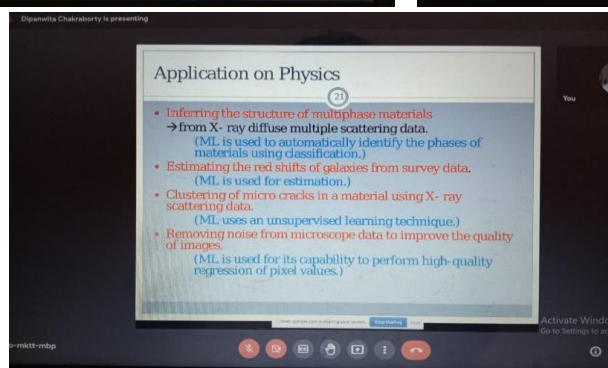
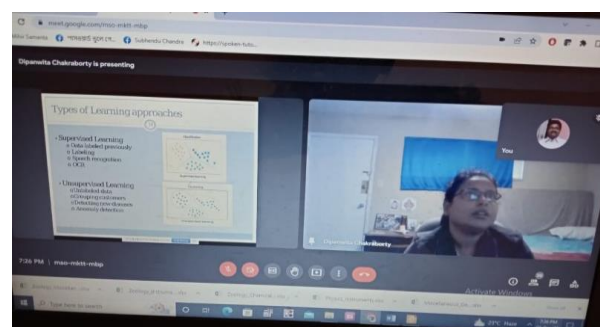
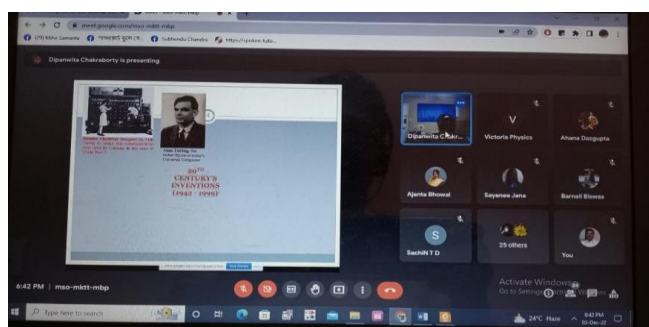


Report on International Webinar on “How Machine can Learn Physics using python as tool”
organized by the Department of Physics in Collaboration with IQAC on 03/12/2022

In today’s era, Machine learning, AI with deep learning have become an important field in everyday science. Python has become an easy language of coding therefore very useful in this field. The goal of this Webinar was to give a basic idea about Machine Learning, AI and Deep Learning and to understand the application of this research methodology to real life problems as well as some physics related problems.

The webinar was conducted on 03/12/2022 from 6:30 PM to 8:30 PM. About 40 participants have joined this webinar including 15 students from our department. Prof. Dipanwita Chakraborty Bhattacharya, Assistant Professor & HOD, Department of Computer Science, Bethune College, was the resource person of the program. Currently, she is also a Scholar Scientist, Florida State University, Tallahassee, Florida, USA.

The speaker, through her talk gave us a basic idea about Artificial learning, Machine learning and Deep Learning. She also gave us some examples from different areas of Physics that require machine learning. She also showed us some hands-on example on solving a problem related to Machine Learning using Logistic Regression. Another example was demonstrated on Unsupervised Learning using Clustering with the help of Python coding language. Python language is chosen as it is very useful because of its various packages and inbuilt modules. The talk was very enlightening and has inspired many participants.



International Webinar On

How Machine can Learn Physics using Python as a tool



Organized by
the Department of Physics
in collaboration with IQAC

Victoria Institution (College)
78 B, A P C Road, Kolkata-700009

Date: 03rd December, 2022

Time: 6:30 PM to 8:30 PM(IST)

Resource Person

Dipanwita Chakraborty Bhattacharya

Assistant Professor & H.O.D
Department of Computer Science
Bethune College

Present Position:

Scholar Scientist, Florida State University,
Tallahassee, Florida, USA

Today, Machine Learning, AI with Deep Learning are the technologies those are almost everywhere in Science. Python is the most popular tool in this regard which reduces a huge complexity of coding, especially in this field. The goal of this webinar is to give a basic idea on Machine Learning, AI and Deep learning and how it can be applied in real life problems as well as Physics related problems following some case studies. Besides the theoretical discussion, a practical idea of machine learning algorithms through some hands-on coding in Python to understand the steps and how they are implemented, will be delivered. In a broader aspect the motivation is to encourage all the science students in coding and automating their system, and in addition drag their attention towards applying Machine Learning and AI in their future research.

