

Om Craft

2020-21



OmDayal Group
of Institutions

ENGINEERING COLLEGE

Uluberia, Howrah

FROM THE DESK OF

SECRETARY

I believe OmDayal Group of Institutions is not just an Engineering and Architecture College, it is an institution that inspires young minds to enhance their creativity to deliver real-life solutions for the betterment of the society, state, country and the world.

As we face the stiff challenges of a global pandemic, it is even more important to nurture qualities like leadership, kinship, discipline, organizational capability and points of view. I am sure, soon we will be able to come out triumphant against the adversary and will continue our path to achieve greater heights.

I wish all the students of OmDayal Group of Institutions success in exploring the world of engineering and science, under the dynamic guidance of the faculty.

Shri Alok Tibrewal
Secretary

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FROM THE DESK OF

VICE PRINCIPAL



It is a matter of great pride and satisfaction for OmDayal Group of Institutions to bring out the Newsletter "OmCraft" Volume – 6 released from the Engineering Section of the college. Despite this pandemic situation, when e-learning has emerged as the best way of imparting education, the college has made marvellous progress in academic area. This Newsletter is like a mirror which reflects the clear picture of all the academic activities undertaken by different departments of the college. This issue of the Newsletter will definitely send a positive signal to everyone who is interested in technical education and technology based activities.

I wish all the best to those who are responsible for bringing out this Newsletter. I appreciate all the students, faculty & staff members for their fruitful endeavour. I remain grateful to all the parents and well-wishers for their priceless support and cooperation at this moment.

With Best Wishes,

Prof. (Dr.) Prosenjit Sen
Vice Principal

MESSAGE

EDITOR



It is an immense pleasure and a great honour to be the editor of this Newsletter – "Om Craft- 2020-21". The aim of this newsletter is to recount the various projects and activities in which the members of OmDayal Group of Institutions were actively involved since the end of June 2020 until the start of June 2021.

The purpose of this newsletter is to focus on the activities of each department of our college which include publication of research papers in different journals, participation of faculty members and students in various Conferences, Workshops, Faculty Development Programmes, Seminars/Webinars etc and the conduction of various events like Seminars, Workshops, Industrial tour/visits, Trainings, Internships etc by different departments.

I express my deep sense of gratitude to all the TICs under whose guidance all the technical work have been undertaken and completed within the stipulated time. I would like to thank all the members of the editorial team of this Newsletter for their valuable contributions and full-hearted support. I would also like to thank the management team of the college for creating positive, engaging and motivating work environment for us.

I would like to express my sincere gratitude to Prof. (Dr.) Prosenjit Sen, Vice Principal, for his everlasting support, guidance and motivation throughout the creation of this Newsletter.

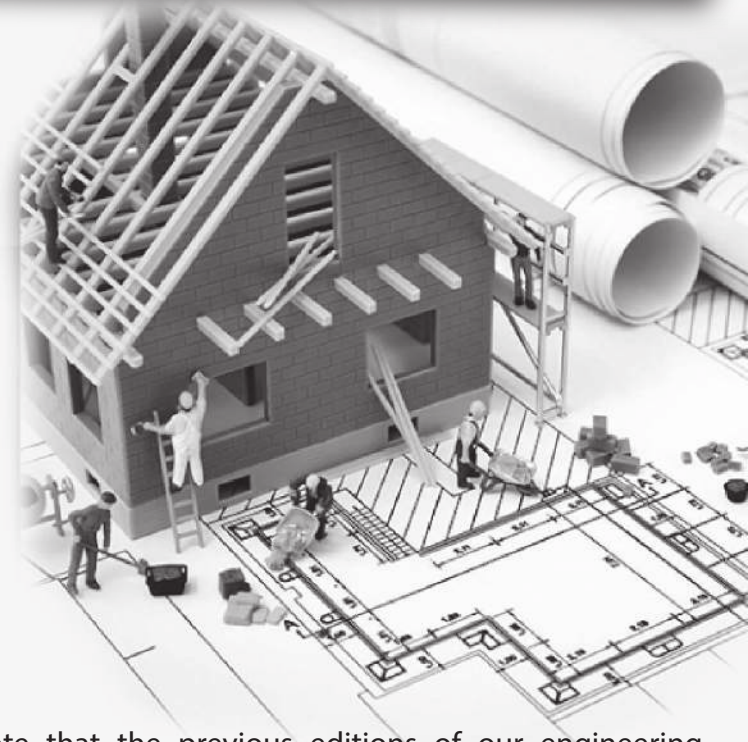
With regards & best wishes,

Prof. Swarupa Ojha
Editor, Om Craft - 2021

DEPARTMENTAL ACTIVITIES

DEPARTMENT OF

CIVIL ENGINEERING



I am very pleased to note that the previous editions of our engineering department magazine "OMCRAFT" brought out, appreciated very well. College magazine is a record of all activities that have taken place in the academic year and also a platform to display creative thoughts and literary talents.

Heartily congratulations to editorial team. The name and fame of an institute depend on the calibre and achievement of students and teachers. The role of the teachers is to nurture the skills and talents as facilitator. In this platform, students and faculty members where they can share the knowledge, experience and talents in terms of written articles.

The magazine is going to showcase the strength of the institute.

Let this be a forum to exhibit the potential of faculty and students with their literary skills and innovations.

I extend best wishes for the success of the endeavor.

