

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru– 560 057

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Department of Biotechnology**Index Sheet-Monthly event conducted December 2020**

Sl. No.	Name of the Event	Programme type	Date of conducted	Event specification
1	Importance and scope of Competitive exams in career enhancement	Webinar	03-12-2020	Resource Person: Dr. Ankita Trivedi
2	World Soil Day	NSS Webinar	07.12.2020	Resource person: Ms. Anjali Ramachandra
3	Trends in Computational Biology	Faculty Development Program (Virtual)	9.12.2020- 13.12.2020	Faculty orientation
4	Apoptosis- A Programmed Cell Death	Webinar	19-11-2020	Resource person- Mr. Sagar S



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AY: 2020-2021
2020-ODD

*Type of event/activity	Webinar
Name/Title of the Activity/Event	Importance and scope of Competitive exams in career enhancement
Date of Organization	03-Dec-2020
Venue (with address)	Department of Biotechnology (SCE)
Organized by	Convener: Prof. Prashanth Kumar H. P. Co-ordinator: Dr. Chethana K R and Prof. Ramya D L
Objectives of the event/activity	To discuss on : <ul style="list-style-type: none"> To motivate students for prospective career in Government and Corporate Sector. To intensively guide students for competitive Examinations like JEE, NEET, ILETS, TOFEL, UPSC, State Civil Services & other competitive and entrance exams. To build among students a sense of awareness, provide guidance, necessary literature, and other information about various competitive examinations.
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	70+ participants
Mention organized /participated/attended	Organized

Event Description:

The Department of Biotechnology organized a webinar on “Importance and scope of Competitive exams in career enhancement” on Career Oriented entrance exam for higher studies under the banner of The Institution of Engineers (India) Student chapter on 03-Dec -2020 in association with Shristi Forum, BT, SCE.

The session was open for the students and research scholars from various institutes. The resource

person for the talk was Dr. Ankita Trivedi, Senior Faculty, Biotecnika, Bengaluru.

The Aim & objective of the talk is to make understand and provide information regarding -

- Early exposure to learning and competition builds confidence and sharpens skills which raise level from other students on the same platform.
- Exams develop IQ, logical and analytical thinking and build a strong foundation for a career.
- Appearing for exams like JEE, NEET, ILETS, TOFEL, UPSC, Civil Service and many others.
- Competitive exams also help out in choosing a career as students start identifying their areas of interest while getting a deeper knowledge of subjects.
- Awards, rewards and scholarships not only provide financial assistance in further studies but also boost morale while moving ahead in the future.
- There are no drawbacks of appearing for such competitive exams and it's just a myth that they can hamper regular studies. An early step will articulate journey of success.

Talk is conducted through Google meeting; it had an interactive session where the queries were answered by the resource persons. About 70+ participants attended the webinar talk. It was an enlightening and fruitful session.

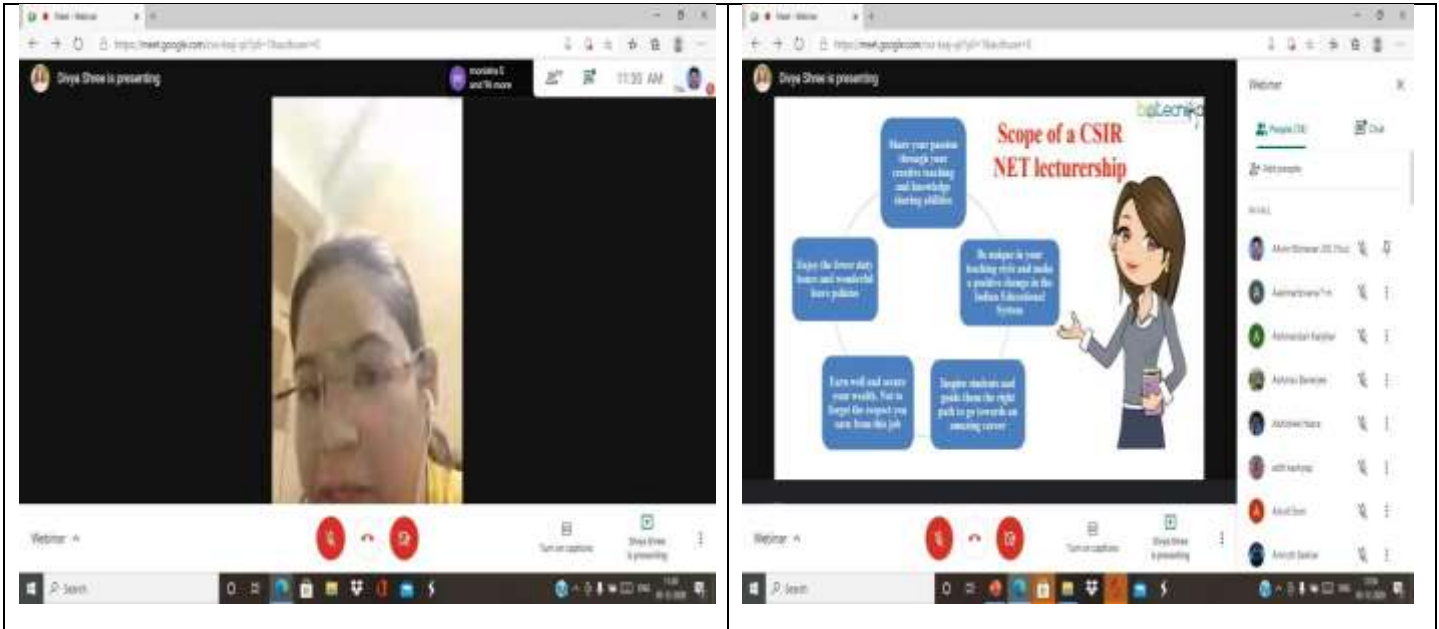
Images:



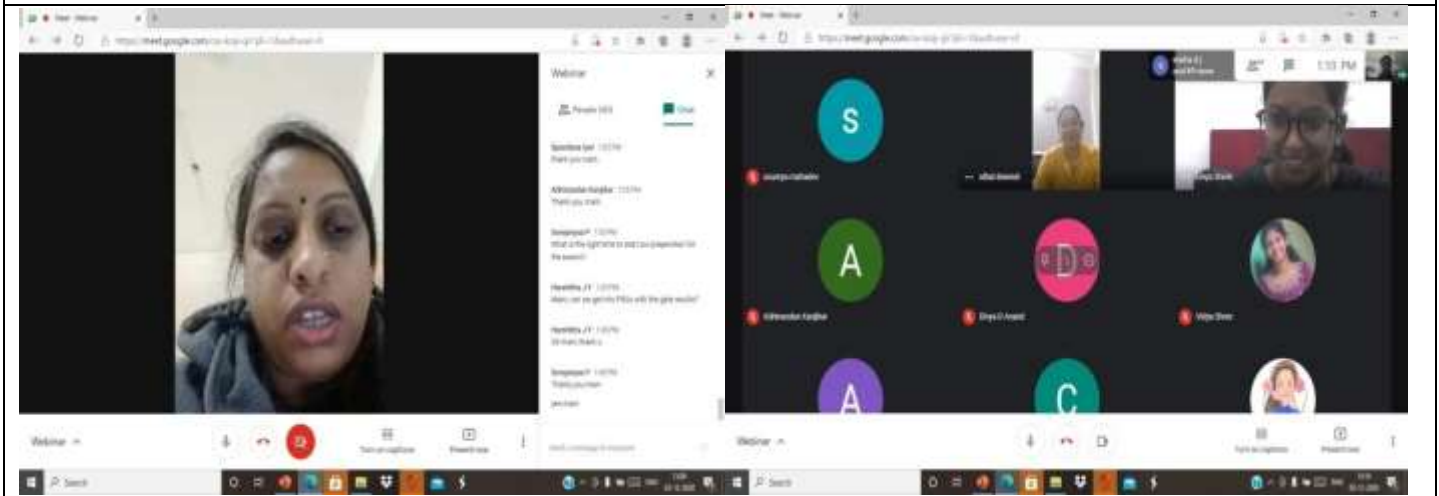


AY: 2020-2021
2020-ODD

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Interaction of speaker during presentation and a slide sample



Interaction of speaker with staff and students during questioning round

Date of Submission: 18/01/2021

Signature of the HOD

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*Type of event/activity	NSS Webinar
Name/Title of the Activity/Event	“World Soil Day”
Date of Organization	07-Dec-2020
Venue (with address)	Department of Biotechnology (SCE)
Organized by	Prof. Prashanth Kumar H. P. (Convener, HASIRU) and Dr. Tulsidas D (NSS program officer) Co-ordinator: Dr. Chethana K R and Prof. Ramya D L
Objectives of the event/activity	To discuss on : <ul style="list-style-type: none"> • Keep soil alive, protect soil biodiversity • Raise awareness of the importance of maintaining healthy ecosystems and human well-being • Addressing the growing challenges in soil management, fighting soil biodiversity loss • Increasing soil awareness and encouraging governments, organizations, communities and individuals around the world to commit to proactively improving soil health.
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	50+ participants
Mention organized /participated/attended	Organized

Event Description:

The Department of Biotechnology organized NSS online program on “World Soil Day” under the banner of The Institution of Engineers (India) Student chapter on 07-Dec-2020 in association with Shristi Forum, BT and NCC committee, SCE.

The session was open for the students. The resource person for the talk was

Ms. Anjali Ramachandra, Co-Founder, Avani Green Factory, Founder Director, Kreatix Media, Bengaluru.



