

Collaborations

All India iGEM Meet 2021 :-

Our team took initiative to organize the All India iGEM Meet and was part of the core organizing team. AIIM which was jointly organised by 6 teams got active participation from all 10 Indian iGEM teams along with ambassadors and ex-igem members. All 10 teams showcased their presentations to a panel of judges, and got constructive feedback and shared ideas among each other.

As the members of the core team, we were involved in moderating and hosting various events, managing sponsorships, technical aspects of the meet, etc. As a part of casual events of AIIM, we organized a Synthetic Biology Quiz which had a participation of around 150 iGEMers and non-iGEMers.



ALL INDIA iGEM MEET 2021

23RD TO 25TH JULY 2021

Schedule:

23

11:00 - 11:15 AM
11:15 - 11:55 AM
11:55 - 12:00 PM
12:00 - 01:00 PM
01:00 - 02:00 PM
02:00 - 04:00 PM
04:15 - 04:35 PM
04:35 - 05:00 PM
05:00 - 06:00 PM

AIM Opening Session
Introduction of Indian League
Break
SynBio Quiz by IISER Bhopal
Break
SynBio Pictionary by IISER Pune
Introduction to iGEM EPIC
Break
Wrong Answers Only by IISER Berhampur

24

11:00 - 12:40 PM
12:40 - 01:15 PM
01:15 - 02:00 PM
02:00 - 02:40 PM
02:45 - 03:00 PM
03:00 - 04:45 PM
04:45 - 05:00 PM
05:00 - 05:30 PM

Project Presentations
Break
Icebreaker/ Ambassador meet
Resources to support early career researchers: Promega
Break
Talk Series
Break
Promo Video Presentations

25

10:00 - 11:30 AM
11:30 - 01:15 PM
01:15 - 02:00 PM
02:00 - 04:00 PM
04:30 - 05:00 PM
05:00 - 06:00 PM

Proteios: Workshop by IISER Tirupati
Project Presentations
Break
FireSide Chat by MIT Mahe
Break
Dungeons & Dragons by IISER Thiruvananthapuram

For more details contact: allindiaigemmeet@gmail.com
Sponsored by Promega, India



Recording You are viewing Nikhita Kirthivasan's screen View Options View

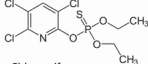
What are Organophosphates and why are they a problem?

Organophosphates are a class of phospho-esters that are widely used across the primary and secondary sectors in various manners.

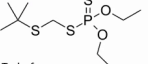
Because they inhibit acetylcholinesterases which are essential for normal nerve function in animals, they are used as pesticides in the agricultural sector.

$$\begin{matrix} \text{R}^1\text{O}-\text{P} \\ \parallel \\ \text{O} \\ | \\ \text{R}^2\text{O} \\ | \\ \text{OR}^3 \end{matrix}$$

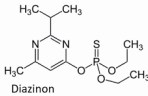
General Chemical Structure



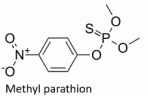
Chlorpyrifos





Terbufos



Diazinon









Methyl parathion

Archana Chugh...		Sagnik (IISER T...	
husainamjad (J)	Aan Ruth	Anooshka Pared...	Zixin Rong (J)
Veena Tamma	SHUBHRA SING...	Komal Pati	Shreyas Parkhie...
Om	Sukriyo Chakra...	Nikhita Kirthiva...	dipan
Jitheesh Joy	Norma Cenva	Shreyash Pramo...	Ritwick (IISER B...
Sanjana Vasanth	Alina	Soham Karandi...	Sheba Cheeran