Prof. Gautam Bondyopadhyay

TIC, CE Department

Participation of Faculty Members in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs:-

- Prof. Gautam Bondyopadhyay, TIC, attended a webinar on "Tendering Process & Contract Management" as a guest speaker, organized by National Productivity Council, on 2nd February, 2021
- Prof. Sk. Kamrul Alam attended a seven days STTP program on "Settlement & Bearing Capacity Analysis of Shallow Foundations", organized by NITTTR, Kolkata, from 3th to 7th August, 2020
- Prof. Sk. Kamrul Alam attended a virtual internship on STAAD Pro software organized by INTERNSHALA from 23rd March to 2nd June, 2021

Publication of Research Papers in Journals :-

Alam, S.K., Mondal, A. & Shiuly, A. "Prediction of CBR Value of Fine Grained Soils of Bengal Basin by Genetic Expression Programming, Artificial Neural Network and Krigging Method". J Geol Soc India, 95, 190–196 (2020), Springer.

Participation of Students in Seminar / Workshop / STP:-

- Sanjukta Koley, a student of 4th year, participated in a seminar "Technology Upgradation in Concrete Structures Using Supplementary Cementitious Materials (SCM)", organized by UltraTech Cement on 20th March, 2021
- Samphel Moktan, a student of 2nd year, participated in a Workshop "Employability Skill Training", organized by Mahindra Pride Classroom on September, 2020.

Participation of Students in Various Competitions :-

- Raktim Das, a student of 2nd year, participated in a National Level Quiz on "National Educational Policy 2020", conducted by Unnat Bharat Abhiyan cell of Sri Ranganathar Institute of Engineering and Technology, Coimbatore on 19th Oct, 2020
- Raktim Das, a student of 2nd year, participated in a National Level E-Quiz on Entrepreneurship Development organised by the Department of Commerce University Institute of Technology, University of Kerala on 15th April, 2021.

Participation of Students in Various Training/Internships :-

INDUSTRIAL TRAINING :

Students of Civil Engineering department (mainly 6th Semester) have undertaken industrial training every year during semester break in the various govt. and non govt. organisations as indicated below:

- Shapoorji Pallonji Group
- Simplex Infrastructure Ltd.
- Design & Research (I & WD), Govt. of West Bengal
- Contai Irrigation Dept., Govt. of West Bengal
- PWD, Govt. of West Bengal
- PHE, Govt. of West Bengal

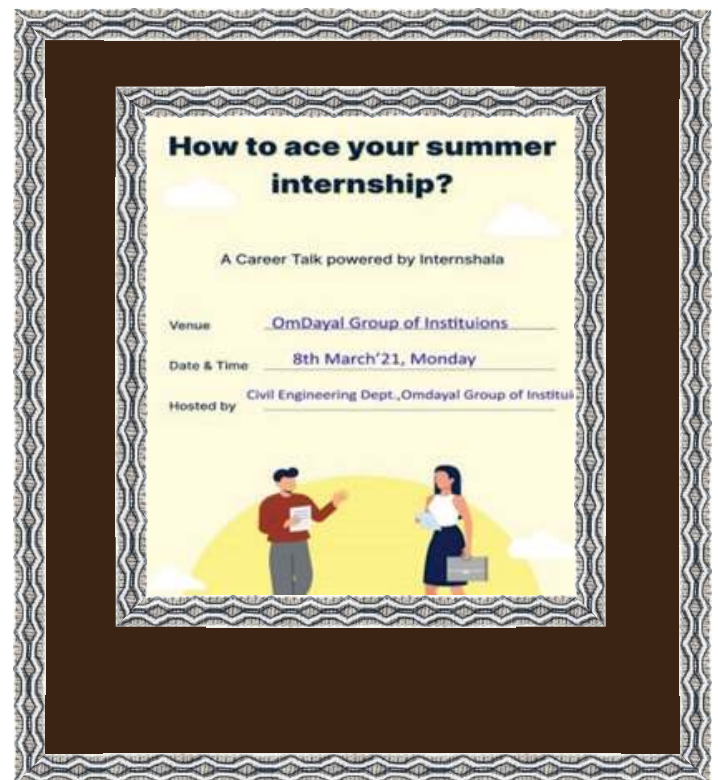
INTERNSHIP PROGRAM :

Four of our final year students undergoing Internship in the company 'REMOTE SENSING INSTRUMENTS, HYDERABAD' the consultancy agency at Howrah municipal corporation for the 'Preparation of the GIS based Master plans' for six months. Students are conducting several analytical studies and on-field surveys to collect the primary and secondary information necessary for the project.



Seminar / Workshop organised by the department:-

The Department had organised an Online Workshop on “How to Ace Summer Internship” under the guidance of INTERNSHALA on 8th March, 2021 and the event was coordinated by Prof. Sk. Kamrul Alam. All students and faculties of the department had participated in the said event.



Future plans for next academic session:-

- Redefine PEO's and PO's of Civil Department
- To initiate the Outcome Based Education, Monitor and Implement Effectively.
- The department has planned to start consultancy in testing of Material (Cement, Concrete, Steel, Tiles, and Bricks etc.), testing of raw water as well as waste water for agricultural use in Environmental Engineering lab.
- The department has also planned to start Project Management Consultancy.