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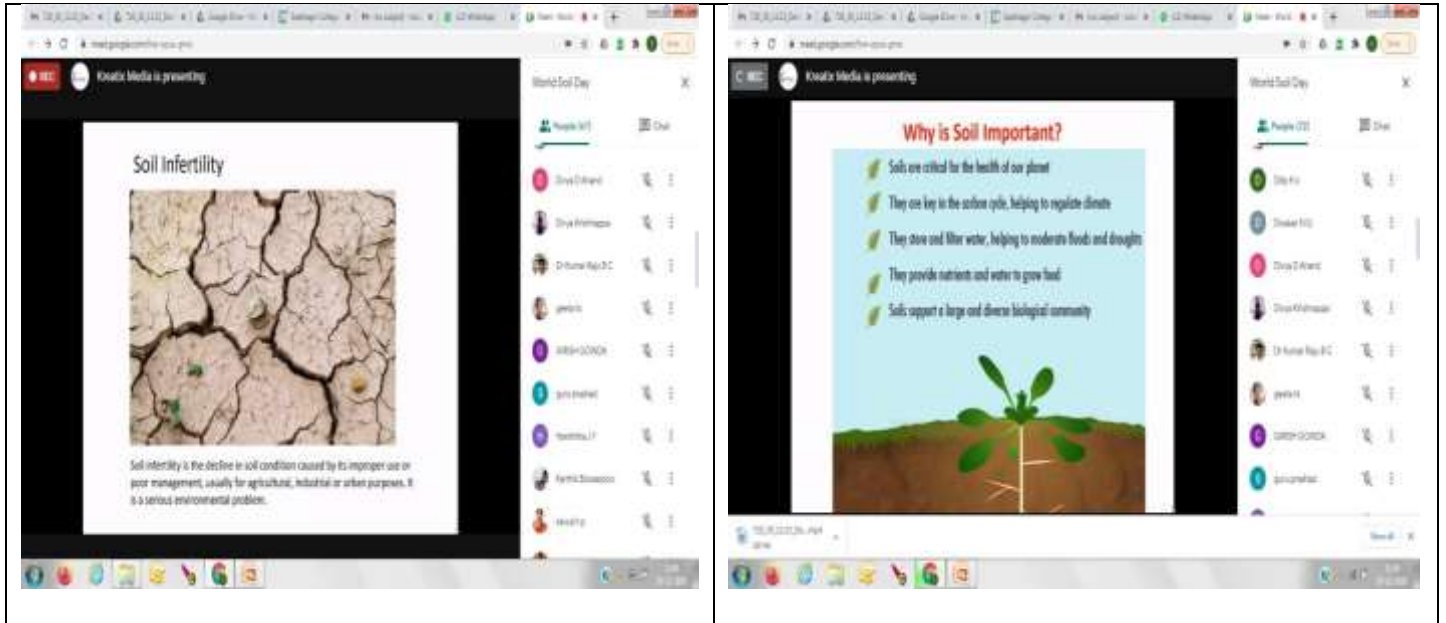
AY: 2020-2021

The Aim & objective of the program is to make understand and provide information regarding –

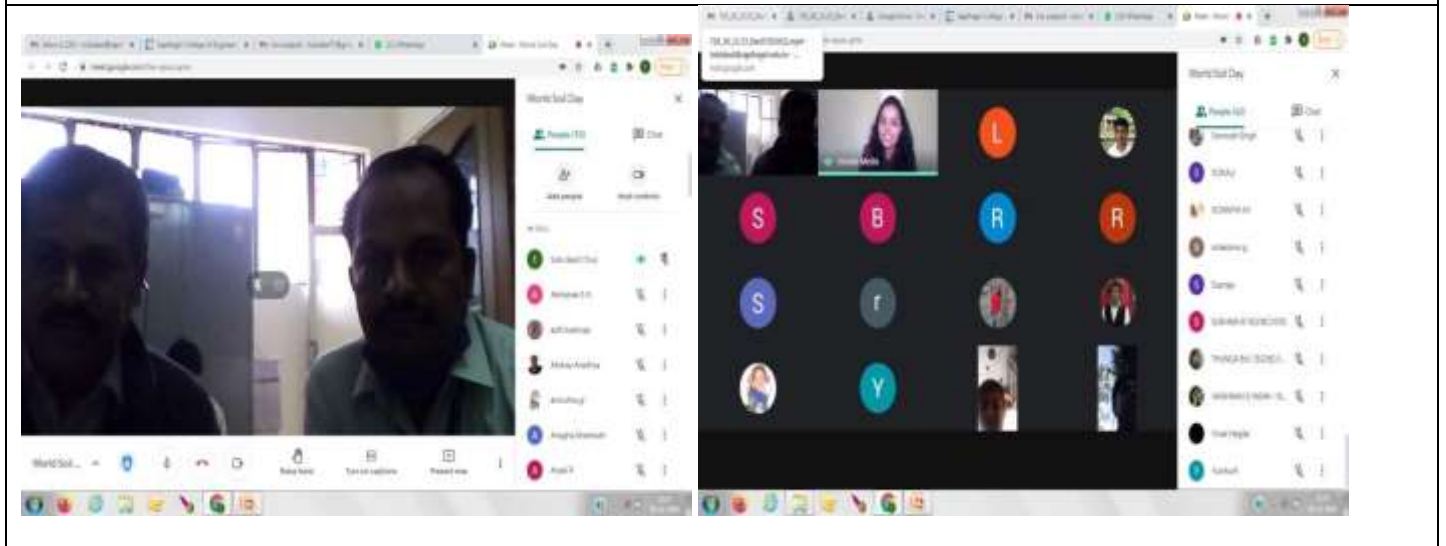
- The theme of World Soil day 2020, according to the Food and Agriculture Organization (FAO) campaign, is “Keep soil alive, protect soil biodiversity”.
- By encouraging people around the world to engage in proactively improving soil health, the campaign aims to fight soil biodiversity loss.
- If the fertility of the soil is not ensured, it could threaten global food supplies and thereby food safety.
- According to FAO, the campaign aims to raise awareness of the importance of maintaining healthy ecosystems by addressing the growing challenges in soil management, fighting soil biodiversity loss and encouraging governments, organisations, communities and individuals around the world.

Talk is conducted through Zoom meeting; it had an interactive session where the queries were answered by the resource persons. About 50+ participants attended the orientation talk. It was an enlightening and fruitful session.