Unmute Start Video Participants 44 Chat Share Screen Reactions Leave

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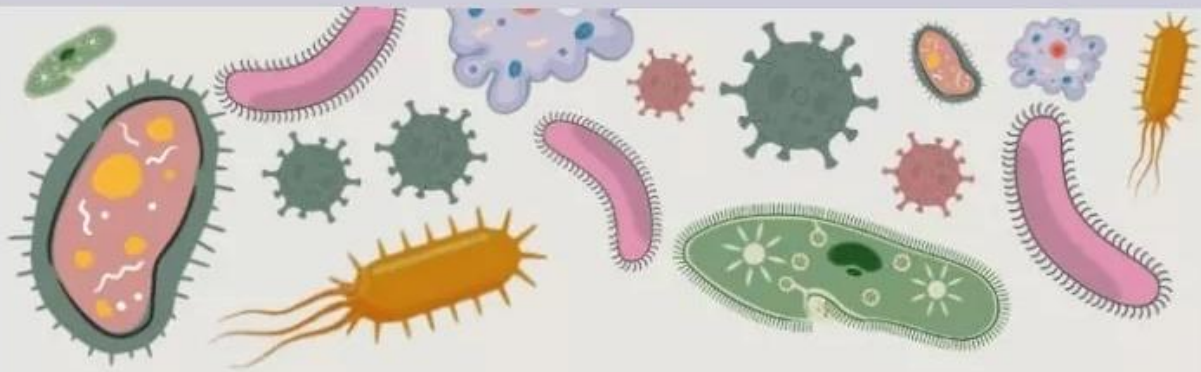
	Sagnik (IISER T...		Ashley Hermon
husainamjad (J)	Aan Ruth	Anooshka Pared...	Archana Chugh...
Zixin Rong (J)		Sayanthana (IIS...	
Veena Tamma	SHUBHRA SING...	Komal Pati	Shreyas Parkhie...
Om		Abeg Dutta	Jitheesh Joy
Norma Cenva	Shreyash Pramo...	Ritwick (IISER B...	Shivaraman

Unmute Start Video Participants 66 Chat Share Screen Reactions Leave

International Microorganism Day - Instagram Challenge:-



Since iGEM is all about engineering organisms, where we majorly handle microbes, this International Microorganism Day (17th September), we asked various iGEM teams to post about their favorite microorganisms and also if they're using any in their project. This helped various people to learn about various useful microbes which are used by synthetic biologists for creating useful products for society. More than 30 iGEM teams, from around the globe participated in this challenge helping us create awareness about microorganisms.



International Microorganisms Day





iGEM_FRIENDZYMES

International Microorganisms Day



Which is your team's favorite microorganism?

Bac



Which microorganism you find the scariest of all?

HIV

We nominate:

@igemvienna





International Microorganisms Day



Which is your team's favorite microorganism?

E. Coli ❤️



Which microorganism you find the scariest of all?

Streptococcus pneumoniae

We nominate:

@igempku

iGEM Nantes -

Introduction Video

In order to unite iGEM teams virtually and to show how big and diverse iGEM competition is, iGEM Nantes started collecting videos of members from different iGEM teams to display it in their college presentations for SynBio outreach. Member of our team also contributed to the video in Hindi language. This same collection was also used in iGEM Opening Weekend Festival (OWF 2021), to introduce various iGEM teams participating this year in iGEM [competition](#).

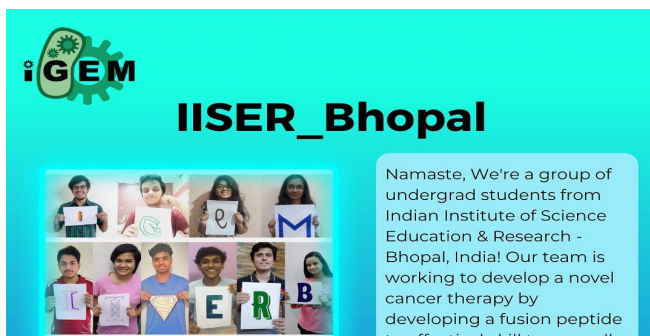
Languages you Speak - Instagram challenge

iGEM Nantes also started an online instagram challenge wherein in order to find out how many languages are spoken by members of different iGEM teams. This led us to know and wonder how diverse our iGEM community is.



Workbook Collab - iGEM Thrace & HKBU

In order to spread awareness about synthetic biology and to train synbio enthusiasts, we have made "A beginners guide to Synthetic Biology", a workbook prepared for high-school / undergraduate students or anyone interested and new to this field. To disseminate this information to the masses and to educate people from diverse backgrounds, we invited iGEM teams from around the world to collaborate and translate the workbook into local language of their region. This is where iGEM Thrace helped us with Greek translation of the workbook & iGEM HKBU helped with chinese. The workbook can be accessed through here.



Korea HS - Instagram & Mentorship

We collaborated with Korea HS by participating in their quarantine themed Instagram project. The objective of their project was to create a sense of community even through the pandemic and make it easier for teams to reach out to each other.