Contact: E-mail:-vicphysicswebinar@gmail.com

Registration Link: <https://forms.gle/Vi35wLLdePvxD2yC7>

Information to the participants

- **Registration will close on 30/11/2022 at 07:00 PM**
- **E-certificate of participation will be provided.**

Organizing Committee

Dr. Uma Ray Srinivasan, TIC, VIC

Dr. Dipanwita Paul Ghosh , Coordinator, IQAC, VIC

Dr. Gayatri Pal, Dept. of Physics, VIC

Ms. Kathakali Biswas, Dept. of Physics, VIC

**Smt. Swarnalekha Bandyopadhyay, Dept. of Physics,
VIC**

Sri. Tapan Poddar, Dept. of Physics, VIC

**Dr. Shinjinee Das Gupta
(Convenor)
HOD, Dept. of Physics
Victoria Institution
(College)**

**Dr. Subhendu Chandra
(Joint Convenor)
Associate Prof.,
Dept. of Physics
Victoria Institution
(College)**

Report on COMPUTER COURSE, 22.11.22 onwards

Victoria Institution (College) in collaboration with WEBEL Technology Ltd (Govt. of WB undertaking) conducts a Computer Literacy and Training Program, a Career Oriented Certified Computer Course, for the college students. Two courses are now conducted: 1. Certificate Computer Application Course (CCA) and 2. Diploma in Computer Application Course (DCA). The duration of each course is six (6) months with nominal fees (Rs. 120/- per month). After completion of the course, students will get authorized certificate from WEBEL Technology Ltd. Classes are conducted at college premises. At present, more than 100 students have enrolled their name for the course and it is running successfully.



COMPUTER COURSE 2022

REGISTER NOW!

For Admission Contact at –
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Smt. Madhulina Das (8777091574)

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CCA_Course fees: 1year @ 1200/-

- ✓ **Computer Fundamentals & Operating System**
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- ✓ **HTML**
- ✓ **CSS**
- ✓ **Java Script**
- ✓ **C Language Programming**
- ✓ **Photo Editing Tools [Photoshop]**

➤ DIPLOMA IN COMPUTER APPLICATION (DCA)

DCA_Course fees: 1year @ 1200/- (After complete CCA)

- ✓ **Internet Technologies**
- ✓ **PC Troubleshooting**
- ✓ **Database Management System using Oracle**
- ✓ **Python Programming Syllabus**
- ✓ **Visual Basic**

WEBEL TECHNOLOGY LIMITED

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VICTORIA INSTITUTION COLLEGE





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Phone : 91 33 2350 1959 ■ Fax : 91 33 2360 0046

Website : www.victoriacollege.co.in

Ref. No. :

Date :

NOTICE

Announcement about concession for students interested in Computer Application Add-on Course

All students are welcome to our Add-on course on Computer Application organized by Webel Technology Limited.

A special concession of 50% discount on admission fees will be given to the needy students. Those who are willing to grab this offer are instructed to make an application along with family income certificate for consideration.

Application must reach the Principal's office by September 3, 2022.

Uma Ray Srinivasan
25/8/22

Dr. Uma Ray Srinivasan
Teacher-in-charge

Teacher-in-Charge
VICTORIA INSTITUTION
(College)



VICTORIA INSTITUTION (COLLEGE)

78-B, Acharya Prafulla Chandra Road, Kolkata-700 009

Phone : 91-33-2350 1959 ■ Fax : 91-33-2360 0046

Website : www.victoriacollege.co.in

Ref. No.....

Date.12.11.2022

NOTICE

Announcement about concession for 1st Semester students interested in Computer Application Add-On Course

Students of Semester 1 are welcome to our Add-on course on Computer Application organized by Webel Technology Limited.

A special concession of 50% discount on admission fees will be given to the needy students. Those who are willing to grab this offer are instructed to make an application along with family income certificate for consideration.

Application must reach the Principal's office by November 19, 2022.

Dr. Uma Ray Srinivasan
Teacher-in-charge

12/11/22

Teacher-in-Charge
VICTORIA INSTITUTION
(College)