- The department is looking forward to organizing some conferences or courses which will allow people from other institutes or places to come and interact with the students and faculties. This will be a step towards improving the teaching-learning process.
- The branch is also looking to advance by recording lectures and courses which can be accessed by people all over the world.
- Attract and support innovative, inspiring and diverse faculty and staff to enhance research and teaching impacts, reputation and ranking.
- Despite many difficulties, this department has always tried to think on its feet and build a way out. But its foundation and structure are strong and unshaken; all the while educating students towards building a better future.
- Develop new degree programs to address civil and environmental engineering challenges in the changing world.

Some Alumni of the Department : -

		
<p>Diptesh Ghosh Batch 2020 Persuing PGPACM at NICMAR, Hydrabad</p>	<p>Hajjaj Bin Kashem Batch 2019 Working in Cyber SWIFT</p>	<p>Tasneem Ali Batch 2019 Pursuing Master's in University of Leeds, UK</p>
		
<p>Arkajit Dutta Batch 2019 Working at TPF Engineering, Mumbai</p>	<p>Subham Hazra Batch 2019 Working in Mashery Basel (Al Almia) Sub Contractor of L&T, OMAN</p>	<p>Subhajit Basak Batch 2019 Working in EDUCADD, Kolkata</p>
		
<p>Bhaskar Das Batch 2019</p>	<p>Priyank Patel Batch 2016 Director of operation and business</p>	

DEPARTMENT OF

COMPUTER SCIENCE AND ENGINEERING



The department of Computer Science & Engineering offers B.Tech in Computer Science & Engineering and D.Voc course. The department has highly experienced and qualified faculty with well-developed laboratories. The department is active with several events and activities for the students throughout the year. The department strives for the overall development of students by arranging invited talks by eminent personalities and technocrats, seminars on recent developments. Students are exposed and trained by experts of various institutions in various value-added courses like data analytics, cyber security, python, R, Java, Android programming etc. The students participated in cultural and technological festivals, sports to display and enhance their skills.

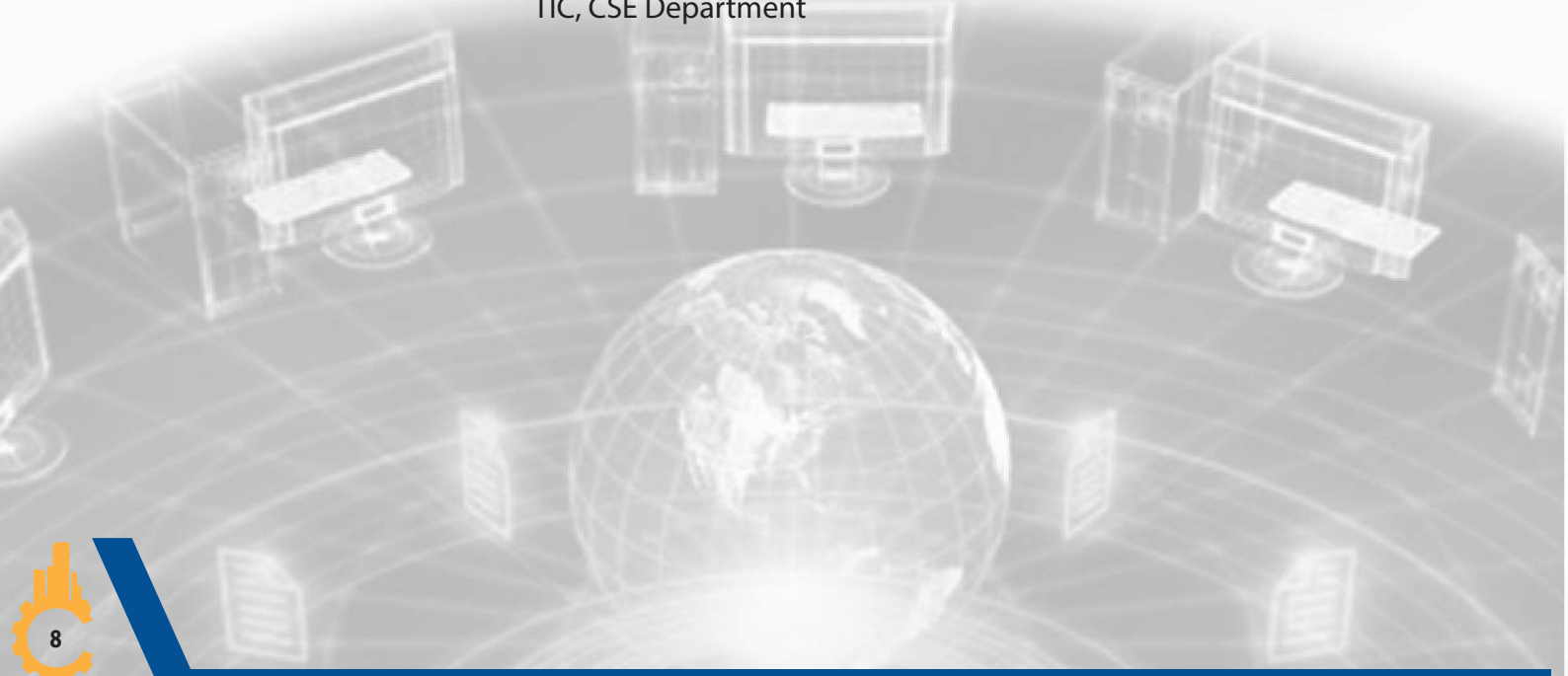
At the time of pandemic, the students are not sitting idle. They are learning from online courses from NPTEL, Coursera etc. along with along with regular online classes by college faculties. Online coding competition, online webinar is being organized for the students.

