



গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE

**Report on
National Webinar
on**

**Application of Bioinformatics
in Biological Science**

27.08.2020

**Organized By
Department of Zoology
Gargaon College
Simaluguri, Sivasagar**



Title of the program: National Webinar on “Application of Bioinformatics in Biological Science ”

Date: 27.08.2020

Organized by: Department of Zoology Gargaon College

Nature of Activity: Seminar/Webinar

Rationality of the program

Bioinformatics is an interdisciplinary field that takes advantage of computer Science, Mathematics, Chemistry, Physics and Biology. Bioinformatics. As a new emerging discipline, Bioinformatics is concerned with the acquisition, storage and dissemination field id driven by experts from a variety of backgrounds,; biologists, computer scientists, mathematicians, statisticians and physics.

Brief description of the Program

The Department of Zoology in association with the IQAC, Gargaon College successfully organized a webinar on Application of Bioinformatics in Biological Science on 27th August, 2020. Dr. Pankaj Chetia, Assistant professor of Life Science Department, Dibrugarh University was invited as Resource person of the webinar. Dr. Sabyasachi Mahanta, Principal of Gargaon College while delivering his inaugural speech, thrown light on the glorious journey of the institution which is celebrating its Diamond Jubilee. He thanked the organizers and the Faculties of the Zoology Department for choosing an interesting and relevant topic for the webinar. The topic, he said is useful for both zoology and Biology students. Dr. Pankaj Chetia began his speech by defining Bioinformatics as a field of science in which Biology, Zoology and Computer merged into a mixed discipline. He spoke about databases, the data that is stored in computer, that is connected to internet. He also talked about Biological Databases, Protein Sequence Databases, NGS Data Analysis etc. Several queries were passed on to the Resource person which he responded to the participants elaborately. The programme ended with the vote of thanks offered by Ms. Pimily Langthasa, Assistant Professor, Department of Zoology, Gargaon College.



Flyer of the program

NATIONAL WEBINAR ON **GARGAON COLLEGE**
Application of Bioinformatics in Biological Science
Organised by Department of **Zoology**

DATE : 27:08:2020 **TIME : 11:00 AM**

INAUGURATOR

Dr. Sabyasachi Mahanta
Principal
Gargaon College

RESOURCE PERSON

Dr. Pankaj Chetia
Assistant Professor
Department of Life Science
Dibrugarh University

COORDINATOR

Dr. Rina Handique
Vice Principal
Gargaon College

Organising Committee
Chairperson : Dr. Sabyasachi Mahanta
Coordinator : Dr. Rina Handique
Asst. Coordinator : Dr. Dimbeshwar Das
: Ms. Pimily Langthasa

Technical Coordinator (s)
Dr. Pankaj Kr. Nath
Dr. Surajit Saikia
Mr. Nilutpal Chutia

REGISTRATION LINK : <https://bit.ly/34g1Wxd>  **QR Code for Registration**

E-CERTIFICATE WILL BE PROVIDED TO THE PARTICIPANTS **Last date of Registration 25/08/2020**

Media coverage


Youtube link of the program:

https://www.youtube.com/watch?v=9F9HJ_YAaJs

Screenshots of the Program

YouTube

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Pankaj Chetia

APPLICATION OF BIOINFORMATICS IN BIOLOGICAL SCIENCE

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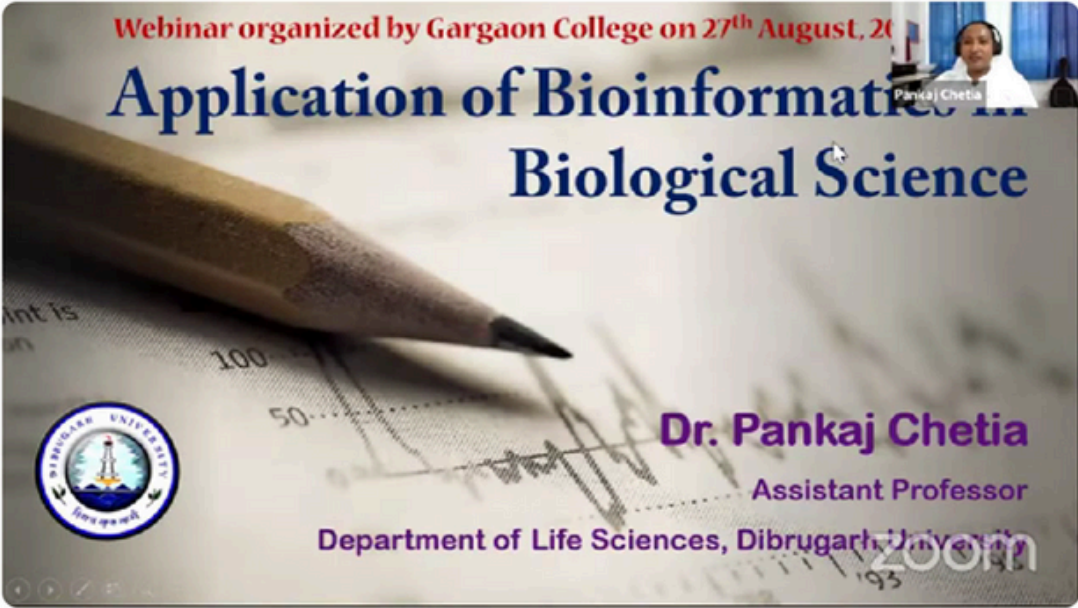
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Webinar organized by Gargaon College on 27th August, 2020

Application of Bioinformatics in Biological Science



Dr. Pankaj Chetia
Assistant Professor
Department of Life Sciences, Dibrugarh University



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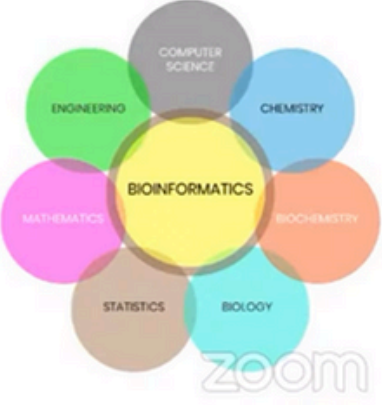
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Definition

- Bioinformatics is defined as the field of science in which biology, computer science, and information technology merge into a single discipline.
- Many people define it as the marriage between Biology and Information Technology.



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Biological Databases

OXFORD ACADEMIC Journals

You are here: NAR Journal Home » Database Summary Paper Categories

NAR Database Summary Paper Category List

- Nucleotide Sequence Databases
- RNA sequence databases
- Protein sequence databases
- Structure Databases
- Genomics Databases (non-vertebrate)
- Metabolic and Signaling Pathways
- Human and other Vertebrate Genomes
- Human Genes and Diseases
- Microarray Data and other Gene Expression Databases
- Proteomics Resources
- Other Molecular Biology Databases
- Organelle databases
- Plant databases
- Immunological databases
- Cell biology

Every year the Nucleic Acid Research journal published by the Oxford University Press releases a database issue where information about reputed Biological Databases are published. The latest issue can be visited from the link given below:

<http://www.oxfordjournals.org/nar/database/c/>

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List of Participants

Name	Designation	Department
Dr. Rina Handique	Associate Professor	Zoology
Dr. Dimbeswar Das	Assistant Professor	Botany
Dr. Surajit Saikia	Assistant Professor	Economics
Mr. Nilutpal Chutia	Assistant Professor	Economics
Dr. Pankaj Kumar Nath	Assistant Librarian	Gargaon College Central Library
Ms. Pimily Langthasa	Assistant Professor	Zoology

