Event Category : Faculty Development Program

Event Name: " Computing constructs for
                        Biology"

Date: 04th to 08th October 2021.

National Education Society (R.)
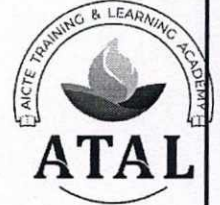
J N N College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC – 'B',
UG Programs: CE, ME, EEE, ECE, CSE, ISE, TCE accredited by NBA: 1.7.2019 to 30.6.2022,
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)

Department of Information Science and Engineering

Report

on

5-DAY ONLINE FACULTY DEVELOPMENT PROGRAM FUNDED BY AICTE ATAL ON

"Computing Constructs for Modelling Biology"

4th - 8th October 2021

SPEAKERS

Dr. Deepali Gupta		
	Professor Research in Chitkara University Research and Innovation Network (CURIN) at Chitkara University, Punjab, India.	Her fields of interest include Software Engineering, Cloud Computing, Machine Learning and BlockChain. **She has received Research Excellence Awards for patent filling and publications in the year 2020 and 2021 as well.**
Dr. Nitin Varma		
	Professor, Visiting Faculty IIM Ranchi & Independent Consultant.	Management Areas: Analytics | Strategy | Marketing | Finance | HR Technology Areas: Computational Biology | Quantum Computing | Data Science | Analytics | Artificial Intelligence Domains: Smart Cities | Start-ups | Education | Research & Writing | Entrepreneurship
Dr. Sreepathi L K		

GIRISH MANTHA,
B.E..M.Tech.(CS)
Asst. Prof., IS&E Dept.
JNNCE, Shivamogga.

	President KRVP Shimoga, Rtd Professor and Vice Principal JNNCE Shivamogga.	Areas of interests are bio fuel conversion, green architecture, solar energy, Rain water harvesting, Science education & Career Guidance

Appendix A : Detailed Profiles of Resource Persons

Schedule of the Workshop

AICTE Training and Learning (ATAL)
Faculty Development Programme
On
"Computing Constructs for Modelling Biology"
4th – 8th October -2021

Programme Details

- **Mode of conduction: ONLINE**
- **Google Meet Link to Join :** https://meet.google.com/vyj-fguo-ynm

Day and Date	9.30 AM to 11.00AM		11.30AM-1.00 AM		2.00 PM -3.30 PM
04-10-2021 Monday	Inauguration & Key Address (Dr. Deepali Gupta, Professor, Chitkara University, R&I Network)		Overview **Introduction to Computational Biology** Dr Nitin Varma		Overview **Current Ecosystem of Computational Biology** Dr Nitin Varma
05-10-2021 Tuesday	Working Details **Key Algorithms and Applications** Dr Nitin Varma	TEA BREAK	Working Details **Mathematics for Computational Biology** Dr Nitin Varma	LUNCH BREAK	**Humanitarians Session** Dr L K Sreepathi
06-10-2021 Wednesday	Software **Software Resources for Computational Biology** Mahesha BR Pandit		Software **Introduction to BioPython** Dr Nitin Varma		Case Studies **Relevant Case Studies** Dr Nitin Varma
07-10-2021 Thursday	Limitations **Limitations and Failures of Computational Biology** Dr Nitin Varma		Industry **Computational Biology Start-ups** Dr Nitin Varma		*Future Focus* **Future of Technology for Computational Biology** Dr Nitin Varma
08-10-2021 Friday	**The Examination**		*Innovation* **Innovation Strategies for Computational Biology** Dr Nitin Varma		*Conclusion* **Results, Feedback, Q&A** All Resource Persons

Inauguration:

The inauguration was held on 4th October 2021 online at 10:00 am. Chief Guest of the program was Prof. Dinanath Kholkar, Vice-President & Global Had, Analytics & Insights, TCS , Guest of Honour of the function were Prof. Anil D. Sahasrabudhe, Chairman AICTE and Mamta R Agarwal. Advisor-1 AICTE and AICTE official were also present with the participants.

Mamta R Agarwal, Advisor-I, AICTE Welcomed the everyone present online. Prof. Anil D Sahasrabudhe, Guest of Honor Chairman, AICTE Highlighted various schemes of AICTE and Implementation of NEP. Chief Guest Dinanath Kholkar, Chief Guest, Vice-President & Global Head, Tata Consultancy Services addressed the gathering and he highlighted gathering on evolving trends, disruptive technologies, changing

job scenarios, academia-industry linkage, and translating research into impactful applications. At the end Dr. Amit Dutta Deputy Director, AICTE ATAL Academy gave vote of thanks.

List of Participants

#	Name	Email	Phone
1	Mr. Sharath Kumar S R	sharathkumarsr@jnnce.ac.in	9964111143
2	Mr. girish mantha	girish.mantha@gmail.com	8660064490
3	Mrs. Ashwini S R	srashwini@jnnce.ac.in	9886433003
4	Mr. CHETHAN GS	chethan.gs@jnnce.ac.in	9620437666
5	Mr. Raghavendra R J	raghavendra.r.j@jnnce.ac.in	9900999488
6	Miss DASARI RENUKA	renuka.yadav20@gmail.com	7396966574
7	Mr. Mo Ahamad Khan	ahmadk065@gmail.com	8795361717
8	Mr. Akshay M J	akshaymj@jnnce.ac.in	9743147529
9	Mr. M Pavan	pmadhvesh@jnnce.ac.in	9900448254
10	Mr. Sayed Aftab Ahamed	afis037@jnnce.ac.in	9986117135
11	Dr. K Divakar	kdivak@gmail.com	7075830007
12	Mrs. M Siddeshwari	smyageri111@gmail.com	9611291237
13	Mr. Sushanta Dhar	sushanta.42@rediffmail.com	6009248408
14	Mrs. Prathima L	lprathima5787@jnnce.ac.in	9739537545
15	Dr. Dr.Mallikarjun Bhovi	444suhas@gmail.com	7022522142
16	Dr. Rajashree .P	drprajashree@gmail.com	9176702164
17	Mrs. Helan Satish	helan_satish@vnrvjiet.in	9989969928
18	Dr. Ranganatha S	kamath.ranganath@gmail.com	9964242987
19	Miss Srushti C s	srushtichan@gmail.com	9880391274
20	Mr. BISWAJIT SENAPATI	biswajitkjbj@gmail.com	8280465095
21	Mr. Harisha S	sharish014@gmail.com	9964027241
22	Mr. GUNASEKARA N	gunasekaran.msc@gmail.com	9025004592
23	Mr. V Manohar Nelli	manohar@jnnce.ac.in	9901187617

24	Mr. Hemanth Kumar	hemanthkumar@jnnce.ac.in	9739786070
25	Mr. Santhosh	santhoshsgrao@jnnce.ac.in	7899197522
26	Mrs. Sandhya S V	sandhya.sv@gmail.com	9886421455
27	Mr. Vidyashankar M	vsm_ee@jnnce.ac.in	9538839971
28	Dr. MANJUNATH M S	manju297382@gmail.com	9449080661
29	Mr. Rohit S Malladar	powerohit@gmail.com	9663861707
30	Mr. VISHWAS C.G.M	vishwascgm@jnnce.ac.in	9448768614
31	Mr. Manjunath Kamath K	manjunathkamath@yit.edu.in	9481006666
32	Mr. DINESH KUMAR GAUTAM	dinesh.gau1988@gmail.com	9461101004
33	Mr. Sudeep Manohar	sudeep_mansh@yahoo.com	9481063204
34	Mr. Prabhakaran N	prabhavatar@gmail.com	8277473939
35	Mr. Shrikant Pujar	shrikantpujar@jitd.in	9743147604
36	Mrs. Deepa V B	jnndvb@gmail.com	9964151183
37	Mrs. SHAKUNTHALA B S	shakuisekit@gmail.com	6364753513
38	Mrs. Samara Mubeen	samaramubeen7860@gmail.com	9632968688
39	Mr. NARENDRA KUMAR S	narendra@jnnce.ac.in	9632471667
40	Mr. Sathyanarayana K B	sathyanarayanakb@gmail.com	9902802752
41	Mr. Arun Kumar P	arunkumarp@jnnce.ac.in	9743011472
42	Mr. Pavan Kumar MP	pavankumarjnnce@gmail.com	9844571996
43	Mr. Shivarajkumar Hiremath	shivaraj2323@gmail.com	9538012218
44	Mr. Pandit Giri Mohan Das P. K.	giri28@jnnce.ac.in	9972111107