Our students are placed in top ranking software industries and other organizations. Many students are getting different internship opportunities. We are dedicated to mould our students to become successful engineers in the field of computer science, entrepreneur and future leaders with knowledge, analytical skills, creativity, and ethics to develop the innovative solution to challenging problems.

Best wishes

Prof. Dipankar Hazra

TIC, CSE Department



Participation of Faculty Members in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs:-

- Prof. Dipankar Hazra, TIC, has participated in a conference on “1st International Conference on Machine Intelligence & Soft Computing” organized by Vignan’s Institute of Information Technology and VFSTR Deemed to be University on 3rd and 4th September, 2020
- Prof. Saikat Pahari has attended an online training sessions on “Orientation and Adoption of NISP at HEI Level” and “Policy Implementation Strategy and Progress Monitoring in HEI Level” organized by AICTE during 7th - 21st August, 2020
- Prof. (Dr.) Dhruvajyoti Ghosh has participated in a Five Days Online Faculty Development Program on ‘ARTIFICIAL INTELLIGENCE’ under the Scheme of AICTE Training And Learning (ATAL) Academy, sponsored by All India Council for Technical Education (AICTE), New Delhi organized by Department of Computer Science and Applications, Doctor Harisingh Gour University, Sagar (M.P.) during 25th - 29th May , 2020
- Prof. (Dr.) Dhruvajyoti Ghosh has participated in a 2-Day Webinar on “Application of Data Science and Soft Skill (WADSSS-2020)” organized by the Department of Mathematics, National Institute of Technology Durgapurin collaboration with ORSI Durgapur Chapter during 26th - 27th September, 2020
- Prof. (Dr.) Dhruvajyoti Ghosh has completed a 6-week online training on “Programming with Python” under Internshala Trainings Faculty Development Program during Dec 2020 - Jan 2021
- Prof. Indrani Mukherjee has participated in a 3-day webinar on “Online Education in a Changing Times: Problems and Prospects” organized by Vidyasagar University Teacher’s Association (VUTA), Vidyasagar University, Paschim Midnapore, West Bengal, during 5th -7th July, 2020
- Prof. Indrani Mukherjee has participated in 3-day international webinar on “The Role of Applied Mathematics in Present Global Crisis” organized by Department of Applied Mathematics with Oceanology & Computer Science, Vidyasagar University, Paschim Midnapore, West Bengal, during 5th - 7th August, 2020
- Prof. Santosh Das has participated in the webinar on “Recent approaches for routing in wireless sensor network” held on 7th July, 2020
- Prof. Santosh Das has participated in One Day Webinar on “Neural Networks and a brief insight into Deep Learning” organized by the Department of Computer Science, Scottish Church College, in collaboration with IQAC, on 10th July, 2020
- Prof. Santosh Das has participated in an online FDP on "Artificial Intelligence" organized by AICTE Training And Learning (ATAL) Academy from 19th - 23rd October, 2020 at Rajagiri School of Engineering and Technology
- Prof. Santosh Das has participated in an online workshop on “Accelerated Data Science” conducted by NSM Nodal Centre, Indian Institute of Technology Kharagpur and NVIDIA under the aegis of the National Supercomputing Mission during 20th & 21st February, 2021

- Prof. Santosh Das has participated in the one day technical seminar on “Signal Systems and Biomedical Applications based on Deep Learning” organized by Department of Electronics & Communication Engineering of Surendra Institute of Engineering & Management, West Bengal, India held on 4th March, 2021
- Prof. Santosh Das has participated in “International conference on recent trends on engineering and technology” organized by Mallabhum Institute of Technology, West Bengal, India during 18th - 20th March, 2021
- Prof. Santosh Das has participated in one day expert talk on “A Beginner’s Guide to Patent and Patenting Process” organized by the Department of Mechanical Engineering of MCKV Institute of Engineering on 17th April 2021
- Prof. Abhijit Bera has participated in a webinar titled "Data Mining And Applications" organized by Department of Information Technology Maulana Abul Kalam Azad University of Technology, West Bengal, India, on 20th June, 2020
- Prof. Abhijit Bera has participated in an International webinar on “Introduction of AI Computer Vision and Robotics” organized by Department of Computer Science & Engineering, Indore, M.P on 1st June, 2020
- Prof. Abhijit Bera has participated in a webinar titled "Cryptography, Network Security and Cyber security" organized by Maulana Abul Kalam Azad University of Technology, West Bengal, India, held on 21st August, 2020.

Publication of Research Papers in Journals:-

- Dipankar Hazra, Debnath Bhattacharyya and Tai-Hoon Kim, “A Random Forest based Leaf Classification using Multiple Features”, 1st International Conference on Machine Intelligence & Soft Computing pp.:227-239, 2020
- Indrani Mukherjee, “Detection of Fog and Haze in a Satellite Image Using Unsupervised Learning Method”, International Webinar The Role of Applied Mathematics in Present Global Crisis, 2020
- Abhijit Bera, Mrinal Kanti Ghose and Dibyendu Kumar Pal “Sentiment Analysis of Multilingual Tweets based on Natural Language Processing (NLP)”, International Journal of System Dynamics Applications (IJSDA) , Volume X, Issue-IV, Article-XVI ,ISSN: 2160-9772, 2021
- Santosh Das and Anup Kolya, “Overview of Various Optimization Techniques for Recommendation System”, International Journal of Innovations in Engineering Research and Technology. pp.:99–103, 2021.