We also helped Team Korea HS by clarifying their doubts regarding various medal criterias. We first met in July where we discussed each others projects, both of which were based on cancer and hence we decided to be in continuous touch. We made a whatsapp group with members from both team to communicate quickly and Efficiently. We also had a 2nd meet later in september wherein we assessed the work done by each team and we also advised what more needs to be done to satisfy medal criterias especially in Human Practises.



iGEM Guelph - Interview

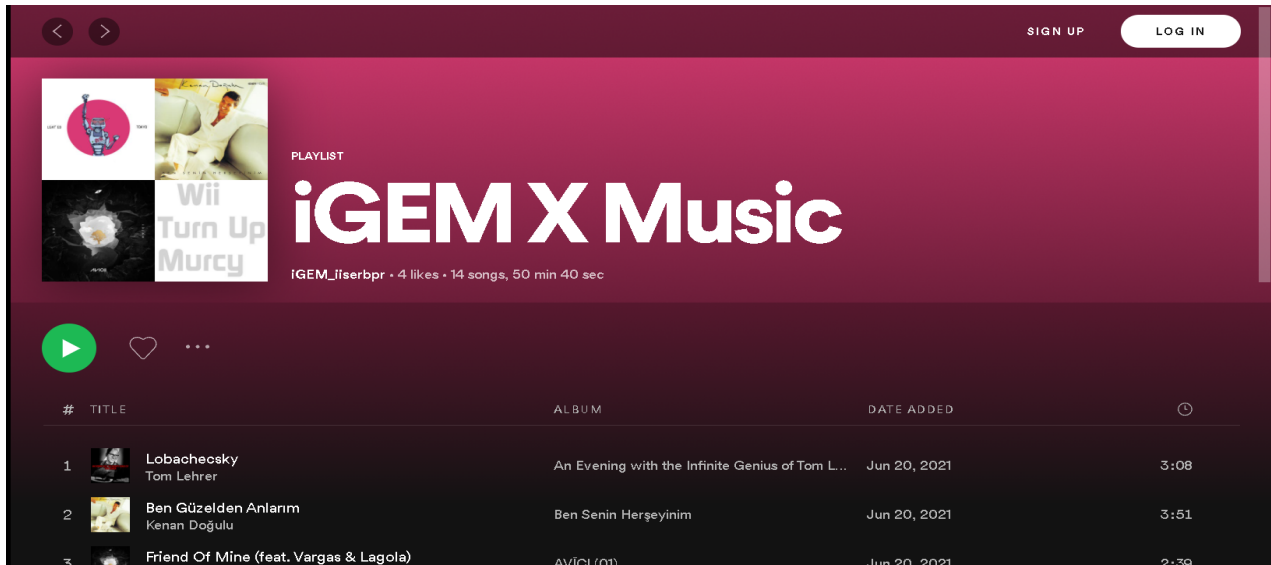
We also helped the iGEM team of Guelph for their content preparation for a magazine they were making for Canadian High School students. They took our interview asking us about our project details including all aspects ranging from dry lab, wet lab and our efforts for Synbio communication.



iGEM x Music - IISER Berhampur

Music with all its subtlety has immense power to unite people and spread love, because music is a universal language. On world music day (21st June) IISER Berhampur tried to unite the iGEM teams all over the world through the language of music by creating iGEMers playlist on Spotify.

12 teams participated in making of this playlist which can be accessed through here.