Students Participation List

Name	Semester	Department
Samprity Lahon	V-VI Sem	Zoology
Afruja Ahmed	V-VI Sem	Zoology
Subhashree Lahon	V-VI Sem	Zoology
MayurKrishna Phukan	V-VI Sem	Zoology
Arfina Rohman	V-VI Sem	Zoology
Priya Mohanonda	V-VI Sem	Zoology
Neha Gupta	V-VI Sem	Zoology
Jyoti Devi	V-VI Sem	Zoology
Pranabjyoti Gogoi	V-VI Sem	Zoology
Pallab Bailung	V-VI Sem	Zoology
Rupam Mech	V-VI Sem	Zoology
Udit Konwar	V-VI Sem	Zoology
Shyamkanu Chetia	V-VI Sem	Zoology
Minmoy Buragohain	V-VI Sem	Zoology
MayurKrishna Phukan	V-VI Sem	Zoology
Pranabjyoti Gogoi	V-VI Sem	Zoology
Indrajit Rajkonwar	V-VI Sem	Zoology
Priyomtrishna Gogoi	III-IV Sem	Zoology
Gandhi Chetry	III-IV Sem	Zoology
Jahir Hussain	III-IV Sem	Zoology
Parishmita Nath	III-IV Sem	Zoology
Rahul Gogoi	III-IV Sem	Zoology
Pragya Buragohain	III-IV Sem	Zoology
Protikha Borgohain	III-IV Sem	Zoology
Subhajit Borah	III-IV Sem	Zoology
Pronami Mech	III-IV Sem	Zoology
Debajit Gogoi	III-IV Sem	Zoology
Jintu Talukdar	III-IV Sem	Zoology
Manjeet Neog	III-IV Sem	Zoology
Karabi Gogoi	III-IV Sem	Zoology
Suraj Mirdha	III-IV Sem	Zoology
Bishal Mout	III-IV Sem	Zoology
Durgeswar Bhuyan	III-IV Sem	Zoology
Joshi Borah	III-IV Sem	Zoology
Nishitrishna Gogoi	III-IV Sem	Zoology
Dipankar Phukan	III-IV Sem	Zoology
Mousumi Dev	III-IV Sem	Zoology
Jyoti Tiwari	III-IV Sem	Zoology
Anwasha Gogoi	III-IV Sem	Zoology
Mriganku Baruah	I-II Sem	Zoology
Ankur Jyoti Nath	I-II Sem	Zoology
Bitupan Gogoi	I-II Sem	Zoology
Sujeet Paul	I-II Sem	Zoology
Runa Mohan	I-II Sem	Zoology
Puja Dutta	I-II Sem	Zoology



Students Participation List

Hirumoni Khanikar	I-II Sem	Zoology
Snigdha Buragohain	I-II Sem	Zoology
Ushmita Saikia	I-II Sem	Zoology
Mayuree Sonowal	I-II Sem	Zoology
Prince Payeng	I-II Sem	Zoology
Kistina Neog	I-II Sem	Zoology
Pran Jyoti Teye	I-II Sem	Zoology
Supriya Sahani	I-II Sem	Zoology
Himashree Gogoi	I-II Sem	Zoology
Ritupan Boruah	I-II Sem	Zoology
Himangshu Jyoti Hazarika	I-II Sem	Zoology
Puja Konwar	I-II Sem	Zoology
Abhishek Dutta	I-II Sem	Zoology
Koushik Deka	I-II Sem	Zoology
Bhargove Teli	I-II Sem	Zoology
Manshi Buragohain	I-II Sem	Zoology
Arpita Das	I-II Sem	Zoology
Chimrani Chetia	I-II Sem	Zoology
Aparajita Konwar	I-II Sem	Zoology
Debajeet Konwar	I-II Sem	Zoology
Palash Jyoti Handique	I-II Sem	Zoology
Dibjyoti Chetia	I-II Sem	Zoology
Uditraj Chetia	M.Sc	Zoology
Deepamoni Buragohain	I-II Sem	Botany
Brindawali Gogoi	I-II Sem	Botany
Kiron Saikia	I-II Sem	Botany
Manashi Borgohain	I-II Sem	Botany
Gayatri Gogoi	I-II Sem	Botany
Rahul Boruah	I-II Sem	Botany
Syeda Afrin Mumtahina	I-II Sem	Botany
Madhushmita Saikia	I-II Sem	Botany
Manshi Dutta	I-II Sem	Botany
Bimrisha Buragohain	I-II Sem	Botany
Washima Mamtaz Begum	I-II Sem	Botany
Sahid Ali	I-II Sem	Botany
Simpol Boruah	I-II Sem	Botany
Diku Borah	I-II Sem	Botany
Mahima Sonari	I-II Sem	Botany
Stuti Buragohain	I-II Sem	Botany
Prahlad Gogoi	I-II Sem	Botany
Kushal Darig	III-IV Sem	Botany
Jyoti Koiri	III-IV Sem	Botany
Taslima Nasrin Bora	III-IV Sem	Botany
Chinmoyee Chakraborty	III-IV Sem	Botany