Achievements of Faculties:-

- Prof. (Dr.) Dhruvajyoti Ghosh has invited as a resource person and delivered a lecture in a five days online Faculty Development Program (FDP) on “Artificial Intelligence” under Scheme of AICTE Training And Learning (ATAL) Academy Programs sponsored by AICTE, organized by Department of Computer Science & Applications, Dr Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh during 25th - 29th May, 2020.
- Prof. Santosh Das got three International Memberships:
 - i. ACM Membership
 - ii. I2OR Membership
 - iii. IAENG Membership

Participation of Students in Seminars / Workshops / Trainings / other events:-

- Diya Dey, a student of final year, has participated a training program of “Database for Developers: Foundations” in Oracle
- Sonam Choudary, a student of 3rd year, has participated in two-day event “IEEE CS Sameeksha 2021”, organized by “IEEE Vardhaman College of Engineering Student Branch” in collaboration with “IEEE Sri Venkateswara College of Engineering(SVCE) Student Branch” from 8th – 9th May,2021
- Purnima Ray, Oishik Sinha and Aritra Mukherjee, students of 3rd year, have participated in “Google Cloud Community Days India”, organized by GDG Cloud Communities in India on 22nd -23rd January, 2021
- Diya Dey, a student of final year, has participated 4.5 hours training program of “Python & Data Science for Beginner” on 25th April, 2021 in Udemey
- Purnima Ray, a student of 3rd year, has participated in 5 hours training program of “Python for Beginners-Learn All the Basics of Python” on 11th July,2020 in Udemey
- Purnima Ray, a student of 3rd year, has participated in 3 hours training program of “MS EXCEL/EXCEL 2020-the complete introduction to Excel” on 10th July, 2020 in Udemey
- Purnima Ray, a student of 3rd year, has participated 23 hours training program of “The Ethical Hacking Master Class” on 2nd July, 2020 in Udemey
- Oishik Sinha, a student of 3rd Year, has completed online training in “Machine Learning” from Coursera on 14th February, 2021
- Oishik Sinha, a student of 3rd year, has completed online training in “Graph Search, Shortest Paths and Data Structure” from Coursera on 22nd January, 2021
- Oishik Sinha, a student of 3rd year, has completed online training in “Divide and Conquer, Sorting and Searching and Randomized Algorithm” from Coursera on 24th November, 2020
- Oishik Sinha, a student of 3rd year, has completed online training in “Building Web Applications in PHP” from Coursera on 5th October, 2020

- Oishik Sinha, a student of 3rd year, has completed online training in “Shortest Paths Revisited, NP-Complete Problems and What to do About Them” from Coursera on 15th May, 2021
- Oishik Sinha, a student of 3rd year, has completed online training in “Greedy Algorithms, Minimum Spanning Trees, and Dynamic Programming” from Coursera on 25th March, 2021
- Trisha Mondal, a student of 2nd year, has participated an webinar titled “Data Mining and Applications”, organized by Department of Information Technology of Maulana Abdul Kalam Azad University on 20th June, 2020
- Trisha Mondal, a student of 2nd year, has participated an webinar titled “Application of Artificial Intelligence in Geo-Spatial Data”, organized by Department of Information Technology of Maulana Abdul Kalam Azad University on 13th June, 2020
- Trisha Mondal, a student of 2nd year, has participated an webinar titled “Future of Higher Education Post COVID-19 Outbreak : A Perspective of Asia and Europe”, organized by Department of Information Technology of Maulana Abdul Kalam Azad University on 12th June, 2020
- Trisha Mondal, a student of 2nd year, has participated an international webinar titled “Application of Artificial Intelligence on Geo-Spatial Data : A Pandemic View from Space”, organized by Department of Information Technology of Maulana Abdul Kalam Azad University on 30th May, 2020.

Achievements of the Students:-

Rupdeepa Ghosh, a student of 3rd year, awarded First prize in the Poster Competition titled “Fingerprint Based ATM System” in Royal Mechonz’20, a National Level Virtual Technical Symposium conducted by the Department of Mechanical Engineering on 29th October, 2020.

Participation of Students in various Internships:-

- Sagupta Parveen, a student of final year has successfully completed an Internship program under the guidance of Dr. Ranjeet Kumar Rout of National Institute of Technology Srinagar on the topic of “Parkinson’s Disease Analysis Using Data Science Techniques and Methods” from 4th January, 2021 - 4th May, 2021
- Sonam Choudary, a student of 3rd year, has successfully completed a Virtual Internship Program on the topic of “Study the New Initiatives of Govt of India, Amazon and Job in Digitizing Retail Markets and Propose Process Improvement Techniques and Best Learning for Startup India Initiative”, during the period of 4th May, 2020 - 22nd June, 2020 in Harappa
- Sonam Choudary, a student of 3rd year, has participated in a 15 days “Online Digital Marketing A to Z Course” in September, 2020 in IIM Bangalore
- Srishti Karn, a student of final year, has successfully completed a six weeks training program on “Digital Marketing” in Internshala Trainings

