

ICT/Computing skills



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**ICT/Computing Skills Enhancement
Programs**




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**Workshop (Online) Report: Exploring FORTRAN - a stepping stone to
DSE Advanced Physical Chemistry Lab**

Date: September 3-4, 2020

Speaker: **Atanu Dutta Khan**, Faculty, Department of Computer Science, East Calcutta Girls' College

Organized by: **Department of Chemistry, Dum Dum Motijheel College**

Introduction:

The Department of Chemistry at Dum Dum Motijheel College organized a two-day online workshop on the Fortran programming language, as a supplementary component of the syllabus for the Advanced Physical Chemistry Laboratory in Semester V (DSE) curriculum. Dr. Jhumpa Mukherjee, Assistant Professor, DDMC acted as the convener of the workshop. The workshop aimed to provide students with practical skills in computational chemistry and numerical methods, essential for their academic and professional development. A total 100 participants, both teachers and students of various colleges like Dum Dum Motijheel College, Barrackpore Rastraguru Surendranath College, Sarojini Naidu college for womens, Bhairab Ganguly college and many more registered for this online workshop.


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Day 1 Highlights:

The learned speaker commenced the workshop with an overview of Fortran's significance in scientific computing, particularly in the field of physical chemistry. He introduced participants to the basic syntax and structure of Fortran, emphasizing its relevance in numerical simulations and data analysis. Writing and compiling programming codes, running the program (in FORCE 2.0 software), generating output, error detection and rectification were all discussed in detailed and in hands-on manner to reinforce understanding.

Day 2 Highlights:

Building upon the foundational knowledge acquired on the first day, Mr. Dutta Khan delved into advanced Fortran features relevant to physical chemistry applications. Participants learned about array processing, writing chemical equations in programming language essential for writing efficient and structured code for scientific computations.

Key Takeaways:

Practical Skills in Computational Chemistry: The webinar equipped students with practical programming skills essential for conducting computational experiments and data analysis in physical chemistry.

Numerical Methods Proficiency: Participants gained proficiency in implementing numerical methods and algorithms using the Fortran programming language, enabling them to solve complex problems encountered in physical chemistry.


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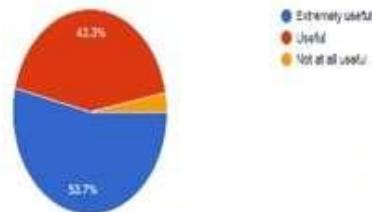
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Participants' Response

How you find the workshop useful for your curriculum?

57 responses



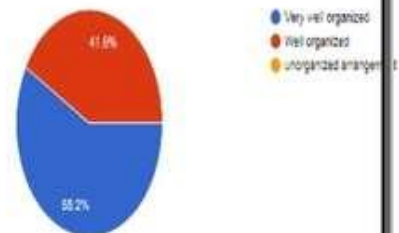
useful and Useful respectively.

The audience response to the workshop was overwhelmingly positive. Participants, comprising students, faculty members expressed high levels of satisfaction with the content and delivery of the workshop. 53.7% and 43.3% of the participants found the workshop to be extremely

Technical arrangement of the workshop was also appreciated by the participants, so was the time span of the workshop. Participants also requested for a more detailed and longer duration workshop on this topic. All the participants who filled up the feedback form were provided with Certificate of Participation.

How was the technical arrangement of the workshop?

57 responses




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Participant list in the Workshop: Exploring FORTRAN

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Use of ICT in Teaching Learning during Pandemic and Post Pandemic Situation

Date: 13th July, 2020

Resource Person: Dr. Sufal Das, Dept. of Information Technology, North Eastern Hill University, Shillong, Meghalaya, India.

Invited Talk I: Dr. Manas Baidya, Principal, Malda College and Sri Chandan Roy, Dept. of Political Science, Malda College.

Invited Talk II: Sri Kankan Sarkar, Dept. of Mathematics, Malda College.