Images:



Slides shared by Speaker during presentation



Interaction of speaker with co-coordinators and participants

Date of Submission: 18/01/2021

Signature of the HOD

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*Type of event/activity	Faculty Development Program (Virtual)
Name/Title of the Activity/Event	Trends in Computational Biology
Date of Organization	9th-13th December 2020
Venue (with address)	Department of Biotechnology (SCE) Google Meet
Organized by	Convener: Prof. Prashanth Kumar H. P. Co-ordinator: Dr. Shobha G. and Dr. Soumya C.
Objectives of the event/activity	The FDP provide better insight on basic understanding of computational biology and its application in ligand and protein interaction, drug design and modeling
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	98 participants
Mention organized /participated/attended	Organized

Event Description:

The Department of Biotechnology organized five-day **Faculty Development Program on “Trends in Computational Biology”** from for a period of 5 days from 9th to 13th December 2020 by virtual mode.

Scope and Outcome of FDP program was that Computational biology is different from biological computing, which is a subfield of computer science and computer engineering using bioengineering and biology to build computers. Also, it is similar to bioinformatics, which is an interdisciplinary science using computers to store and process biological data. The five-day FDP provide better insight on basic understanding of computational biology and its application in ligand and protein interaction, drug design and modeling.

Five eminent speakers presented their valuable expertise scientific talk for five consecutive days as follow:

Day 1: 9th Dec 2020 (Wednesday)



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“Futuristic Trends in Genomics”, where Mr. Das highlighted on the gut microbiome and proteomics.

Day 2: 10th Dec 2020 (Thursday)

Dr. Farhan Zameer Assistant Professor, Dayananda Sagar University (DSU), Bangalore addressed the session by explaining the “**Experimental Models to Decipher the Microbiome Code**”.

Day 3: 11th Dec 2020 (Friday)

Dr. Sushil Kumar Middha, Associate Professor, Dean (Research, Maharani Lakshmi Ammanni College for Women, Bangalore, discussed on “**Molecular Docking- A Case Study**”.

Day 4: 12th Dec 2020 (Saturday)

Dr. Sinosh Skariyachan, Assistant Professor, Department of Microbiology, St. Pius X College Rajapuram, Kasaragod, Kerala, shared his views on his recent research on “**Computer Assisted Virtual Screening of Potential Therapeutic Targets of SARS CoV-2: Screening of Putative Lead Molecules Against COVID19**”.

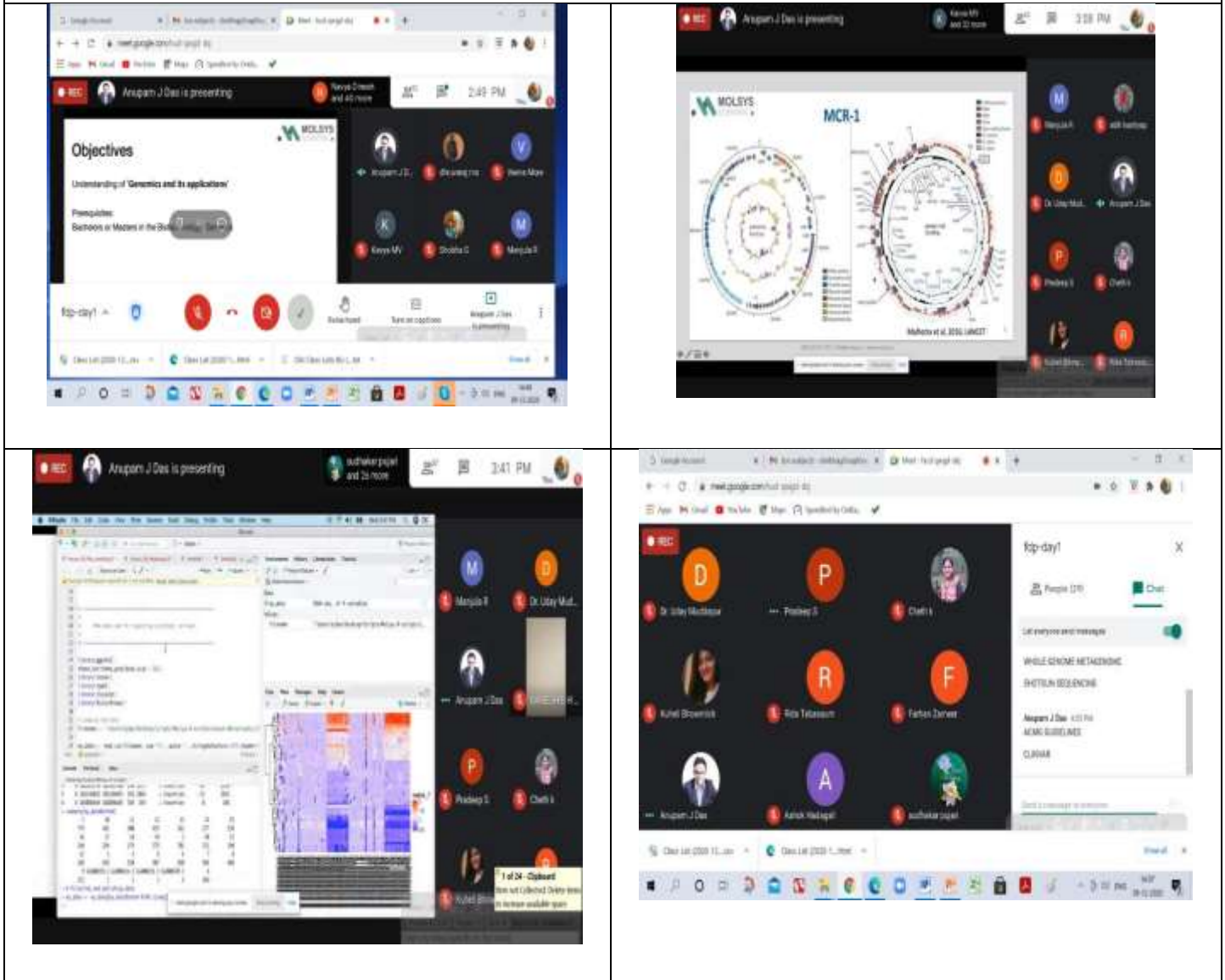
Day 5: 13th Dec 2020 (Sunday)

Dr. Naga Sridhar Betrapally, Senoir Research Associate, George Washington University, USA, gave valedictory talk on “**Challenges of Multidrug resistance – Perspectives and approaches using computational Methods**”.