- Srishti Karn, a student of final year, has successfully completed a Content Writing Internship under Huda Sameer from 15th February 2021- 30th March, 2021.
- Oishik Sinha, a student of 3rd year, has completed an internship under the designation Full Stack Web Developer in carsdashcam.com from May.2020 - November, 2020
- Oishik Sinha, a student of 3rd year, has completed an internship under the designation Python Background Developer in EduGorilla Community Pvt Ltd during April, 2021
- Pritha Mukherjee, a student of final year, has completed an internship under the designation SEO INTERN in Samagra Foundation from October 2020 - November 2020
- Pritha Mukherjee, a student of final year, has completed an internship under the designation SEO INTERN in Refine Interactive from November, 2020 - January, 2021
- Pritha Mukherjee, a student of final year, has completed an internship under the designation SEO INTERN in Favtutor from January, 2021 - March, 2021
- Pritha Mukherjee, a student of final year, has completed an internship under the designation SEO AND WORDPRESS INTERN in Monkhub Innovations from March, 2021 - May, 2021
- Pritha Mukherjee, a student of final year, has completed an internship under the designation Growth Hacker in Aeroleads from 5th May, 2021
- Pamela Sengupta, a student of final year, has joined under the designation Website Consultant in Paperlink Software Ltd from 22nd February, 2021
- Rupdeepa Ghosh, a student of 3rd year, has successfully completed the part-time Virtual Internship of our International Internship Volunteering Projects (IIVP) on the project "Digital Marketing" at 7th Sense TM Management Consulting & Training Limited, II VP for the duration of 3 to 4.5 hours per day, 6 days per week for 8 months from 25th August, 2020 to 30th April, 2021.

Events Organized by the Department:-

- An online coding competition in Python was organized by the department on 18th August, 2020 for the students of class XI and XII of nearby schools. It was organized online using onlingdb.com. Certificates and prizes were distributed to the students.
- An online coding competition in C language organized by the department on 22nd July, 2020 for the students of class XI and XII of nearby schools. It was organized online using onlingdb.com. Certificates and prizes were distributed to the students.

Plans for next academic session:-

- To conduct two weeks Training on R or Python for the students
- To conduct Coding & Poster competition for students
- To conduct a Webinar on Recent Technology of Computer Science & Engineering