Feedback :
Feedback by Participants :

JNNCE-ISE-ATAL-FDP-CCMB

Akshay, Arun, Ashwini, Chethan, Deepa, E&E, MCA, MCA, Nari, Nelli, Pawan, Pawan, Prathima, Raghavendra, Samara, Sandya, Sathya, ...

Congrats to the coordinator for such wonderful workshop 👏👏   3:23 pm

🚫 This message was deleted   3:24 pm

I heartily thank Mr. Girish Mantha for organizing a wonderful workshop. 👍

Thanks once again Girish Sir...   3:24 pm
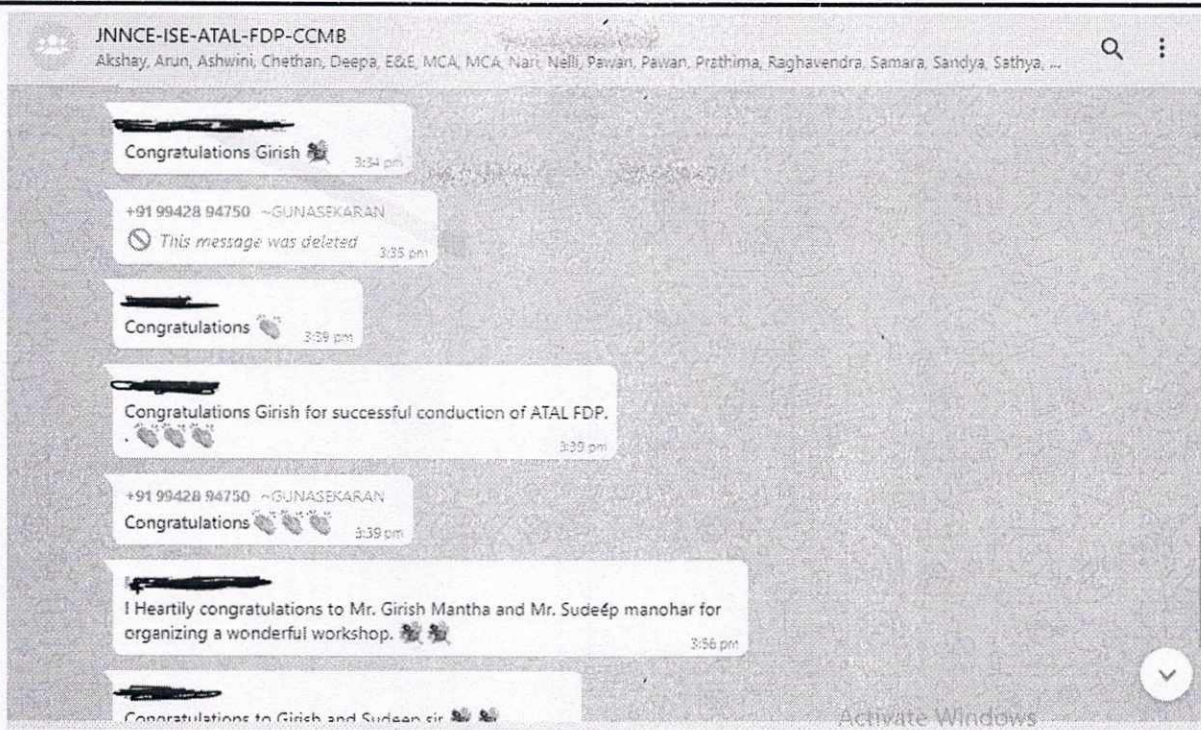
Congratulations Girish for successful conducting ATAL FDP.
thank you for giving me opportunity to attend. 👏👏👏   3:32 pm

congratulations girish 👏   3:32 pm

Congratulations Girish sir 👏👏   3:33 pm

Congratulations girish and team 👏👏   3:34 pm

It was a great Initiative by ATAL Academy. I am thankful to AICTE for giving me this opportunity to conduct online FDP for faculty members of technical institute of India free of cost.

Sessions

Day-1 Session-1 : Keynote address
Speaker : Dr. Deepali Gupta

Speaker Introduced audience with how to come up with hypothesis, like Starting with Experiment, then do the Scientific Research by building customised mathematical models, then arrive at the hypothesis. Later she overviewed about what computational biology consists of like combination of Maths, Statistics, Physics and Computer science. Speaker gave thought on few of the questions Computational biology answers like Why 2 people never look same? Why some people get sick to certain circumstance while others not. Also madam introduced participants with various applications of computational biology.
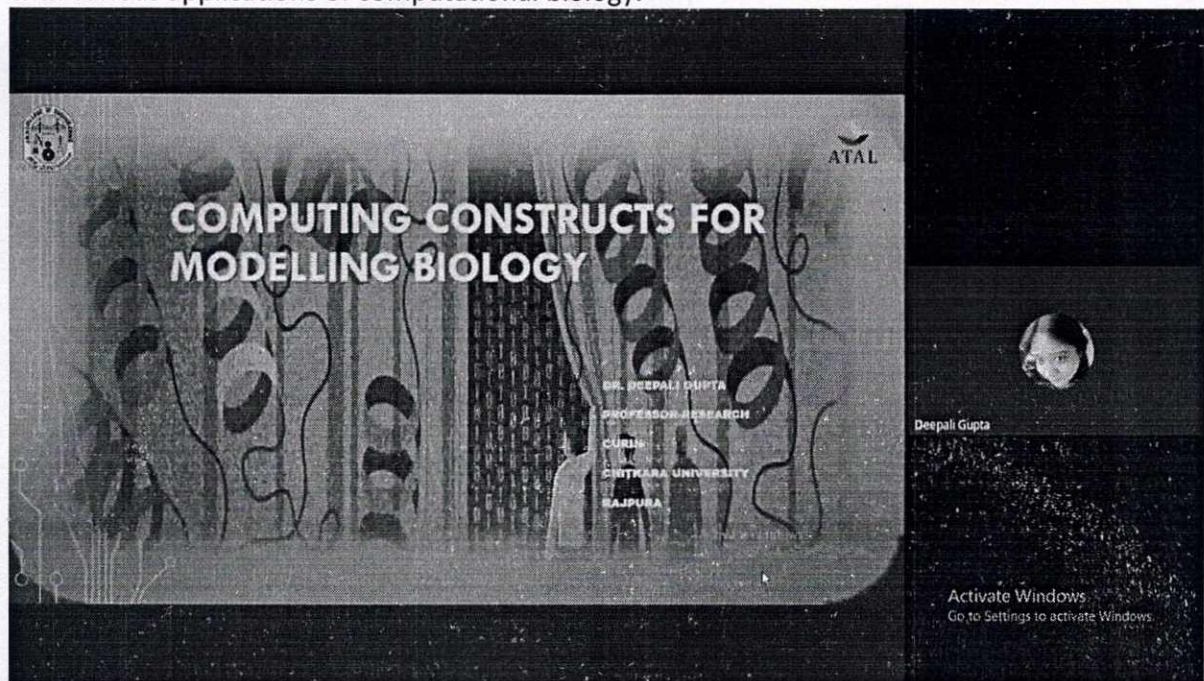
Day-1 Session-2 : Introduction to Computational Biology
Speaker : Dr. Nitin Varma