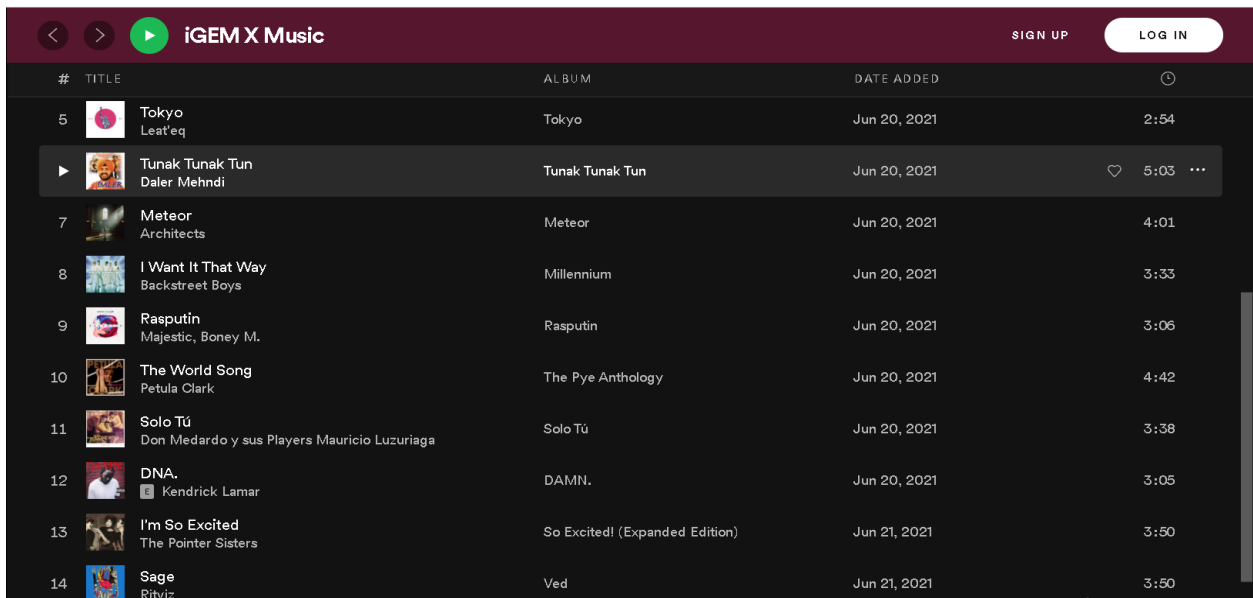
PLAYLIST

iGEM X Music

iGEM_IISerbpr • 4 likes • 14 songs, 50 min 40 sec

▶ ❤️ ⋮

#	TITLE	ALBUM	DATE ADDED	
1	Lobachevsky Tom Lehrer	An Evening with the Infinite Genius of Tom L...	Jun 20, 2021	3:08
2	Ben Güzelden Anlarım Kenan Doğulu	Ben Senin Herseyininim	Jun 20, 2021	3:51
3	Friend Of Mine (feat. Vargas & Lagola)	AVICII (01)	Jun 20, 2021	2:39

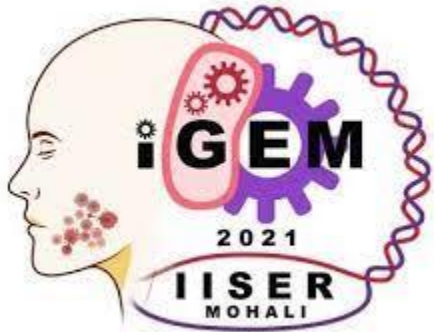


▶ iGEM X Music

SIGN UP LOG IN

#	TITLE	ALBUM	DATE ADDED	
5	Tokyo LeaT'eq	Tokyo	Jun 20, 2021	2:54
▶	Tunak Tunak Tun Daler Mehndi	Tunak Tunak Tun	Jun 20, 2021	❤️ 5:03 ⋮
7	Meteor Architects	Meteor	Jun 20, 2021	4:01
8	I Want It That Way Backstreet Boys	Millennium	Jun 20, 2021	3:33
9	Rasputin Majestic, Boney M.	Rasputin	Jun 20, 2021	3:06
10	The World Song Petula Clark	The Pye Anthology	Jun 20, 2021	4:42
11	Solo Tú Don Medardo y sus Players Mauricio Luzuriaga	Solo Tú	Jun 20, 2021	3:38
12	DNA. Kendrick Lamar	DAMN.	Jun 20, 2021	3:05
13	I'm So Excited The Pointer Sisters	So Excited! (Expanded Edition)	Jun 21, 2021	3:50
14	Sage Ritviz	Ved	Jun 21, 2021	3:50

IISER Mohali :- Partnership



We had a meet with IISER Mohali very early at the start of iGEM cycle and since then due to alignment of both the projects towards cancer we contributed in various aspects ranging from AIM meetups, to part characterization help from their side, modelling help provided from our side and shared creation & analysis of HP survey and science communication. The more info about our partnership can be found [here](#).