Some Alumni of the Department :-



Aniket Ghosh
Batch 2020
B.tech in C.S.E.
Working at TCS



Soumili Koley
Batch 2020
B.tech in C.S.E.
Working at Capgemini



Ankan Ghosh
Batch 2020
B.tech in C.S.E.
Working at Capgemini



Sukalyan Makal
Batch 2020
B.tech in C.S.E.
Working at George
Telegraph



Puspen Nag
Batch 2020
B.tech in C.S.E.
Higher Studies(MBA) in
Marketing, Eilm



Sayantika Dutta
Batch 2020
B.tech in C.S.E.
Working at Persistent System



Aharna Laha
Batch 2020
B.tech in C.S.E.
Working at Zensar



Vishal Ghosh
Batch 2020
B.tech in C.S.E.
Working at Nrxen IT
Technologies



Abhishek Chatterjee
Batch 2019
B.Tech in C.S.E.
Working at CTS



Kaphil Ahmed
Batch 2019
B.Tech in C.S.E
Working at Genpact

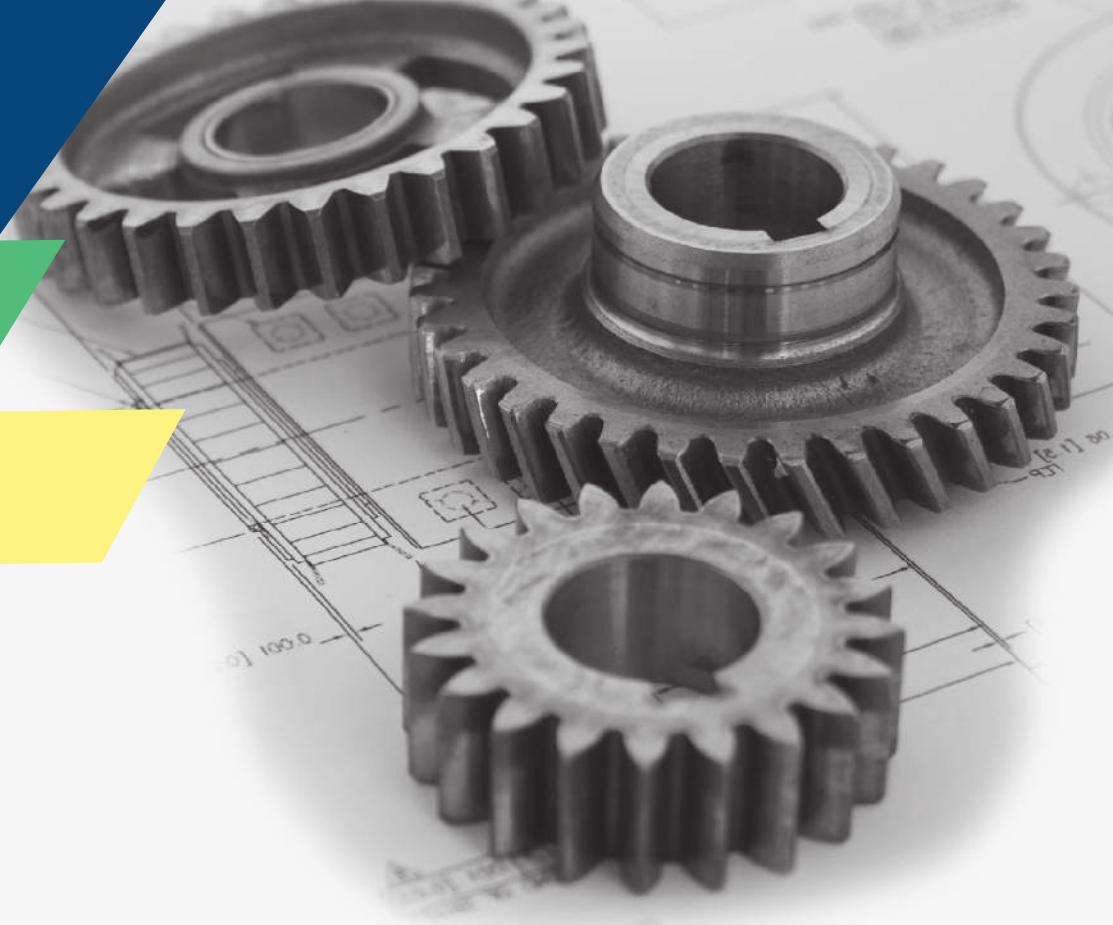


Kaustav Hazra
Batch 2019
B.Tech in C.S.E
Working at Codeclouds



Pratibha Shah
Batch 2019
B.Tech in C.S.E
Working at Capgemini

DEPARTMENT OF

MECHANICAL
ENGINEERING

It is a matter of immense pleasure that OmDayal Group of Institutions is publishing its 6th volume of the Newsletter 'OmCraft'. On behalf of the entire Mechanical Engineering Department, I would like to appreciate everyone's endeavour in this regard.

The journey of Mechanical Engineering Department of this Institution started in 2010. Since the inception, the Department has always emphasized quality teaching-learning and provided a favourable environment for the holistic development of the students. Despite the Covid-pandemic issues, the Department has successfully conducted all the required academic and allied activities through virtual mode during this academic session. The Department has organized several co-curricular activities like Webinars, Online Quiz-competitions, etc. Online internships and training programmes were also arranged for the students. I believe that participation in such curricular and co-curricular activities periodically has significantly enhanced the technical knowledge of our students. The faculty members of the Department have also participated in many national and international webinars, workshops, conferences, and faculty development programs. Some faculty members have carried out excellent research work this year, which has resulted in the publication of several research papers in various reputed international journals. All the major events and activities held during this academic session have been highlighted here in the Newsletter. I heartily congratulate every student, faculty, and staff member of the Department for making all those events successful.

I earnestly believe that this edition of the newsletter will be able to highlight the achievements of the students and the faculty members as well as the innovative works occurring in the Department successfully.

Best wishes,

Prof. Ramen Kanti De

TIC, ME Department

Participation of Faculty Members in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs:-

- Prof. Ramen Kanti De, Prof. Arindam Banerjee, Prof. Ranjit Barua & Prof. Kunal Adhikary participated in a 3-Day FDP on “Advancement in Industrial Automation and Environmental Friendly Manufacturing” organized by Asansol Institute of Engineering and Management- Polytechnic, Asansol, from 28th December to 30th December, 2020
- Prof. Ramen Kanti De, Prof. Ranjit Barua and Prof. Sumit Bhowmik participated in 35th Indian Engineering Congress, organized by The Institution of Engineers (India), from 18th to 20th December, 2020
- Prof. Ramen Kanti De and Prof. Ranjit Barua participated in a 2-Day FDP on “Emerging Trends in Mechanical Engineering” organized by Dr. B. C. Roy Polytechnic College, Durgapur from 3rd to 4th July, 2020
- Prof. Ranjit Barua participated in a 5-Day AICTE-ATAL FDP on “Robotics” organized by Vidya Academy of Science and Technology, Thrissur, Kerala, from 11th to 15th January, 2021
- Prof. Ranjit Barua participated in a 2-Day National Seminar on “Ancient Indian Education System” organized by NITTTR-Kolkata, on 11th & 12th November, 2020
- Prof. Ranjit Barua Participated in a 1-Day National Seminar on “Advances in Machining” organized by NITTTR-Kolkata on 26th September, 2020
- Prof. Ranjit Barua participated in a 5-Day AICTE-ATAL FDP on “Additive Manufacturing Technology” organized by Vasireddy Venkatadri Institute of Technology, Namburu, Andhra Pradesh, from 21st to 25th September, 2020
- Prof. Ranjit Barua participated in a 5-Day AICTE-ATAL FDP on “Green Technology and Sustainability Engineering” organized by St. Joseph College of Engineering, Chennai, from 7th September to 11th September, 2020
- Prof. Ranjit Barua participated in IEEE International Conference on “Convergence in Engineering” organized by NSEC-Kolkata, on 5th & 6th September, 2020
- Prof. Ranjit Barua participated in International Symposium on “Energy and Sustainable Development: A Gandhian Approach” organized by IIT-Patna and Aalborg University, Denmark on 7th August, 2020
- Prof. Deepanjan Das participated in the 5-Days Faculty Development program on “Universal Human Values” conducted by AICTE from 18th to 22nd January, 2021
- Prof. Deepanjan Das participated in the 1-Day webinar on “Research Facility Training Program” conducted under SSR of DST-CRG Project on 9th October, 2020
- Prof. Deepanjan Das participated in the 5-Days Faculty Development program on “Deeksharambh (Student Induction Program)” conducted by NIT, Patna from 10th to 14th August, 2020
- Prof. Sumit Bhowmik participated in the One-Day Webinar on “Electric Vehicles and Grid Integration of Renewable Energy Systems” conducted by National Productivity Council (Govt. of India) on 29th August, 2020
- Prof. Sumit Bhowmik participated in the One-Day Webinar on “Effective Management of Digital Footprint” conducted by National Productivity Council (Govt. of India) on 28th August, 2020
- Prof. Sumit Bhowmik participated in the One-Day Webinar on “Augmented Reality & its Applications” conducted by McGraw Hill on 5th August, 2020