Program comprised of various topics, revolving around computational biology which involved biological sequence analysis, experimental lab animal models *in vivo* and *in silico* data analysis, microbiome gut environment, molecular modeling & dynamics, Next Generation Sequencing (NGS) etc. FDPs motto is to enhance the skill of academicians to know more about advancement in expertise field. This was a great open platform for more discussion about scientific research and intellectual knowledge in field of computational biology. Layout of the program was well organized with all events was technically scheduled and involvement of participants was well achieved by direct interactions. Huge response was rendered by 80 plus participants who were faculty members and research scholars of diversified departments as biotechnology, computer science, chemistry and agricultural sciences. All noteworthy speakers were professors, industry personnel who are from prestigious institution and renowned industry.

Images:

Galleria of FDP (Day 1 Session)

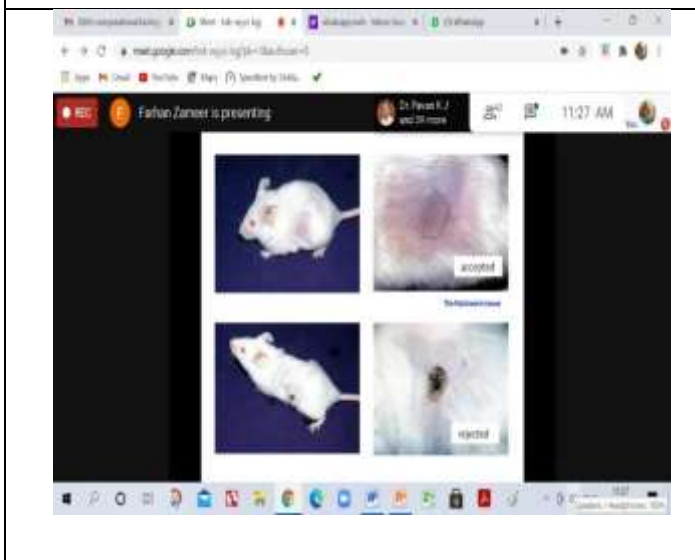
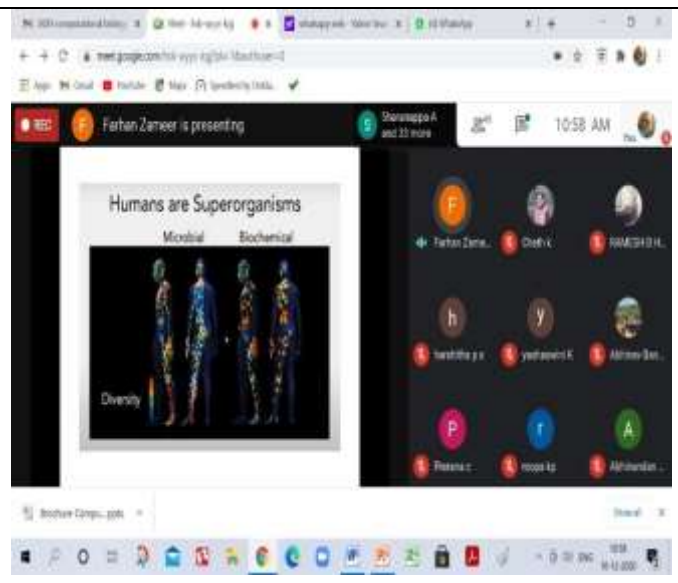


Day 1: 9th Dec 2020 (Wednesday)

Mr. Anupam J Das, CEO and Co-founder, Molsys Private Limited delivered a talk on Futuristic Trends in Genomics



Galleria of FDP (Day 2 Session)