Gave introduction to Origin and different applications of computational biology. He introduced participants with Various sectors where computational biology can be used. He mentioned tools available for analysing the existing data. How to approach the problems and what now exists.
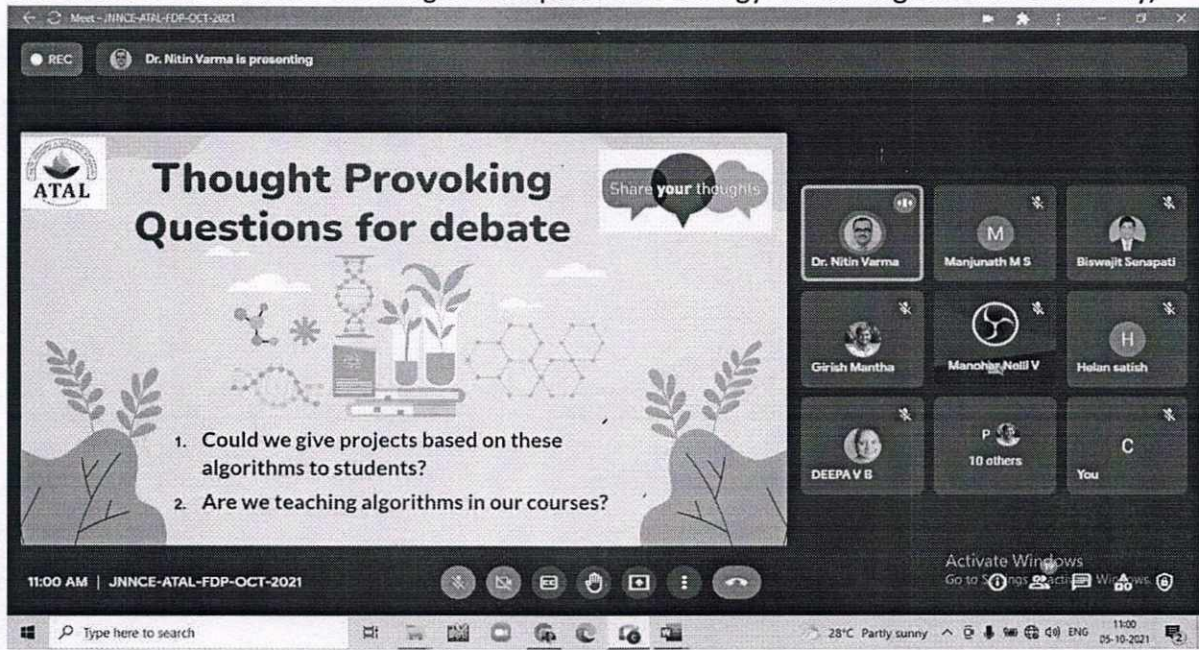

Day-1 Session-3 : Current Ecosystem of Computational Biology
Speaker : Dr. Nitin Varma

Shown different institutes working on Computational Biology like Camegle Melon University,

Harvard, MIT, Cambridge, Stanford University etc. Also Indian universities like IIT Kanpur, IIT Jodhpur, Kasturba University etc. Attitude towards learning new things.
Existing landscape of Computational biology – India and Globally
Education Research and Labs
Attitude Shift

Day-2 Session-1 : Key Algorithms and Applications
Speaker : Dr. Nitin Varma
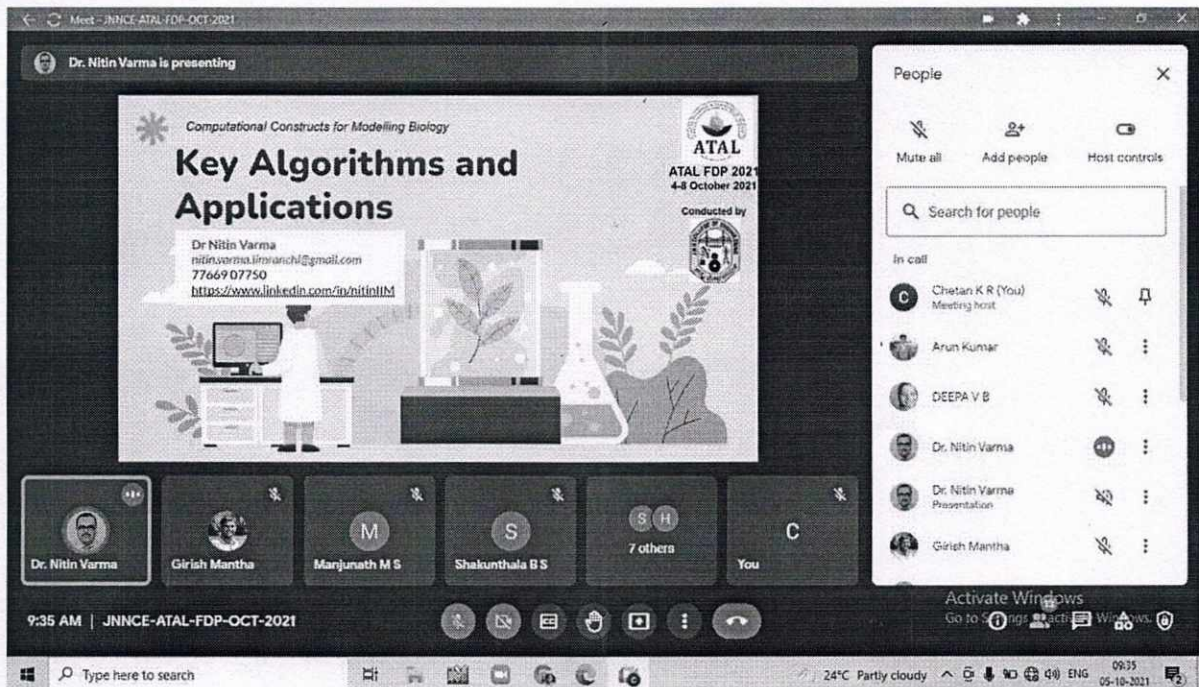
Relations between Biological concepts and Computer Science concepts. Codon and Anticodons and how they are generated, RNA and mRNA mutations. Biological and Computer Networks. DNA Replication Algorithms. Various Algorithmic types.

