable in Tikli Village, through investing. This will be measured by introducing a solution and observing improvements in the financial status of families that belong to Tikli Village through my project.

Student 14



Name : **Jiya Sobti**
School : **Pathways School Gurgaon**
Grade : **9**
Project Name : **Puer Dei (Meaning : Child of god in Latin)**

Project Overview : On an average 8 out of 10 disabled children are bullied for their disabilities while others are abused both mentally, verbally and physically for their appearance. I believe a scar doesn't define you and everyone is beautiful in his/her own way hence I have taken up the challenge to use 'Dance' as a form of self motivation and representation for disabled, visually impaired and acid attack victims so that they can motivate others to join in and boost their confidence as well. I will be teaching dance choreographies to the participants through online classes and offline classes as well, which will take place every 2 weeks or so. The long term goal is to gradually build up an atmosphere for the individuals to discover themselves freely through dance, enhance themselves and discover a new skill.

SESSIONS WITH MARK SEARLE, FACULTY DIRECTOR, THE PURPOSE ACADEMY & INDUSTRY FELLOW, SCET, COLLEGE OF ENGINEERING, UC BERKELEY:

We had our Sprint 1 with a fantastic faculty member from UC Berkeley on January 7th & 8th, 2023. The 2 days were packed with lots of learning, interaction, activities and fun! All our students participated in the 2 day workshop in an enthusiastic manner and gained insights on various topics such as sustainable business models, customer interviews, sustainable development goals, entrepreneurship, business ideas, social impact lessons, and many more.
Faculty Members for the both the days included
Mark Searle, Faculty Director, The Purpose Academy & Industry Fellow, SCET, College of Engineering, UC Berkeley
Manav Subodh, Former Global Ambassador & Mentor, SCET, College of Engineering, UC Berkeley & Co-founder, 1M1B

An interesting element of the workshop included a celebration mixer called THE 1M1B Fiesta held on 7th of January, 2023. We specially felicitated the Future Leaders who were part of the 1M1B Summit at UN as youth champions for SDGs by presenting them a memento and with a few of them showcasing their impact. Our current and past students, principals and teachers were present to encourage the students. The Fiesta was filled with lively interactions and lots of fun elements as we kicked off a fantastic 2023!
The event was a bigger success with the presence of the **Principal of The International School Bangalore (TISB), Dr. Caroline Pascoe; Ms. Shiny from NPS, Indiranagar and many more. Mark Searle,** who is a lead faculty and industry fellow at UC Berkeley was the special guest for this event.

FEBRUARY & MARCH - MONTHS OF REFLECTION AND MENTORING:

SOME REFLECTIONS FROM OUR STUDENTS:

Which aspect of the TPA program excites and challenges you the most?

The creativity involved in every aspect of the TPA program excites me the most. From the first day I met Manav sir prior to joining, I've been amazed by the phenomenal ideas that solve unique, important issues. Deepika ma'am, Mark sir and the others in the amazing 1M1B staff have also given me incredible ideas on how to integrate different vital aspects into my project and ways to effectively work on them.
The sessions with Mark sir were very insightful and made me aware of the intricacies of entrepreneurship.
I'm excited to see how I can make my idea flourish on a large scale and impact a huge number of students.
-Shraddha Aangiras

The exciting aspect is to work with peers who have the same vision as me to make a change and the challenging part will be the effort required to make a difference.
--Nikhil Harish Lakshman

How do you think the TPA program will enable you to grow?

I think the TPA program will enable me to grow in many ways. In this program I get to meet a lot of new people and make new connections. Also I get to learn leadership skills and work with others in order to make my idea work. There is a lot of problem solving too and that will sharpen my thinking / problem solving skills.
--Saharsh Marri

The mentoring sessions are beneficial for building my project, which I hope to have a large-scale reach with, and desire to continue it well after the assigned TPA duration ends as well. I believe TPA will enable me to develop an interest into an impact.
-Arya Padiyar

What have you learned about the 4-3-2-1 approach? Were you able to structure your thoughts around the problem areas that you wish to work for?

By using the 4-3-2-1 approach, I have used statistics, my strengths and weaknesses, and personal attachments to justify my narrowing down of the need of the hour to supply education to impoverished children.
-Naina Gupta

The 4-3-2-1 approach is a great plan for structuring my problem. It helps me to visualize the problem in 4 steps, Need of the hour, Unfair Advantage, Personal story, and silliness. The part of the silliness excites me most, it helps me drive the courage to create a product that may be beneficial for the society. With the help of 4-3-2-1, I was able to structure my thoughts around the problems I wished to work for.
-Ishaan Gupta