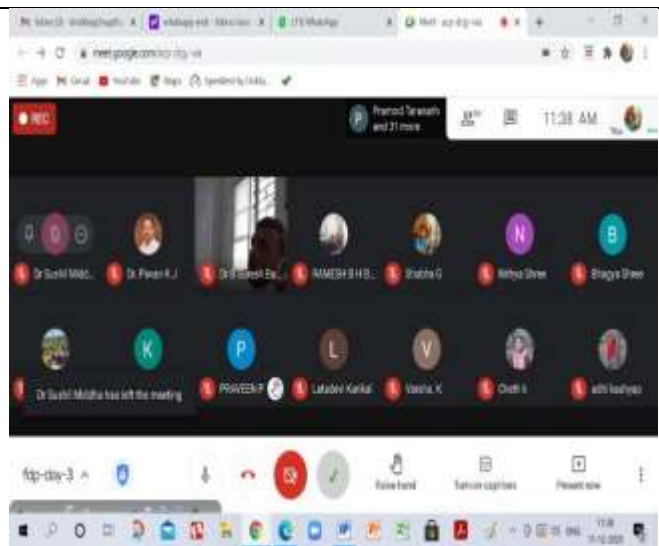
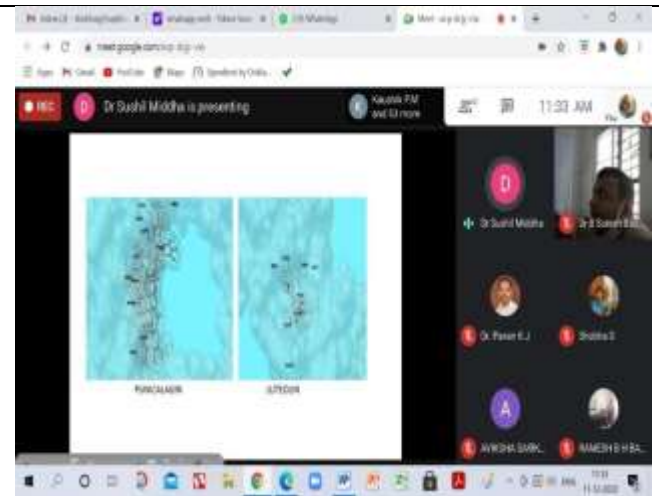
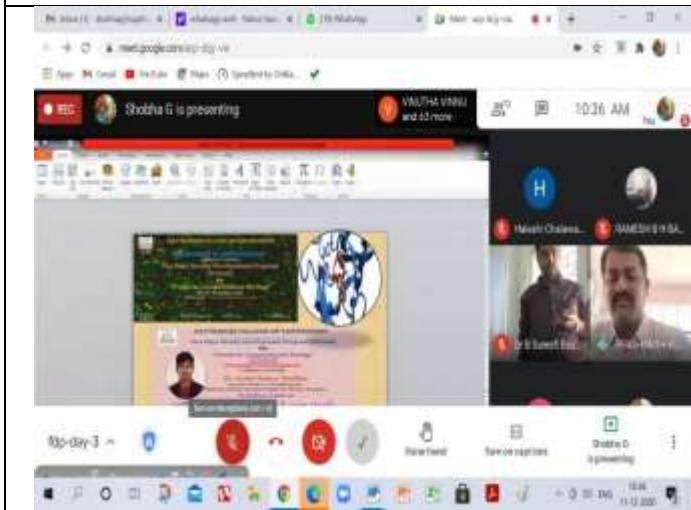
Day 2: 10th Dec 2020 (Thursday)

Dr. Farhan Zameer Assistant Professor, Dayananda Sagar University (DSU), Bangalore addressed the session by



explaining the Experimental Models to Decipher the Microbiome Code.

Galleria of FDP (Day 3 Session)



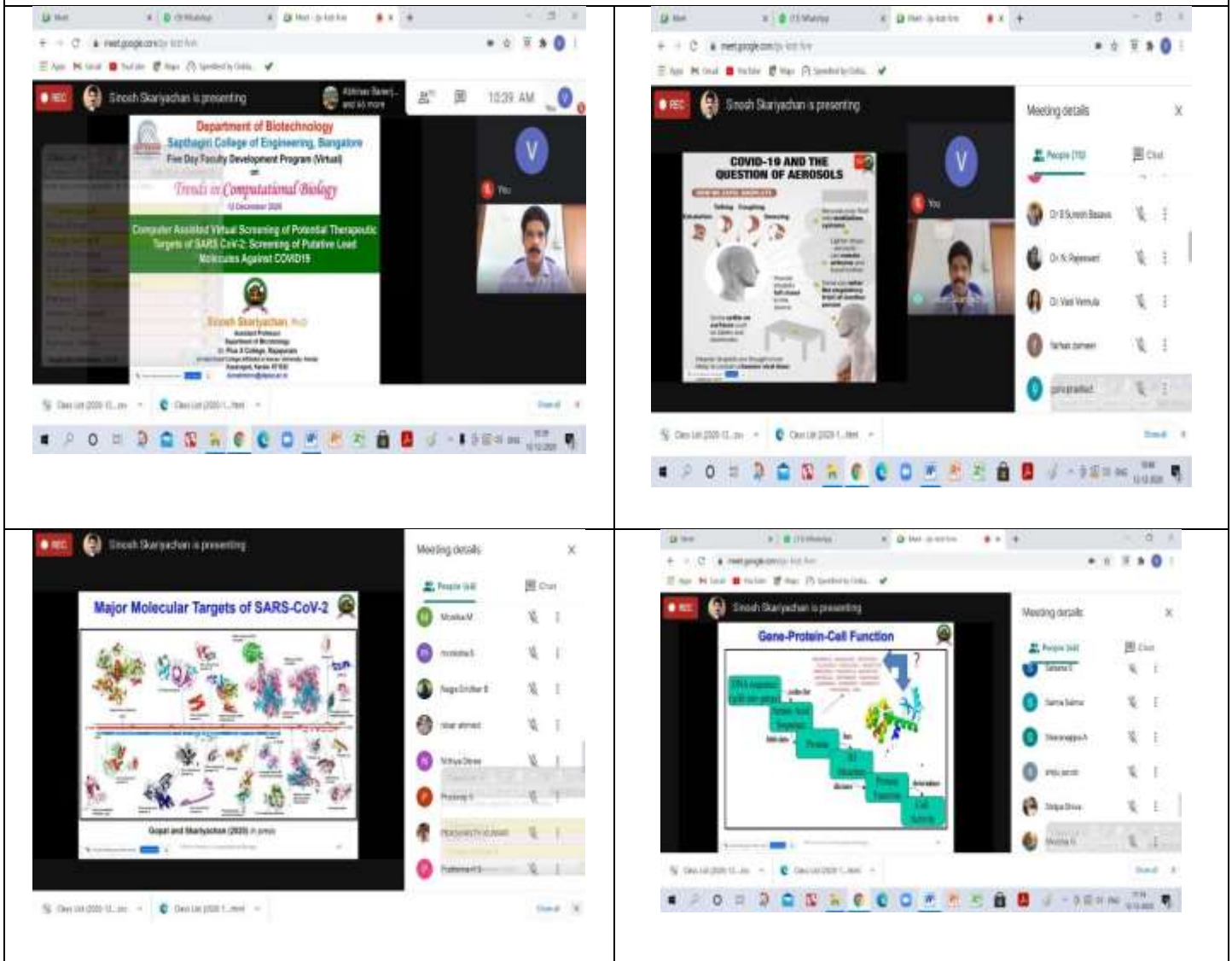
Day 3: 11th Dec 2020 (Friday)