Organized by: Department of Physics in association with Depts. of Electronics, Computer Science and IQAC, Dum Dum Motijheel College

The course on “*Use of ICT in Teaching Learning during Pandemic and Post Pandemic Situation*” was conducted by the Dept. of Physics in association with the Departments of Electronics and Computer Science on 13th July, 2020. Students from almost all departments participated in the course. The inauguration of the event continued from 10:00 AM to 10:25 AM. The Convenor of the whole event was Sri Apurba Kr. Nayek, Dept. of Physics who also acted as the moderator during the Invited Talk of the Resource Person.

The Resource Person, Dr. Sufal Das, Dept. of Information Technology, North Eastern Hill University, Shillong, Meghalaya, India highlighted the topic “ICT in students’ assessment”.


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Technical Session I was conducted by Dr. Suranjana Banerjee, Dept. of Electronics which was held between 11:00 AM to 1:00 PM. In this session Invited Talk I was given by Dr. Manas Baidya, Principal, Malda College and Sri Chandan Roy, Dept. of Political Science, Malda College who shared his knowledge on the topic “Online Teaching and Evaluation (Google Classroom, Google Form)” and “Google Docs, Google Apps and Teaching Tools”.

Technical Session II was conducted by Dr. Bidyut Halder, Dept. of Physics which was held between 4:00 PM to 6:00 PM. In this session Invited Talk II was given by Sri Kankan Sarkar, Dept. of Mathematics, Malda College who shared his knowledge on the topic “Personal Website Development (Gogle sites)” and “YouTube Live”. The valedictory session took place between 6:00 PM to 6:30 PM.

The audience response to the workshop was overwhelmingly positive. Participants, comprising students, faculty members expressed high levels of satisfaction with the content and delivery of the workshop. This course was of extensive help to the students as it covered a vast application area E-learning platforms and learning interactive tools. Students also benefited from hands-on-training provided by the speakers on different tools used in ICT.


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PROGRAM SCHEDULE

One Day National Level Webinar on
**USE OF ICT IN TEACHING LEARNING DURING PANDEMIC AND POST
PANDEMIC SITUATION**

Organized by: **Department of Physics**
In association with **Dept. Of Computer Sc., Dept. Of Electronic Sc. and IQAC**
On 13th July, 2020

Dum Dum Motijheel College

Inauguration session: 10:00 AM – 10:25 AM

10:00 AM- Welcome address	:	Dr. S.K. Roy, Coordinator, IQAC
10:05 AM- Introductory speech	:	Dr. Pradcepta Guptaroy, Principal, DDMC
10:15 AM- Inaugural talk	:	Prof. Basab Chaudhuri, Hon'ble Vice Chancellor, WBSU
10:25 AM- Vote of thanks	:	Dr. K. Biswas, Organizing Secretary

Invited talk : 10:30 AM

Moderator: Sri Aparba Kr. Nayek, Convener

Resource Person: Dr. Sufal Das

Department of Information Technology, North Eastern Hill University, Shillong, Meghalaya, India

Topic: ICT in students' assessment

Technical session I : 11:00 AM – 1:00 PM

Moderator: Dr. Suranjana Banerjee

Invited Talk 1

Dr. Manas Baidya, Principal, Malda College & Sri Chandan Roy, Dept. of Political Sc., Malda College

Topic

- Online Teaching & Evaluation (Google classroom, Google form)
- Google Docs, Google Apps & teaching tools

Technical session II : 4:00 PM – 6:00 PM

Moderator: Dr. Bidyut Halder

Invited Talk 2

Sri Kankan Sarkar, Dept. of Mathematics, Malda College

Topic

- Personal Website Development (Google sites)
- YouTube live

Valedictory session : 6 PM – 6:30 PM


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Launch of Departmental Magazine “BYTEBEAT” by Computer Science Department

Department of Computer Science has celebrated *National Technology Day* in collaboration with IQAC on **11th May, 2024** through the launch of their Departmental Magazine “**BYTEBEAT**” and a webinar with invited eminent speakers. This event was organized with the intention to increase Information and Communication Technology (ICT) awareness among UG students. ICT plays a significant role in enhancing students' learning experiences by providing vast resources through the internet, enabling them to access academic materials, research papers, and e-books anytime and anywhere. Students will also become aware of various educational platforms, online libraries, and databases offer a wide variety of learning materials, even tools like educational apps, online simulations, and multimedia resources (videos, animations) which would make learning interactive and engaging. The topics on which the lectures were delivered include **Cyber security, Deep Learning, Explainable AI techniques, Data Science, Machine Learning, Crypto-currency, Dark web** etc. Google Meet was used as the platform for the Webinar. Approximately 20 participants were present.


