

Student Centric Methods, and Related Activities 2020-21
Department of Computer Science & Application
Gour Mahavidyalaya
Mangalbari, Malda

Our college Gour Mahavidyalaya is a students' centric college. It always seeks to bring the best out of students by adopting new teaching methods. The Department of Computer Science attempts to stick to this college endeavor by embracing student-centric teaching methods. We the faculties evaluate students' academic progression by continuous evaluation mostly by tutorials and periodic tests. Students are encouraged to do small projects and assignments to improve their performance.

We every year we arrange student seminar and engage students to give oral presentations to make them confident to speak before an audience. We also arrange group discussions, Coding competitions, and other student-centric activities to make out the best from a student. We encourage our students to participate in national & international level seminars, workshops, conferences, and other programs to stay at par with the technology.

ONE DAY NATIONAL WEBINAR on
Foundations of Machine Learning for Data Science & Image Processing

Organized by

Department of Computer Science & Application
17th -AUGUST-2020, 10.00 AM – 12.35 PM

In today's data-driven world, machine learning is one of the fundamental areas in computer science. Machine learning is a method of data analysis that automates analytical model building. It is a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention. Because of new computing technologies, machine learning today is not like machine learning of the past. It was born from pattern recognition and the theory that computers can learn without being programmed to perform specific tasks; researchers interested in artificial intelligence wanted to see if computers could learn from data. The iterative aspect of machine learning is important because as models are exposed to new data, they are able to independently adapt. They learn from previous computations to produce reliable, repeatable decisions and results. It's a science that's not new – but one that has gained fresh momentum.

In this webinar, we will discuss how to use machine learning ideas in the field of data science and image processing. How it is useful to society, and how even students from the undergraduate level can contribute to the process of continuous research and sustainable development. We believe further, the discussion will shed light on how to make use of it mostly.

Resource Persons:

1. Dr. Saroj Kr. Biswas

**Assistant Professor Grade I,
Department of Computer Science & Engineering,
National Institute of Technology, Silchar**
Topic : Foundation of Machine Learning for Data Science

2. Dr. Ardhendu Mandal

**Associate Professor,
Department of Computer Science & Application,
University of North Bengal**
Topic : Medical Image Processing

Seminar Brochure:

https://drive.google.com/file/d/1Cgo_w9L92MLLdmbLWv4cQAQXKtWerRL_/view?usp=sharing

Total numbers of registered participants- 190

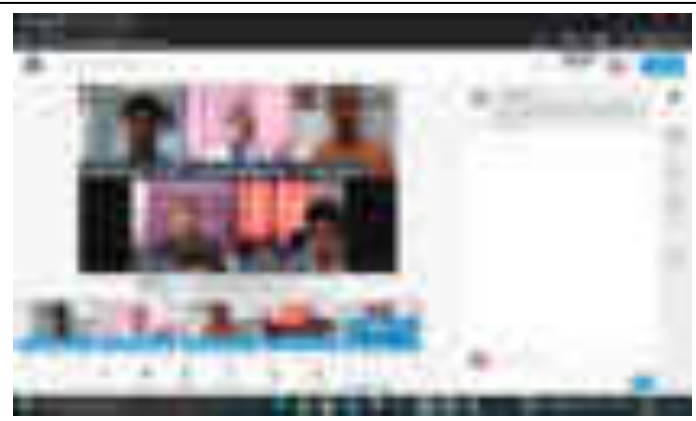
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Feedback Details:

<https://drive.google.com/file/d/11bu0Kf0YIDDbvqaBj881UsUOQabO9kLv/view?usp=sharing>

Seminar link:

<https://www.youtube.com/watch?v=i0ROYDtL5a8>



ONE DAY NATIONAL WEB-SEMINAR on
NURTURING INNOVATIONS: FROM ACADEMIA TO SOCIETY

Organized by

Department of Computer Science & Application and Department of Zoology
22nd-AUGUST-2020, 10.00 AM – 1.00 PM

India holds the world's largest youth power which makes the whole world eyeing India as a source of skilled & technically advanced manpower. Presently our society is going through restructuring processes in all aspects. The ability to develop and take advantage of new technologies, as well as understanding how technology and society interact, are all critical factors that universities can contribute to in this ongoing process of a societal shift. Besides, sustainable development is imperative for our future, with sustainable development; groundbreaking innovations will come to light in the years to come. To hold the pace of development we need to experiment more across disciplines and sectors in our search for new and more effective ideas for a sustainable future. Educational institutions must continue to develop their programs, so that students, from the grass-root level, can meet and deal with the modern societal needs. The development of entrepreneurial competencies in our education is becoming increasingly important; these competencies can only nestle in a dynamic innovation ecosystem where educational institutes, the private and public sector work together. In this webinar, we will discuss how to nurture innovative ideas to innovations, how to protect novel thoughts, make innovations useful to society, and how educational institutions from the base level to the highest can contribute to the process of continuous research and sustainable development. We believe further, the discussion will shed light on how to make use of new and future technologies in a world of globally competitive markets, ultimately leading to a highly competent, skilled, and energetic youth workforce.