Day-2 Session-2 : Climate Change and Ghandian Philosophy
Speaker : Dr. L K Sreepathi

Dr sreepathi LK, started with how Disruption of Natural Cycles due to human activities, Various calamities happening. What is special about mother earth? Causes of Global Warming and there understanding. Evidences of Global Warming. Impact of Climate Change. Ghandian Philosophy a solution for Climate Change. Life lessons from Ghandi about how we should live and What is solutions. Concluded with Seven Sins of Humanity told by Ghandi.
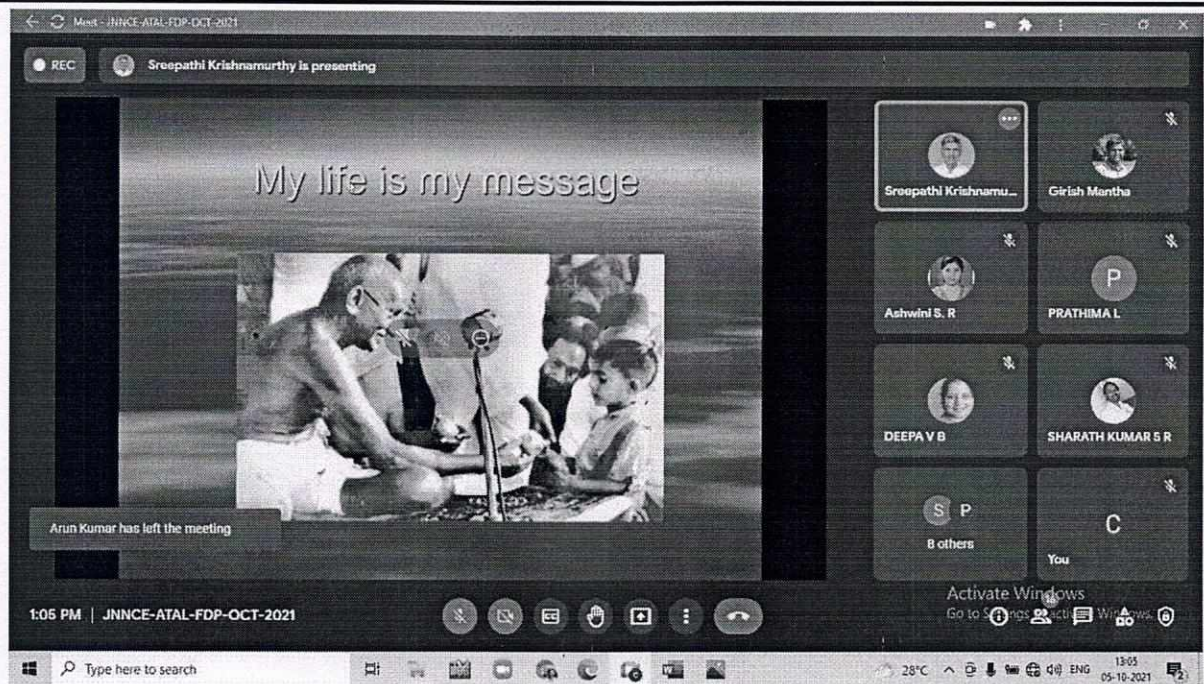
Day-2 Session-3
Topic : Mathematics for Computational Biology
By : Dr. Nitin Varma
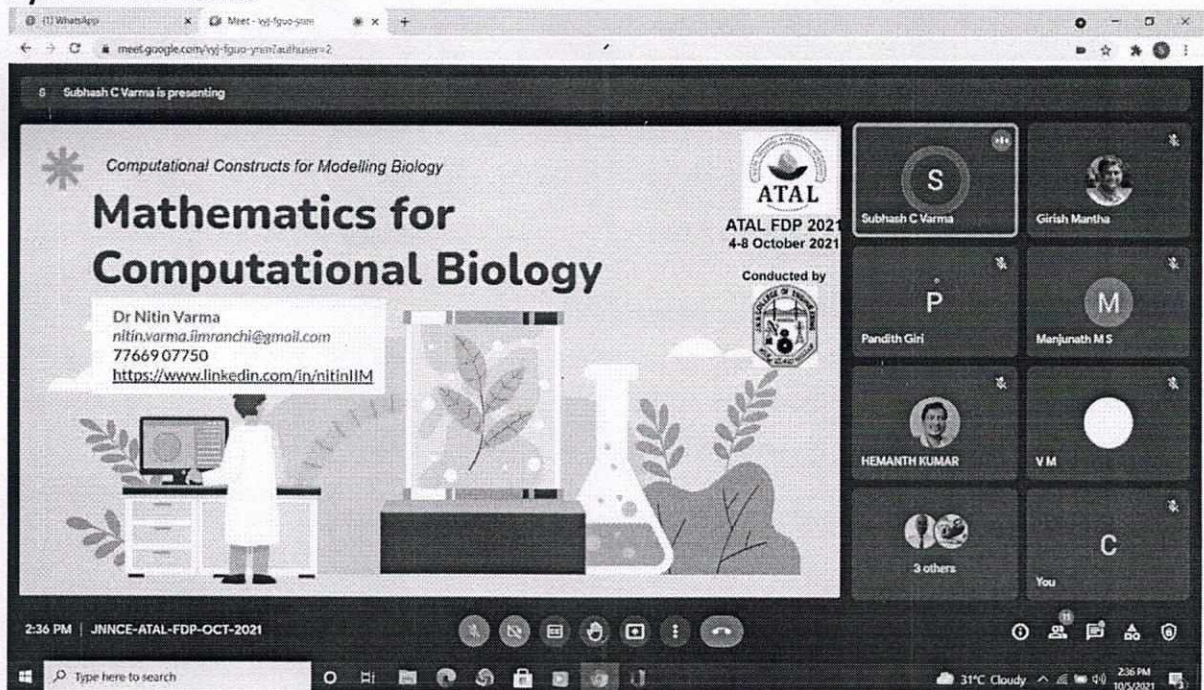
Mathematics Toolkit, Stochastic Process