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Flyer for National Technology Day

DUM DUM MOTIJHEEL COLLEGE
DEPARTMENT OF COMPUTER SCIENCE
IN COLLABORATION WITH IQAC

NATIONAL TECHNOLOGY DAY
MAGAZINE LAUNCH

11 May, 2024

Dr. Pradeepta Gupta Roy
Principal
Dum Dum Motijheel College

Prof. (Dr.) Subhranil Som
Principal
Bhadrakali Ganguly College

Dr. Tuhin Utsab Paul
Associate professor and HOD
St. Xavier's University, Kolkata

Mr Partha Sarathi Gupta
Assistant Teacher
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BYTEBEAT Magazine of Computer Science Department




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Principal Message

Dear Readers,

It's a proud moment for us that our students of Computer Science Department are gearing up to bring the first edition of Departmental Magazine "Bytebeat". This Initiative will not only foster Innovation and creativity in the students but will also create an environment of technological advancements in the global scenario.

Needless to mention Computer Science is a field with evolving technologies, the students would be updated with the advanced write ups in cutting edge technologies and advancements in technologies especially in the field of Computer Sciences in the magazine "Bytebeat". Our magazine will help it in doing so.

I would like to thank the Magazine Committee comprising faculty members and students. The efforts of all of them is very valuable for creation of this magazine.

I hope the readers of the magazine will find insightful and thought provoking articles in it and would enjoy in reading it.

Warm Regards

Dr. Pradeepa Gupta Roy
Principal
Dum Dum Motijheel College



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HOD Message

Dear Faculty, Staff, Students, and Alumni,
It is with great pleasure and pride that I address you all in this edition of our departmental magazine. As we reflect on the achievements and milestones of the past year, I am filled with a deep sense of gratitude for the remarkable individuals who make up our vibrant community.

Our department continues to thrive, driven by a relentless pursuit of excellence in teaching and service. The contributions of our faculty, students, and alumni have left an indelible mark on the field of computer science. I would like to extend my heartfelt appreciation to our dedicated faculty members for their unwavering commitment to academic rigor and intellectual inquiry. Your passion for teaching and mentorship inspires our students to reach new heights and pursue their dreams with confidence.

To our students, I commend your relentless pursuit of knowledge and your eagerness to embrace new opportunities. Your curiosity, creativity, and determination are the driving forces behind our department's continued success, and I have no doubt that you will go on to accomplish great things in your future endeavors.

I also want to express my gratitude to our staff members for their tireless efforts behind the scenes, ensuring the smooth operation of our department and providing invaluable support to faculty and students alike.

As we look ahead to the future, let us remain steadfast in our commitment to innovation, collaboration, and inclusivity. Together, we will continue to push the boundaries of what is possible,

advancing the frontiers of computer science and making a positive impact on society.

I invite each and every one of you to join me in celebrating our collective achievements and embracing the exciting opportunities that lie ahead. Together, we will shape the future of computer science and inspire generations to come.

Warm regards,

Lt. Debi Prasad Bhattacharya
Head of the Department of Computer Science



Debi Prasad Bhattacharya
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Amrita Ma'am message

It is indeed a proud moment for our Computer Science Department as our students have taken the initiative to release the annual magazine "Bytebeat". I would like to remember a very famous quote of Swami Vivekananda - "If you think yourselves strong, strong you will be". We hope that the constant effort of our students to push their boundaries will make them stronger and boost their self confidence. Through this message, I wish them all the very best.