Dr. Sushil Kumar Middha, Associate Professor, Dean(Researc , Maharani Lakshmi Ammanni College For Women,



Bangalore, Molecular Docking a Case Study.

Galleria of FDP (Day 4 Session)



Day 4: 12th Dec 2020 (Saturday)

Dr. Sinosh Skariyachan, Assistant Professor, Department of Microbiology, St. Pius X College Rajapuram,



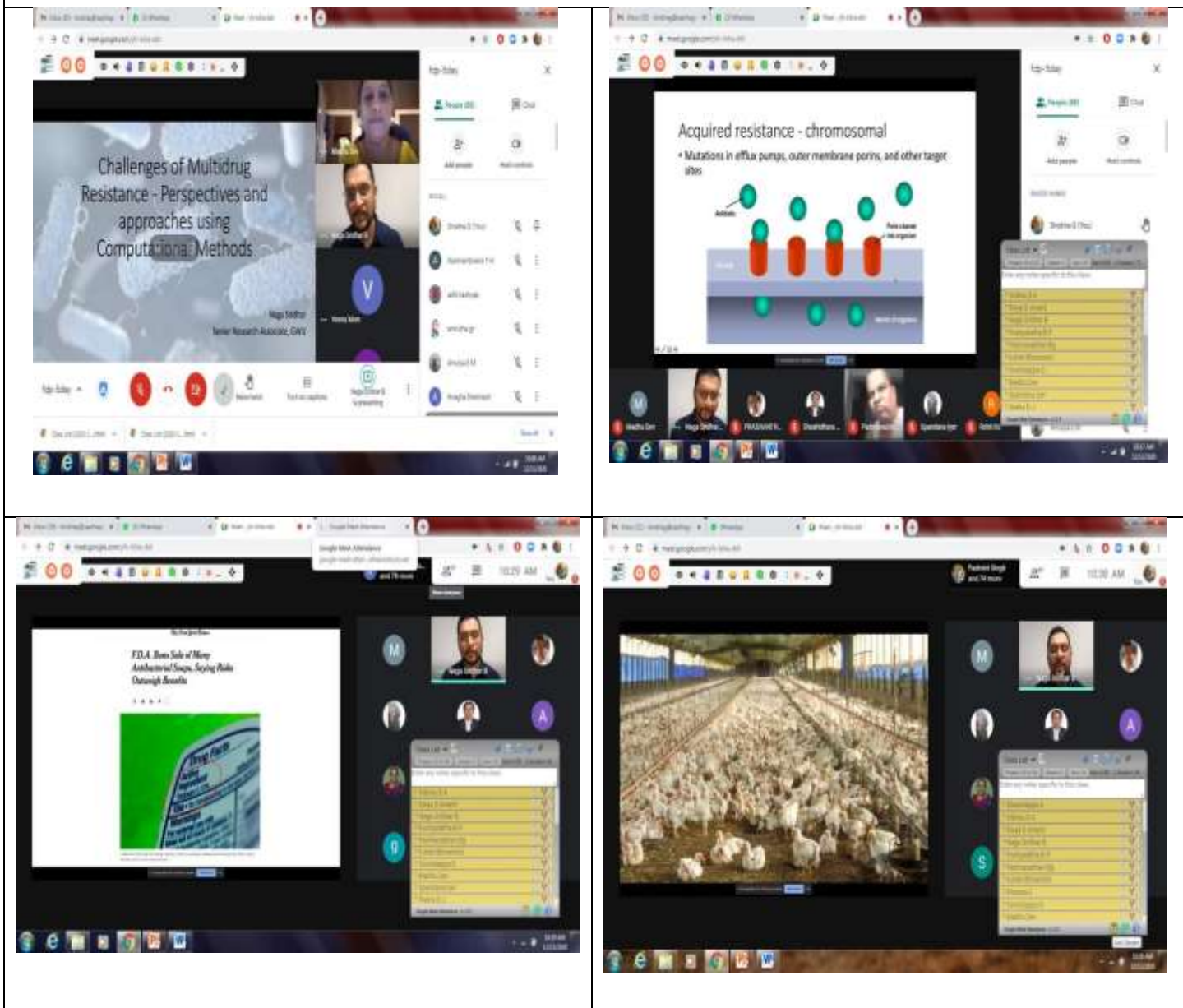
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Kasaragod, Kerala, Computer Assisted Virtual Screening of Potential Therapeutic Targets of SARS CoV-2: Screening of Putative Lead Molecules Against COVID1

Galleria of FDP (Day 5 Session)





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Day 5: 13th Dec 2020 (Sunday)

Dr Naga Sridhar Betrapally, George Washington University, USA, Challenges of Multidrug resistance – Perspectives and approaches using computational Methods

Galleria of FDP (Valedictory)





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Note:

(i) After every event, please take feedback (online/offline).