Resource Persons:

1. Dr. Rajat Kumar De

Professor,

Machine Intelligence Unit, Indian Statistical Institute, Kolkata

Topic : A Brief Introduction to Artificial Neural Networks

2. Dr. Sonali Roy

Incubation Manager,

National Institute of Pharmacological Education and Research (NIPER), Guwahati

Topic: Intellectual Property Rights: Concept and Application

3. Mr. Ajoy Chakraborty

Former Secretary, ISVEC,

Institute of Advanced Study in Science and Technology (IASST), Guwahati

Topic : Strategies of Innovation Management

Seminar Brochure:

https://drive.google.com/file/d/1_27Nr5Lccyhe2NfyuC_ItRqZld_vIQ3G/view?usp=sharing

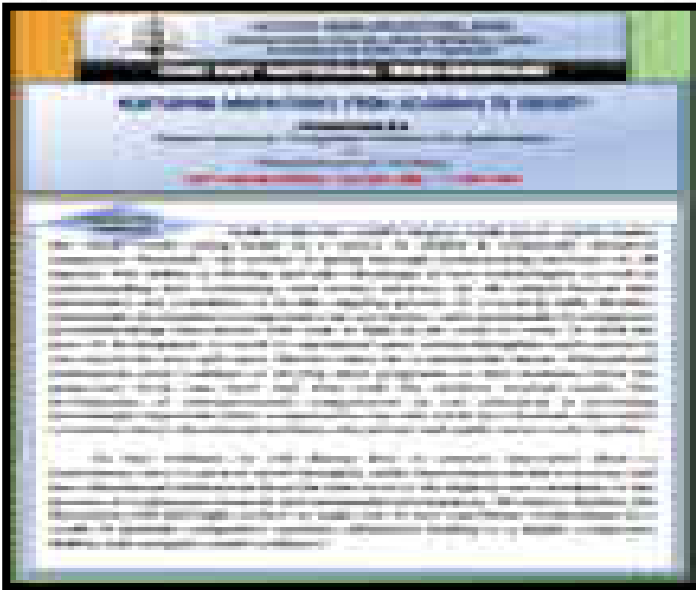
Total numbers of registered participants- 232

https://drive.google.com/file/d/1hQNDyvQaaAVzpO25F_b-i7mrkaL9SjIZ/view?usp=sharing

Feedback Details:

<https://drive.google.com/file/d/1BnZk3VL0giYw-Q5zYvvdV0H8e4BIzuTq/view?usp=sharing>

Seminar link: <https://www.youtube.com/watch?app=desktop&v=yVq8gZZo8ac>





Special talk:

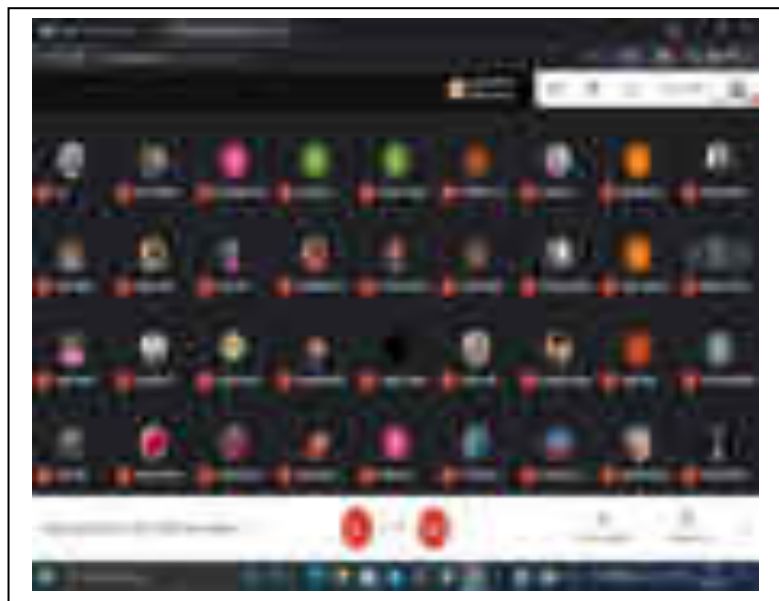
A special talk was organized by the Department of Computer Science & Application, especially with the newcomers to inform them what the prospects of this subject are. Usually, the newcomers face some problem in this kind of subjects like computer science or computer application as they may not have read it before. So it's completely new to them. It was observed that pupils used to take some time to catch up with the pace. This is a kind of special class where the teachers of our department help them to find the track and shows them what they can do and what can be done.

Student meet : Meeting with B.Sc. & BCA CBCS Hons Student Meet

Wednesday, May 19 · 5:30 – 6:30pm

Google Meet joining info

Video call link: <https://meet.google.com/uxh-xnxw-egc>



Apart from the above mentioned activities organised by the Department of Computer Science & Application; some of our students also participated in several programs arranged by college and IQAC Gour Mahavidyalaya.

1) Celebration of Yoga Day

2) National Level Seminar: Research Methodology: Online: 12.04.2021

Our Observations:

Department of Computer Science & Application have tried to frame teaching in a student centric manner. But we believe that miles are lying ahead of us and introspective analysis clearly points that we have ample scope for improvement. We also believe we will surely make our standards high in the coming sessions.