Dr. Amrita Roy Chowdhury
Assistant Professor
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Amrita Roy
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Established in 1950, UGC 2(f) and 12 (B) Approved
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Anasua Ma'am message

An educational institution is like the second home to the learners. In Computer Science department of Dum Dum Motijheel College also, we, the faculties and the students come to learn together. A departmental magazine is the reflection of how students are learning... finding interest in the subject , gathering knowledge , exploring new topics and moreover learning to work in a team structure. In my note of encouragement I wish them success for the upcoming event and awaiting many more yet to come.



Anasua
Principal
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President message

Dear readers,

I am Excited for reflecting my thoughts on the First Volume of our Computer Science Magazine. As we all are from diverse Backgrounds which brings new experiences every day in our campus.

The journey of making this magazine was not simple . I initiated to work upon this idea with the support of our esteemed faculty members.

Our excellent team had done months of hard work to bring to you diverse range of articles about the cutting edge technologies and recent breakthroughs in computer science. I extend my sincerest gratitude to my Design team, Research team and Content Team who were the important pillars for creation of this magazine.

I hope you find this magazine insightful and thank you all for your support.

Warm Regards ,

Simerjeet Singh Bedi

President

Magazine committee

Department of Computer Science

Dum Dum Motijheel College



Simerjeet Singh Bedi
Principal
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Vice President message

Any impossible journey is done by teamwork!

In the beginning, i was worried when DUM DUM MOTIJHEEL COLLEGE computer science department announced for releasing annual magazine. But in the same time i was also very hopeful.

I can clearly recall my start of this extremely beautiful journey of being a part of the department of the computer science. Having a memory of how it all started.

We operated both in online and offline mode, what remained common irrespective of the mode of events was the enthusiastic participation of the department members. We spent some memorable moments together in this journey and i was also glad to joy.

I feel proud that with eagerness of the department's faculty. Students and department members were contributed enormously in the process and as a result i see the department to reach a new landmark.

With loads of smiles,
Ananta Pandit
Vice President
Magazine Committee
Department of Computer Science
Dum Dum Motijheel College



Ananta Pandit
Principal
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Design Team message

Dear Readers;

As the part of design team, we are excited to share with you our department's first volume of magazine "BYTEBEAT". We hope you Really enjoy reading and learning from this magazine.

Our journey starts from being member of this excellent design team to having our orientation session with faculty members and President and Vice President.

The faculty members were very supportive as they helped us every time to answer our silly doubts to supporting us in tough situations. We want to thank them for their support.

The Role of President and Vice President was also very appreciable as they have several meetings with us and they always remain with us to create quality designs for the magazine.

This is our first edition of the magazine and we have included creative design elements in it to make it a stunning magazine.

And also without the support and collaboration of all the other teams Doing this was not even possible.

We hope you enjoy reading this magazine and love our designs too.

Warm Regards,

Design Team,

Magazine committee,

Department of Computer Science,

Dum Dum Motijheel College


Principal
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Content Team message

Hello Readers,

This is a little message from content team, we are really excited to present this magazine to you. First, we would like to thank our Faculty members, our President and Vice-President for helping us make the best and most suitable content for the readers, through several online meetings and offline sessions. We have taken help from a lot of articles, data available online and books and even other Magazines to make the content accurate and informative.

We would like to thank our Research team to provide us with proper materials, information to make the content upon and our Design team for making our content look beautiful and presentable to your eyes.

At last we would like to thank you Readers for choosing to read this magazine. We hope you find the content enjoyable and engaging.

Take our regards,

Content Team,

Magazine Committee,

Department of Computer Science,


Principal
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Research Team message

We hope this message finds you well. We are writing to you on behalf of the research team for the computer science magazine of DUM DUM MOTIJHEEL COLLEGE. First, we would like to thank our faculty members, our President and Vice-President for encourage ourselves.

In the beginning of the journey of making this magazine was not easy. We are started to work with the help of our respective faculty members. Our main goals to research about cutting edge technologies and their major points and give it to content team. Day by day this journey brings new experiences to us.

We would like to take this opportunity to thank you for your loyalty and support of our publication. We wish our computer science department to reach new milestone through this magazine.

Best regards,
The Research Team
Magazine Committee,
Department of Computer Science,
Dum Dum Motijheel College


Principal
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