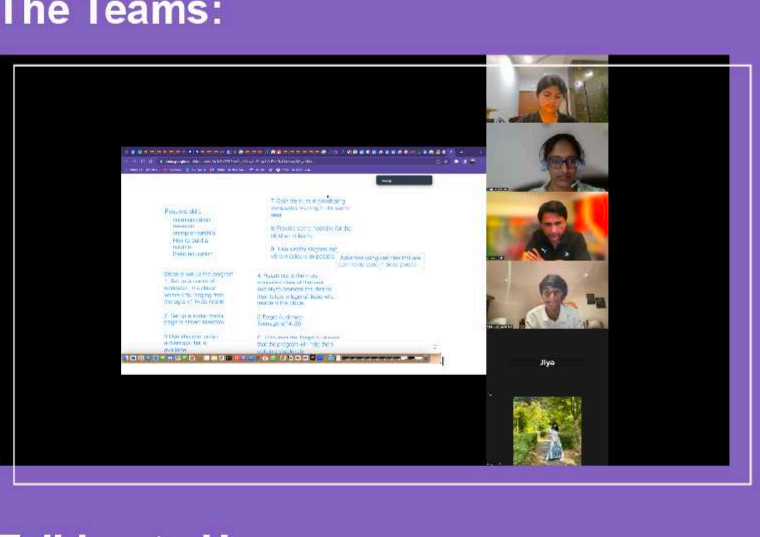
What do you think your role could be in effecting change for the better?

I want to make an impact in my own small way and working with TPA should help me do that. I just want to contribute for the betterment of the world and TPA has given me the resources to do just that.
-Nikhil Harish Lakshman

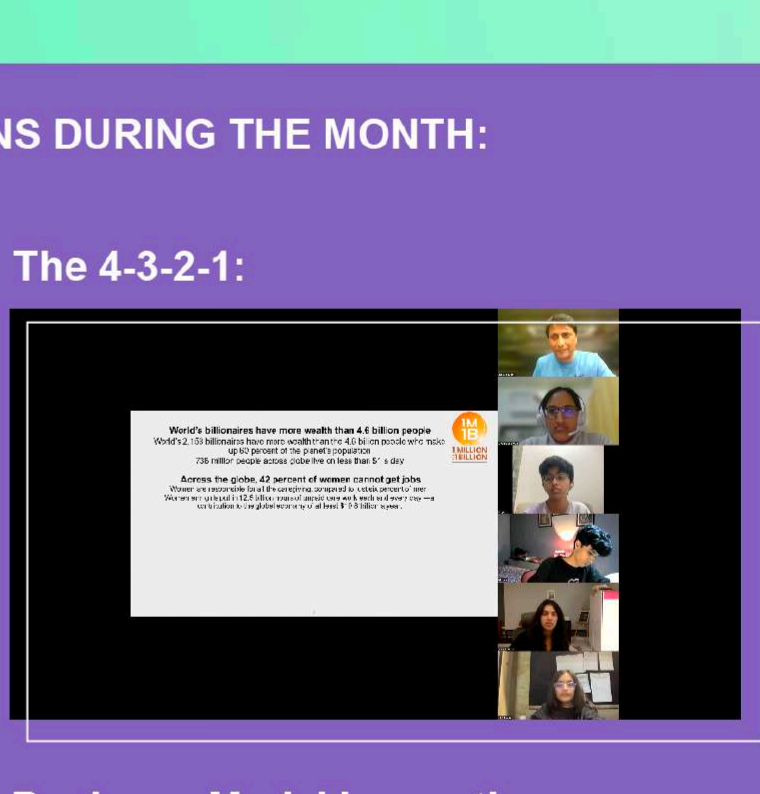
I think I can be the change maker, the individUal who takes action for a better change and is able to make a solution that positively affects the lives of others.
-Chandiresh Asaithambi

GLIMPSES OF SOME GROUP MENTORING SESSIONS DURING THE MONTH:

The Teams:

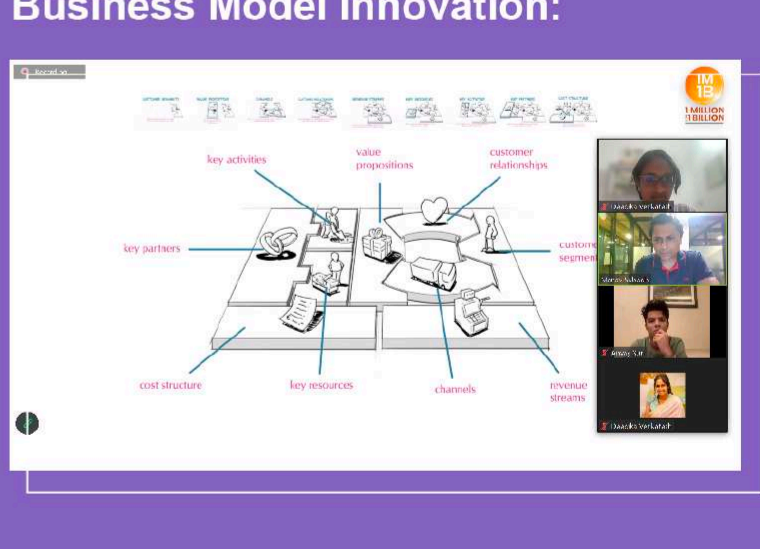


The 4-3-2-1:



Talking to Humans:

Business Model Innovation:



Hyderabad Cohort of 1M1B TPA on 1st and 2nd of April, 2023:

Some glimpses from the field work:

MEET THE TPA TEAM:

MARK SEARLE

Managing Director of the Innovation Acceleration Group at UC Berkeley Executive Education

Mark Searle is also a former Senior Fellow for Global Programs at the Haas School of Business, Lester Center for Entrepreneurship. He brings 20 years of experience as co-founder, CEO and COO of a number of early-stage and growth-stage technology startup companies. Mark has led and taught Innovation and Entrepreneurship programs sponsored by major corporations and in collaboration with universities and government agencies around the world. He served as Founder and CEO of SenSage and LogSavvy, as CEO of Europe-based Kinamik Data Integrity, and as COO at Plynetics Corp., Cybergold and Internet Pictures Corp. Companies under Mark's leadership have won "Top European ICT Startup" (Eurecan); "Innovate 100" most innovative startups, "Red Herring 100" Top North American Startups, and others. He holds an MBA from Harvard Business School, an AB with honors from Princeton University and was a Distinguished Graduate Student Instructor at UC Berkeley.

ELIZABETH SAUNDERS

Chief of Staff and Program Director for the Innovation Acceleration Group at UC Berkeley Executive Education

Elizabeth served as a cryptologic technician in the U.S. Navy for five years and has worked in a variety of industries. She managed US programs for an India-based immersive business education venture and worked with a grassroots initiative to fight human trafficking in London. She was also Program Manager at startup-focused technology engine YouNoodle. She works with the IAG team to enable entrepreneurs and corporate innovators to learn and apply Lean methodologies to their innovative ideas.

MANAV SUBODH

Founder 1M1B and Former Global Ambassador, SCET, UC Berkeley, College of engineering

Manav is a member of Innovation Acceleration Group, where his focus is on projects related to artificial intelligence (AI), aviation, and smart cities. Manav has worked for Intel corporation and led Intel's entrepreneurship initiative for over 30 countries. He has also worked for Ernst and Young (EY), Hughes and QAI. In 2015-17 he was appointed as Senior Fellow at UC Berkeley's Haas School of Business and in 2016 as the Garwood Innovation Fellow with UC Berkeley's Corporate and Open Innovation center in which he led Smart Village initiative in India.

SAFFIN MATHEW

Programs Director

As the Head of Programs at 1 Million for 1 Billion (1M1B), he conceptualizes and manages programs bringing youth together to achieve the SDGs using new age tools and technologies. The 'AI for SDGs' curriculum designed by Saffin is being used extensively to train high school students across India on AI while driving youth to create AI-powered solutions to accelerate the SDGs. He works closely with global leaders and organizations to mobilize and engage youth for global impact. His passion to propel youth from intent to action has resulted in coaching and mentoring over 10,000 students as part of the 1M1B programs. Saffin oversees the annual 1M1B Activate Impact Summit at the United Nations, New York and is also associated with the TED community as a curator since 2012. He believes in the power of storytelling to evoke empathy, drive advocacy and achieve positive change.

DEEPIKA VENKATESH

Program Manager- Education, Sustainability & Climate Action

Deepika switched careers from being a Senior Risk and Regulatory Affairs Analyst at Deloitte USI to the field of education. She holds experience in the field of business valuation, Capital Markets Division from ISB and is a certified IBDP CAS coordinator. Being a Digitally Certified educator by organizations like National Geographic, UNESCO, Google Level 1, Erasmus University Rotterdam and many more, she believes in encompassing progressive teaching and learning techniques in classrooms for quality education. Deepika was awarded 'Woman Changemaker' of the year in the field of education by Harper Collins, India. She has integrated UN SDGs in more than 100+ sessions with students across India, volunteered for visually impaired people across the globe and is also a voice donor for the visually impaired. Deepika strongly believes that 'Small is the Real big'.

DR. SWATI SUBODH

Co-Founder and Senior Mentor

Swati is a scientist in the field of biotechnology with expertise in genomics. She is also a guest columnist with many reputed media houses. She is passionate about innovations in healthcare for greater on-ground impact. Swati has delivered talks at reputed forums and conferences worldwide on #bridgingsilos to accelerate innovations to the grassroots.

IRENE MANNING

Program Manager and Senior Mentor

Irene previously worked at Intel in both the US and India and has experience in analyzing business propositions and project management which she hopes will help the Young Leaders on their exciting projects. She is the mother of 3 teens who attend Indus International. She loves to dance, read, and travel.

ANIP SHARMA

Manager, Immersive Technology & Mentor

Anip Sharma has been passionately powering Grassroot innovations and is diligently involved in facilitating and co-creating technological solutions for modern developmental challenges. He has played a pivotal role in enabling Indian youth with the latest technologies to create sustainable services and products. As an AI expert, he has been a part of The Purpose Academy program by 1M1B and has delivered numerous guest lectures on the industry-wide impact of future tech.

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