Time stamp	Email Address	Score	NAME	COLLEGE/UNIVERSITY	DEPARTMENT	Sri. Anupam Dasan	Dr. Farahan Zambeer	Dr. Sushil Kumar Midha	Dr. Sinosh Skariyachan	Session of Dr. Naga Sridhar Betrapally	Experience of the FDP on "TRENDS IN COMPUTATIONAL BIOLOGY"	Any other suggestions
12/12/2020 18:17:07	shobhag@sapthagiri.edu.in	0	Dr. Shobha G	Sapthagiri college of engineering	bt	5	5	5	5	5	5	good
12/13/2020 11:54:37	drbssmg@gmail.com	0	Dr Suresh B	Bapuji Institute of Engineering and Technology	Civil Engineering	4	4	4	4	4	4	Congradulation thats all
12/13/2020 11:56:48	chethanagr@sapthagiri.edu.in	0	Dr. Chethana K R	Sapthagiri College of Engineering	Department of Biotechnology	5	5	5	5	5	5	Very informative and excellent presentation
12/13/2020 11:57:30	ashwiniathval@gmail.com	0	Ashwini M	Bangalore University	Department of Microbiology and Biotechn	4	3	3	4	4	4	It is a good program to learn computational biology

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					ology							
12/13/ 2020 11:57: 41	hdp@sit.ac.in	0	Dr. Harish Phattepur	Siddaganga Institute of Technology, Tumakuru	Chemical Engineeri ng	4	5	5	5	5	5	Very well organised
12/13/ 2020 11:57: 49	baharasmg@gmail. com	0	Dr. RAMESH BH	HPPC GOVT. FIRST GRADE COLLEGE CHALLAKERE- 577522	BOTANY	5	5	5	5	5	5	nice organizatio n
12/13/ 2020 11:57: 53	rpais@dsu.edu.in	0	Roshan Pais	Dayananda Sagar University	School of Basic and Applied Sciences , BT	3	5	3	5	5	4	Looking forward for workshop for faculties hands on experience
12/13/ 2020 11:57: 59	shashi2k4@gmail.c om	0	Dr. Shashidhara KS	College of Agriculture, Hassan. University of Agricultural sciences, Bangalore	Genetics and Plant Breeding	4	4	5	5	4	5	You can go for poster sessions
12/13/ 2020 11:58: 05	nivedithabtdubot@ gmail.com	0	NIVEDITHA B T	Davangere University ,Shivagangothri , tolahunse, Davangere	DOS in Botany	5	5	4	5	5	5	Well organised.. . Vry informative ...keep organising this type of



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												fdps in the future
12/13/2020 11:58:32	anilkumar.hs17@gmail.com	0	ANIL KUMAR H.S	Davangere University	Botany	5	5	5	5	5	5	No
12/13/2020 11:59:02	haleshi.chalawadi@gmail.com	0	Dr. Haleshi C	Department of Botany Davangere University Davanagere	Botany	4	3	3	4	4	4	Yes, it's good, I hope you will continue this type of webinars in future
12/13/2020 11:59:21	ramya.dlr@gmail.com	0	RAMYA D L	Sapthagiri College of Engineering	Biotechnology	5	5	5	5	5	5	Thanks for all the wonderful sessions
12/13/2020 13:02:53	shivukandkur2020@gmail.com	0	Mr. Shivabasappa	College of Agriculture, Karekere, Hassan-573225	Department of Agricultural Engineering	5	5	5	5	5	5	Looking forward for such fruitful trainings in future
12/13/2020 13:03:58	madhushree86@gmail.com	0	Madhushree	Sapthagiri college of Engineering	Computer Science & Engineering	5	5	5	5	5	5	Session was good
12/13/2020	jmahadev999@gmail.com	0	Dr.J.Mahadeva	College of Agriculture.Univ	Forestry and	4	4	4	4	4	5	Very good webinar



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13:06:01				ersity of Agriculture Science.GKVK. Bangalore	environm ental science							
12/13/2020 13:06:52	chandradasms@gmail.com	0	Dr. Chandraprasad MS	BMS College of Engineering	Biotechn ology	4	5	4	4	5	5	Overall, it was good
12/13/2020 13:11:12	vidyavaishu19@gmail.com	0	S Vidya Vaishnavi	The Oxford College of Engineering	Biotechn ology	5	5	5	5	5	5	Thank you for the wonderful sessions.
12/13/2020 13:24:49	shajapatil@gmail.com	0	Dr. Sharangouda J. Patil	Garden City University, Bangalore	Life Sciences	5	5	5	5	5	5	We need hand on workshop i future
12/13/2020 14:07:05	jayashreedr2012@gmail.com	0	Dr. Jayashree D R	Ramaiah College of Arts, Science and Commerce	Biotechn ology	5	5	5	5	5	5	Nice session we expect the same in future
12/13/2020 14:15:49	thriveniv@acharya.ac.in	0	Dr. Thriveni Vasanthkumar	Acharya institute of technology	Biotechn ology	5	5	5	5	5	5	Very good knowledge series



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(ii)At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3	3	2	3	3	2	-	1	2	3	2	3

Date of Submission: 18/01/2021

Signature of Convener: Prof. Prashanth H P

Signature of Co-ordinators: Dr. Shobha G.

Dr. Sowmya C.

Signature of the HOD



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