Students Participation List

Debabrot Chutia	III-IV Sem	Botany
Akash Deep Dutta	III-IV Sem	Botany
Pankaj Nayan Dutta	III-IV Sem	Botany
Jahnabi Changmai	III-IV Sem	Botany
Kaushik Kumar Mech	III-IV Sem	Botany
Ayan Dutta Das	III-IV Sem	Botany
Nitupol Chetia	III-IV Sem	Botany
Tanjuma Akhtar Ahmed	V-VI Sem	Botany
Prasujya Saikia	V-VI Sem	Botany
Himanku Chetia	V-VI Sem	Botany
Priyanuj Hatimuria	V-VI Sem	Botany
Keshab Gogoi	V-VI Sem	Botany
Manash Pratim Duarah	V-VI Sem	Botany
Bijoy Rajbonshi	V-VI Sem	Botany
Porag Phukan	V-VI Sem	Botany
Rocktopal Mahanta	V-VI Sem	Botany
Anirban Kashyap	V-VI Sem	Botany
Rohan Gogoi	V-VI Sem	Botany
Sunil Bhumij	V-VI Sem	Botany
Ankita Borgohain	I-II Sem	Botany
Raja Handique	I-II Sem	Botany
Riki Moni Phukan	I-II Sem	Botany
Syed Abdul Kabir	I-II Sem	Botany
Dipranjan Dihingia	I-II Sem	Botany
Gauranga Nath	I-II Sem	Botany
Lakhima Dutta	I-II Sem	Botany
Majida Khatun	I-II Sem	Botany
Dhon Mili	I-II Sem	Botany
Dharitri Boruah	I-II Sem	Botany
Roktim Borgohain	I-II Sem	Botany
Debapratim Buragohain	I-II Sem	Botany
Subhajyoti Gohain	I-II Sem	Botany
Nazrana Begum	I-II Sem	Botany
Pratim Panging	I-II Sem	Botany
Sumangal Rajkonwar	I-II Sem	Botany
Kalyani Chetia	I-II Sem	Botany
Akulina Chetia	III-IV Sem	Botany
Aadit Singh	III-IV Sem	Botany
Mrinmoy Manab Mahanta	III-IV Sem	Botany
Bikash Thanglien	III-IV Sem	Botany
Farhana Ahmed	III-IV Sem	Botany



Students Participation List

Pragyan Chetia	III-IV Sem	Botany
Niharika Dutta	III-IV Sem	Botany
Monuranjan Gogoi	III-IV Sem	Botany
Bishal Chetia	III-IV Sem	Botany
Bikash Singh	III-IV Sem	Botany
Bibhuti Buragohain	III-IV Sem	Botany
Rangina Khan	III-IV Sem	Botany
Ibtesam Hazarika	V-VI Sem	Botany
Pallab Jyoti Hazarika	V-VI Sem	Botany
Shama Nasree Islam	V-VI Sem	Botany
Mausam Boruah	V-VI Sem	Botany
Mayouri Bharali	V-VI Sem	Botany
Hiron Jyoti Hazarika	V-VI Sem	Botany
Trinayan Mohan	V-VI Sem	Botany
Plabita Boruah	V-VI Sem	Botany
Mridul Konwar	V-VI Sem	Botany
Simi Gogoi	V-VI Sem	Botany
Bijit Konwar	V-VI Sem	Botany
Satyajit Bora	V-VI Sem	Botany


Department of Zoology
GARGAON COLLEGE
Simaluguri

(Dr. Rina Handique)
Head
Department of Zoology
Gargaon College,
Simaluguri, Sivasagar