Day-3 Session-1
Topic : Software Resource for Computational Biology

Encyclopaedia of DNA. ENCODE Resources for colleting DNA. Software tools like MEGA,
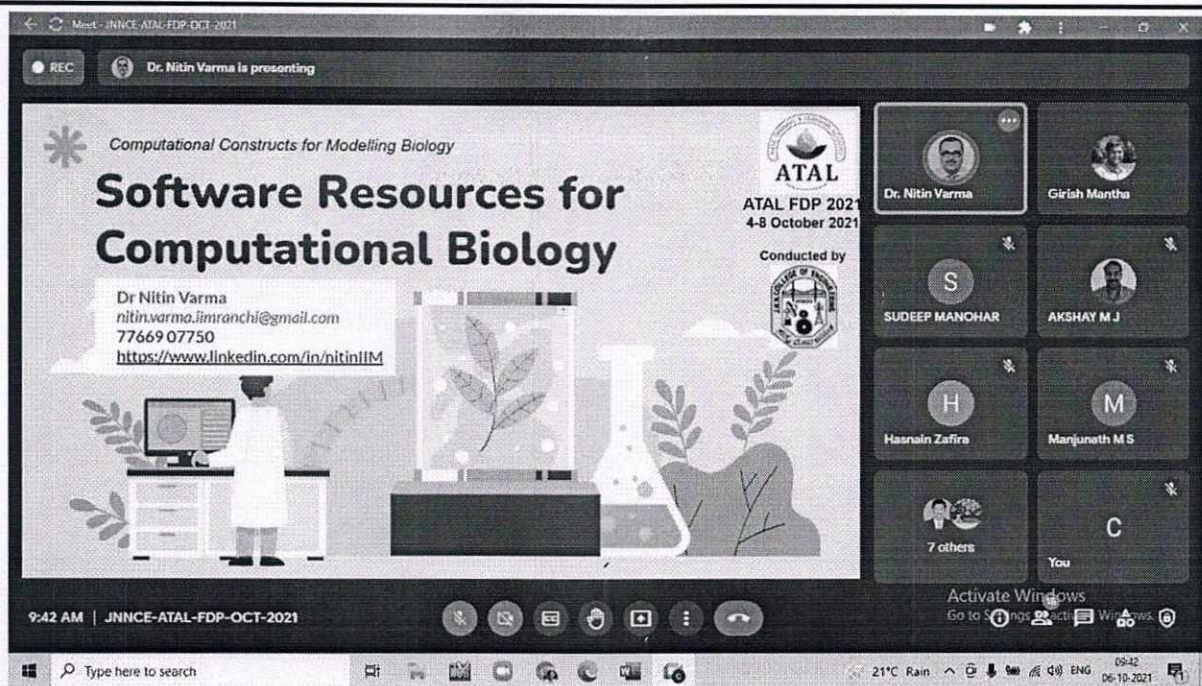
Day-3 Session-2
Topic : Introduction to Python for Biologists (Bio Python)
Tutorial for using Bio-Python for programmers. Various methods for Manipulating gene sequences. Gen Bank, BLAST results.
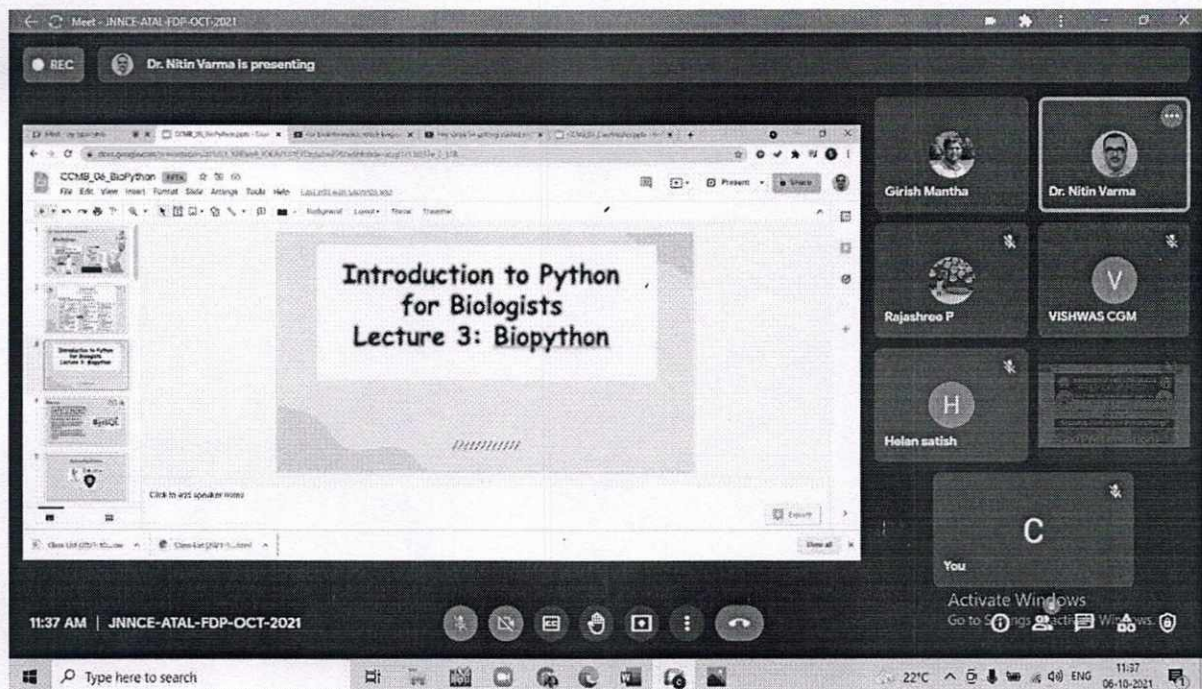
Day-3 Session-3
Topic : Case studies in Bio-Python

Covid-19 Case study using Bio-Python and R Language. Protein Analysis of Covid-19 Using Bio-Python.

Day-4 Session-1
Topic : Failures and Limitations of Computational Biology

Protein Sequence and Structures design over the years, Different versions, and difference between them. Failure of google flue. Problems of Big Data with will affect computational biology. Biocomputing II, the Science, and art of Debugging.

Day-4 Session-2
Topic : Start-ups in Computational Biology

Next Industrial revolution and Bio startups. Most profitable BioTech Business Ideas. Various startup ideas.
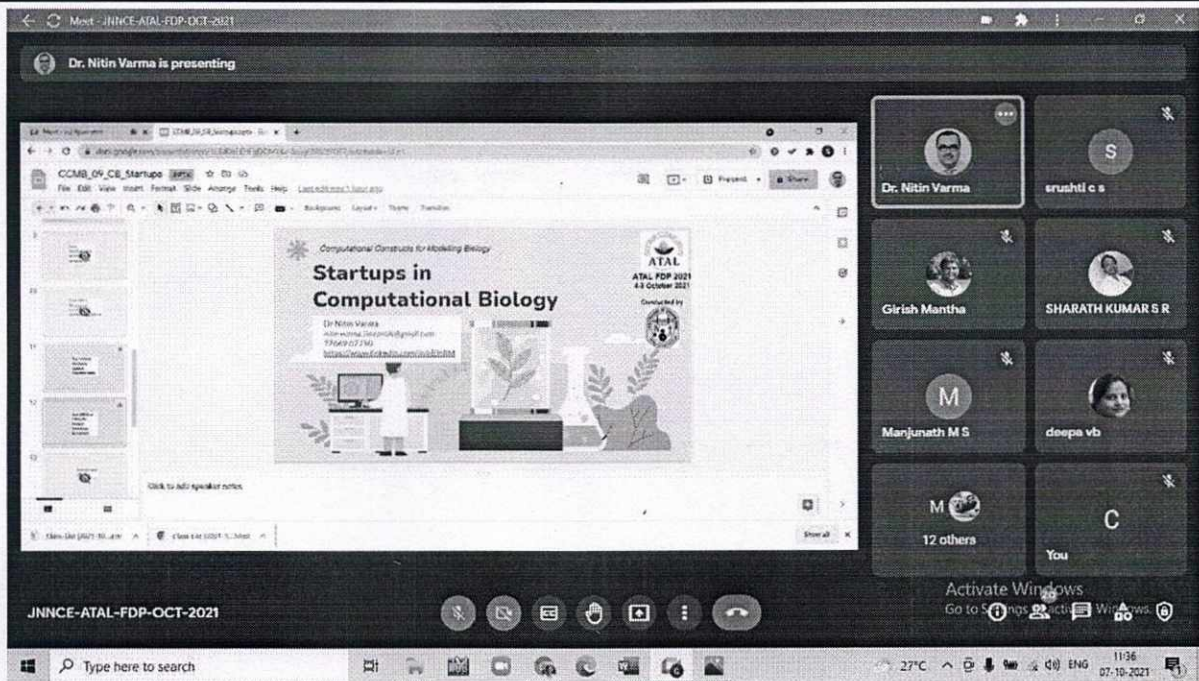
Day-4 Session-3
Topic : Future of Technology for Computational Biology

Future of Biotechnology, Next Software Revolution is using Biological Programming. Biographication. Biofabrication, Organic Computing, Bio-Chips, Geno-CAD, Nano Computing
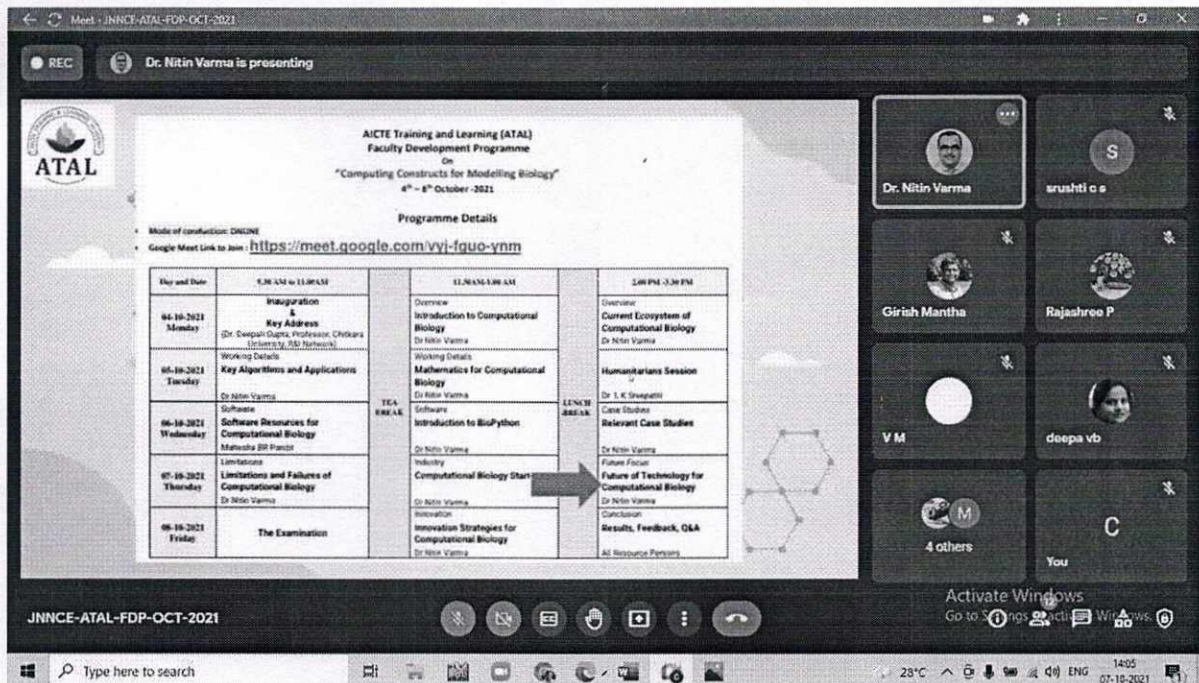
Day-5 Session-2
Topic : Innovation Strategies for Computational Biology.

Motivational Videos about case studies in Computational Biology.
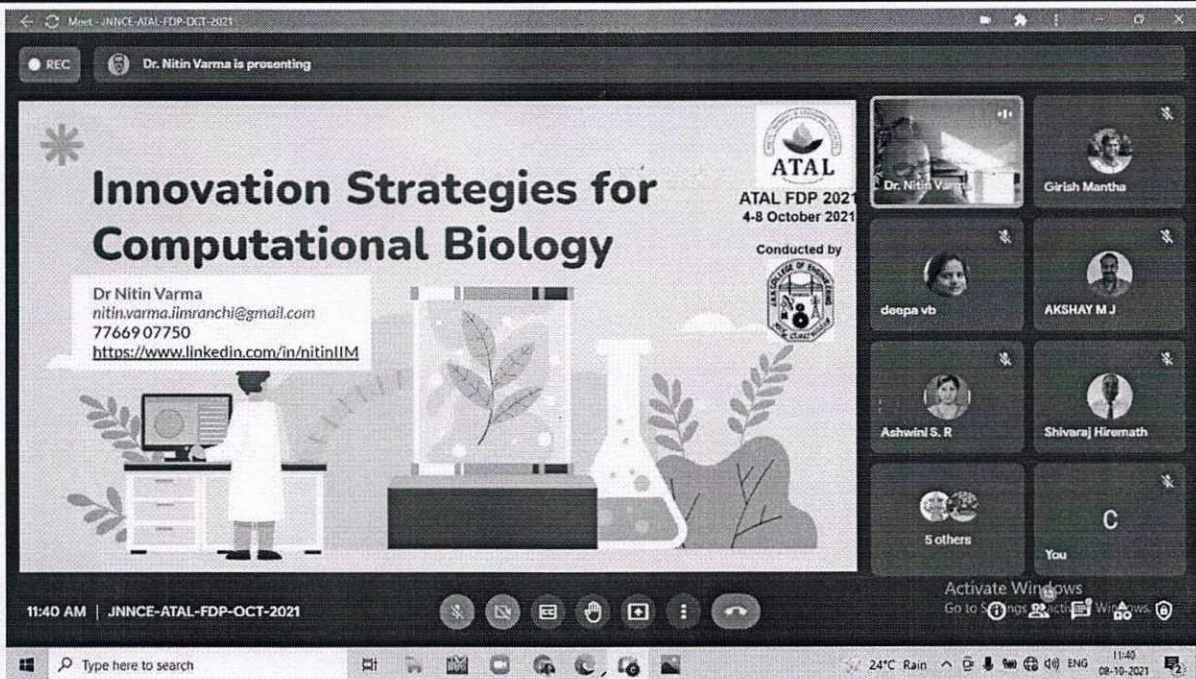
Day-5 Session-3
Topic : Results, Feedback and Q&A
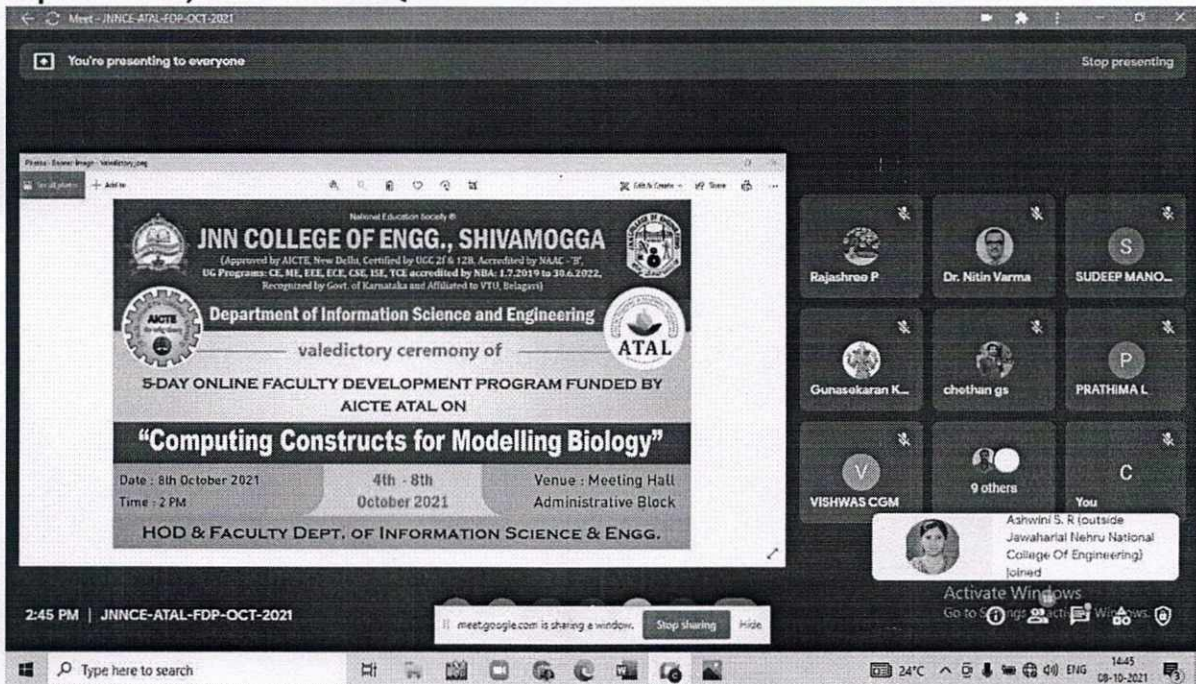
Appendix A: Profile of Resource Persons

Dr. Deepali Gupta
deepaliramangupta@gmail.com

Prof. (Dr.) Deepali Gupta is currently working as **Professor Research in Chitkara University Research and Innovation Network (CURIN) at Chitkara University, Punjab, India.**

Dr Deepali Gupta specializes in software engineering, cloud computing and genetic algorithms. She has worked with undergraduate, postgraduate students as well as research scholars throughout

her career and plans to continue to involve students in her research and is eager to participate in projects and guide independent student's research.

She has published more than **120 research papers** in national & international journals and conferences (Scopus and SCI indexed). She has also filed **25 patents** out of which 08 are published. Based on these areas she has guided many PhD and ME scholars. Dr Deepali has worked at various administrative positions like Principal, Head(CSE), Dean Academics, IBM (Spoc), Remote Centre Coordinator (IITB), Coordinator for IITB Spoken Tutorial, Executive Committee Member in Computer Science Division of Haryana State Centre(IEI), President Sangam Kala Group(Kurukshetra, Mohali and Chandigarh Chapter), Member of Anti-Ragging Committee, Academic Council, Faculty of Engineering and Technology, Board of Management, Chairman SC/ST Cell of MMU, Sadopur and Principal(MMGI, Sadopur).

Her fields of interest include Software Engineering, Cloud Computing, Machine Learning and BlockChain. **She has received Research Excellence Awards for patent filling and publications in the year 2020 and 2021 as well.**

She has also received **certificate of appreciation** on 15 September, 2021 from "The Institution of Engineers (India), Haryana State Centre" acknowledging her valuable technical contribution rendered to the nation as a Tech Samaritan during COVID-19 Pandemic and reaffirming the credence of the profession of engineering on the occasion of 54th Engineers' Day Celebration.

She is an active member of various professional bodies like IEI (India), IETE, ISTE etc. apart from being Editor-in-chief of MMU journal, she is an editorial board member and reviewer of various reputed journals.

Dr. Nitin Varma
nitin.varma.iimranchi@gmail.com

Dr. Nitin Varma is a techno-management corporate person who has lived and worked across cultures around the globe. Been blind-peer reviewed and vetted internationally, been a winner of an International Innovation Award in Europe (40 + country participants), been twice finalist of the same - winner of several National awards.

Management Areas: Analytics | Strategy | Marketing | Finance | HR
Technology Areas: Computational Biology | Quantum Computing | Data Science | Analytics | Artificial Intelligence
Domains: Smart Cities | Start-ups | Education | Research & Writing | Entrepreneurship

It has been 27+ years since Dr. Nitin completed B.Tech.(N.I.T. Kurukshetra).
Dr. Nitin is also Ph.D. (IIM Ranchi, full time -Analytics & Information Systems) and PGDM (SPJIMR, Mumbai: 2 Years Full-time equiv. MBA). Dr. Nitin has been a Certified Project Management Professional PMI-PMP (USA, 2009) and also is Six Sigma Certified (KPMG 2013).

Dr. Nitin is has also been the CEO and Founder of a US based startup, lived in the US (was an EAD Green Card) and worked on IT Consulting & Marketing in the US- including for projects of strategic US Government interest (Smart Cities / Smart Transportation Systems / IoTs) and also with Fortune 500s, before returning to India.

Dr. Nitin has been on the Editorial board of the Indian Express Group publication, hosted discussions including with Fortune 500 leaders through the Silicon Valley Entrepreneurship Association(Bay Area, California USA), taught in Europe + Indian Institutes, has been a speaker@the Bombay Stock Exchange, has trained scientists from DRDO and other

Government organizations, has published articles in ABDC journals and has filed patents. Dr. Nitin always had great interest in biology since childhood, and now that Dr. Nitin is on the threshold of Data Science and Analytics, Dr. Nitin has been helping others to best approach Computational Biology.

Dr. Sreepathi L K
(sreepathi.lk@gmail.com)

Born and brought up in a small village Lingadhahally, Chikkamagalure Dist. Sreepathi did BE. (Mechanical) at SIT, Tumkur and perused M.Tech and Ph.D programmes at IIT Bombay from 1988 to 1994 in the area of thermal and fluids engineering. He has worked as a Professor, in the dept. of Mech. Engg, JNN college of Engg., Shimoga from 1994 till 2019 and retired as a Vice Principal of JNN College of Engg Shivamogga.

He has carried out several research projects funded by CSIR, MNES, AICTE, KSBDB etc. His areas of interests are bio fuel conversion, green architecture, solar energy, Rain water harvesting, Science education etc. He has installed biomass gasifier and Biodiesel plants in the college with funding from Govt. agencies and has published 38 papers in journals and conference proceedings. He is the coordinator of the "Chirantana Green Technology Center" and "District Bio fuel Information and Demonstration Center" of the college. The centers are actively involved in promoting renewable energy devices, bio fuels, rain water harvesting, sustainable and eco friendly life style among school/college students and general public since eight years. The center has the credit of developing Roof water filter, Bio filter for domestic water purification", Waste plastic to oil Unit, Bio Diesel by products like, Soaps, Hand wash, Floor Cleaner etc.

He was the member of advisory committee on "Green Campus-Central Univ. Karnataka, Gulbarga. He is the Chairman for local area committee of Pollution Control Board for Bhadravathi Industrial cluster. He is the coordinator for conducting INSPIRE Internship camp at JNNCE, Shimoga since 2010 and also a DST enlisted mentor for INSPIRE scheme. INSPIRE is scheme initiated by Dept. of Science and Technology to promote research zeal among talented youth. He was invited as an observer for 8 th National Teachers science congress held at IISER, Pune in Dec 2015.

He has written booklets on "House and Rain water harvesting" "Roof water Harvesting", "Solar Water Heater", "Solar Photovoltaic Cells", "Renewable Energy Sources", "Sustainable energy Technologies for Malnad Region" and a play on 'Water Harvesting' in Kannada language. His other interests are cycling, trekking and farming. In 2012, he has been awarded "Suryamitra" by Selco Solar lights co. Bangalore He has been honored with "Life time Achievement Award" by his institution in the year 2017. He is residing in an eco-friendly house "Vibha" along with his wife Mamatha and son Vishakha. The house has rain water harvesting system, solar power supply, passive cooling techniques, kitchen waste gas plant, liquid waste recycling systems. The house has been featured in Discovery, National Geographic and other TV channels as well as print media.

@@@@@@

GIRISH MANTHA,
B.E.,M.Tech.(CS)
Asst. Prof., IS&E Dept.
JNNCE, Shivamogga.

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-
110070 Website: www.aicte-india.org

AICTE Training and Learning (ATAL) Academy, (Online FDP)

F. No. 2-23/AICTE/ATAL-HQ/2021-22/1973

Date:24ᵗʰ September, 2021

To

The Principal,
JNN College of Engineering
Navule,
Savlanaga Road,
SHIVAMOGGA – 577 204

Sub: Release of a sum of Rs.93,000/- for AICTE Training and Learning (ATAL) Academy Online FDP.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 93,000 /- (Rupees Ninety –Three Thousand** Only) for conducting of online AICTE **Training and Learning (ATAL) Academy** FDP (COMPUTING CONSTRUCTS FOR MODELLING BIOLOGY) to JNN COLLEGE OF ENGINEERING, SHIVAMOGGA, under **AICTE Training And Learning (ATAL) Academy.**

This fund is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

I. **Release of funds and maintenance of accounts**

a. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.

b. The cost for conducting per programme will be Rs. 93,000/- as per detail given as under:

1.	Honorarium to Coordinator	Rs. 10,000/-
2.	Honorarium for Computer Operator	Rs. 2,000/-
3.	Honorarium for experts (Rs.5000 per session for total 14 session)	Rs. 70,000/-
4.	Provision for payment to Lab Attendant	Rs. 1,000/-
5.	Miscellaneous charges (petty expenses not covered above)	Rs. 10,000/-
	TOTAL	Rs. 93,000/-

Programmes having permission to change amounts under different heads with overall ceiling of Rs. 0.93 lakh being intact.

c. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma to be submitted by the University/College/Institution. Further, the accounts of the institute will be open for test check by the Council or Controller & Auditor General of India or any other officer designated by them.

II. **Disbursement of funds to institutions**

The full amount of the grant sanctioned will be released as an advance to the University/Institute through electronic transfer on the account of the University/Institute after submission of mandate form

III. **Conduct of test and issuance of certificate**

☐ A test shall be conducted by coordinator at the end of the program.
☐ The certificates shall be issued to those participants who have been approved by the coordinator, attended the program with minimum **80%** of attendance and scored **minimum 60% marks** in the test.

P.T.O............

Registrar Officer
South Western Regional Office
All India Council for Technical Education
Bangalore-9.

IV. **Submission of documents by university/institution**

    a The following mandatory relevant documents are required to be submitted by the university/institution within one month of the completion of the program: -

        (i)   List of candidates who have successfully completed the program on the basis of the test conducted by Program Coordinator.

        (ii)   A program completion report along with photographs, videos, media report is to be sent after the completion of workshop along with the list of participants and Utilization Certificate, Expenditure Statement etc., within one month of conduct of AICTE **Training and Learning (ATAL) Academy programme.**

    b The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be adjusted.

V. **General Instructions**

    a **Maximum 200 participants** may be allowed to attend online FDP. Coordinators are free to admit a smaller number of participants depending on the feasibility.

    b. A test has to be conducted (may be online) on the last day and those who score more than 60% will be termed as successful candidates. Those who have **attendance 80% or more and also score more than 60% in the test** will be issued a **digital certificate.**

    c These **online sessions are to be recorded** as the facility is available on the software which is being used for online delivery of FDP. You are also requested to upload recording on youtube of google drive and share recording link of sessions with AICTE.

    d. **Eligibility for Participants:**

        (i)   The faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/ Technicians/ Participants from Industry etc.)/ School Teachers and staff of host institutions.

        (ii)   Not more than 30% from Host Institution

    e. If programme is not conducted in the financial year 2021 only, the released amount has to be returned back to AICTE.

    f. Any extra money required to complete the programme must be borne by the institute from their own resources but the quality of the activities should not be compromised.

    g. FDP title name, name of coordinator, Institute name is not allowed to change without permission, however scheduled dates may be changed with information to ATAL Academy cell and Regional Office.

    This Sanction Order may be treated as Offer Letter for all purposes.

Yours sincerely,

Regional Officer
SWRO, Bengaluru
Regional Officer
South Western Regional Office
All India Council for Technical Edu...
Bangalore-9.

Copy forwarded for information and necessary action to: -

1. Coordinator ATAL Programme
2. ATAL Academy Cell AICTE HQ
3. Guard File

AICTE Training And Learning(ATAL) Academy Programme FORMAT FOR STATEMENT OF EXPENDITURE

AICTE File No.(Sanction letter file No.) : **F. No. 2-23 /AICTE/ATAL-HQ/2021-22/1973**

Title of the Programme: **"Computing Constructs for Modelling Biology"**

Application No. : **1614051797**

Name of the Coordinator: **Girish Mantha**

Sanction No. and Date	Grant Sanctioned	Details of expenditure Incurred Item wise	Amount Rs. (In each head)	No. of Participants	Duration of the Programme (with dates)
F. No. 2-23 /AICTE/ATAL-HQ/2021-22/1973 Date : 24/9/2021	93,000/-	1. Honorarium to Coordinator Rs.2000/- per day × 5 days	10,000/-	44	04-10-2021 to 08-10-2021
		2. Honorarium to Computer operator	2000/-		
		3. Honorarium for experts (Rs.5000 per session for total 14 session).	70,000/-		
		4. Provision for payment to Lab Attendant	1000/-		
		5. Miscellaneous charges(Petty Expenses not covered above)	10,000/-		
		Total	93,000/-		
		Grant Received	93,000/-		
		Balance to be Received	NILL		

(1) _____GIRISH MANTHA_____
Name and Signature of Coordinator
with Seal
GIRISH MANTHA,
B.E.,M.Tech.(CS)
Asst. Prof., IS&E Dept.
JNNCE, Shivamogga.

(2) _____Dr. P MANJUNATHA_____
Name and Signature of Head of Institution
with Seal **Principal**
Jawaharlal Nehru National
College of Engineering, Shivamogga.

For A. Narasimha Murthy & Co.,
Chartered Accountants

(3) Signature (with Seal) of the Finance Officer/
Auditor/Accounts Officer (If it is Govt./Govt.
Aided Institute)

(4) Signature of Chartered Accountant
Name of Chartered Accountant: **CA. Sharath**
Membership No: Proprietor
Rubber stamp: M. No. 214269,
Full Address: Firm Reg. No: 011107S
Date:
.13 OCT 2021

JNN COLLEGE OF ENGINEERING
NAVULE, SAVLANGA ROAD, SHIMOGA - 577204
UTILIZATION CERTIFICATE FOR THE FINANCIAL YEAR 2021-22
Name of the Scheme under which Grant was sanctioned: AICTE Training And Learning (ATAL) Academy.

AICTE File No. : **F. No. 2-23 /AICTE/ATAL-HQ/2021-22/1973**
Name of the Coordinator: **Girish Mantha**
Application No. : **1614051797**
Title of the ATAL Programme: **"Computing Constructs for Modelling Biology"**

Sl.No	AICTE Sanction Order/Letter No. & Date under which grant was sanctioned	Amount (Rs.)	
1.	F. No. 2-23 /AICTE/ATAL-HQ/2021-22/1973 Date : 24/9/2021	93,000/-	Certified that out of the grant-in-aid of Rs. **93,000/-** (Rupees **Ninety – Three Thousand** Only) sanctioned by the AICTE during the financial year **2021-22** in favour of JNN College of Engineering, Shivamogga as per letter mentioned in the margin, Rs. **NIL** on account of unspent balance of previous year, Rs. **NIL** on account of other income / receipts, a sum of Rs. **93,000** has been utilized for the purpose for which it was sanctioned and the balance of **Rs. NIL** remained unutilized at the end of the year.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised: -
Audited Annual Accounts of the Institute
Receipt and Payment account
Periodical Progress Reports.

(1). Name, Signature & Address of the Claimant/Awardee/Coordinator with seal:

GIRISH MANTHA,
B.E.,M.Tech.(CS)
Asst. Prof., IS&E Dept.
JNNCE, Shivamogga.

Girish Mantha,
Asst. Professor. ISE Dept
JNNCE, Shivamogga

2). Signature of Chartered Accountant:

For A. Narasimha Murthy & Co.,
Name of Chartered Accountant: Chartered Accountants

Membership No:
Rubber stamp:
Full Address:
Date: 13 OCT 2021

CA. Sharath
Proprietor
M. No. 214269,
Firm Reg. No: 011107S

UDIN - 212142269AAAAFR5266

3). Signature of Head of the Institute:

Principal
Jawaharlal Nehru National
College of Engineering, Shivamogga.

Name & Designation of the Head of Institute:
Dr. P. Manjunatha, Principal JNNCE,
Rubber stamp:
Full Address: Principal JNNCE, Shivamogga
Date: 12/10/21

4). Signature of the Finance Officer/Accounts Officer:
Name of the Finance Officer/Accounts Officer:
(If it is Govt./Govt. Aided Institute)