- Prof. Arindam Banerjee participated in a Week Long FDP Program on 'Research Trends in Science and Technology' organized by Institute of Engineering and Management (IEM) Kolkata from 27th July to 31st July, 2020
- Prof. Arindam Banerjee participated in a 5-day FDP Program on 'Robotics' organized by K.E. Society's Rajarambapu Institute of Technology, Rajaramnagar from 7th to 11th December, 2020.

Publication of Research Papers in Journals:-

- Ramen Kanti De, Aritra Ganguly, "Modelling and analysis of a solar thermal-photovoltaic-hydrogen-based hybrid power system for running a standalone cold storage", Journal of Cleaner Production, Elsevier, 293, pp. 1-15, 2021. doi: 10.1016/j.jclepro.2021.126202
- Ranjit Barua, Dolon Kmar Das, "Experimental Analysis the Forward and Reverse Motion of Three Omnidirectional Wheel Robot (TODWR)", Journal of Mechanical Robotics, Vol. 05, No. 03, pp. 12-15, December 2020. doi: 10.46610/JoMR.2020.v05i03.003
- Dolon Kumar Das, Ranjit Barua, Sudipto Datta, "Influence of Copper Addition on Mechanical Properties and Microstructure of Eutectic Al-12Si-Xcu Alloy Produced Through Powder Metallurgy Process", Journal of Advancements in Material Engineering, Vol. 05, No. 02, pp. 23-27, August 2020, doi:10.46610/JOAME.2020.v05i02.001
- Ranjit Barua, Sudipto Datta, Amit Roy Chowdhury, Pallab Datta, "The Advancement of 3D Bio printing Technology used as Bio-Manufacturing Process" Publishing as technical notes at the IEI Technical volume book "Engineering for Self-Reliance and Sustainable Goals" (35th Indian Engineering Congress, organized by The Institution of Engineers (India), from 18th December to 20th December, 2020.) pp. 1253-1257. ISBN 978-81-950662-0-9.

Participation of Students in Seminars / Workshops / STPs:-

- Students of the department participated in a one-day webinar on Solidworks Product Modelling and Analysis organized by CADD Centre, New Alipore on 8th May, 2021
- Students of the department participated in a one-day webinar titled Virtual Master class on Electrical Vehicle organized by CII (Confederation of Indian Industry) on 27th June, 2020
- Students of the department participated in a one-day webinar titled Virtual Master class on Industrial Automation organized by CII (Confederation of Indian Industry) on 19th June, 2020
- Students of the department participated in a one-day webinar titled Virtual Master class on Machine Learning organized by CII (Confederation of Indian Industry) on 14th June, 2020.

Events Organized by the Department:-

An Online Quiz Competition, Q-riosity 1.0 was organized and conducted by the Department of Mechanical Engineering, OmDayal Group of Institutions on 17th August, 2020. The program started with a virtual introductory session with the participants followed by the online quiz.



Upcoming Seminar / Webinar / Quiz Competition in current semester:-

An upcoming Webinar on “Recent Trend to Save Global Environment” will be organized by Mechanical Engineering Department in the month of June 2021. Mr. Debabrata De, Executive Director in WBPDC and Chief Adviser in NWEPTI, will be the Chief Guest Speaker of the event.

Plans for next academic session:-

- To conduct Physical or Virtual Industry visits for the students of the Department of Mechanical Engineering
- Online co-curricular activities like webinars and online quiz competitions, in addition to in-house seminars, workshops and poster presentations are to be conducted
- To conduct online and in-house mock interviews and job-oriented skill training for the students.

Some Alumni of the Department:-



Souvik Chatterjee
Batch:2015
Completed M.Sc and Pursuing PhD from University of Applied Sciences, Wiener Neustadt – Austria (Vienna)



Md. Yasir Ali
Batch:2015
Sr. Engineer at Powermech Project Ltd Plant Loy Yang Power Station, Melbourne



Sayon Dey
Batch:2015
Pursuing PhD from NIT, Patna after completing Master's from Jalpaiguri Govt Engg. College



Raju Adhikary
Batch:2015
Assistant HOD of Mechanical Maintenance Dept. at McNally Bharat Engineering Company Limited



Arnab Singha Ray
Batch:2015
Working in Indian Navy



Shikharul
Batch:2017
Working as R&D Engineer at Gem Allied Industries Pvt Ltd



Shikharul Mohammad
Batch:2017
Working as Assistant Engineer at Kirwah Industries Pvt Ltd.



Rajnish Kumar Suryabanshi
Batch:2017
Working as Maintenance Engineer at Thermax Limited.



Dipanjan Dey
Batch:2018
Working as Engineer at Ceratizit India Pvt. Ltd.

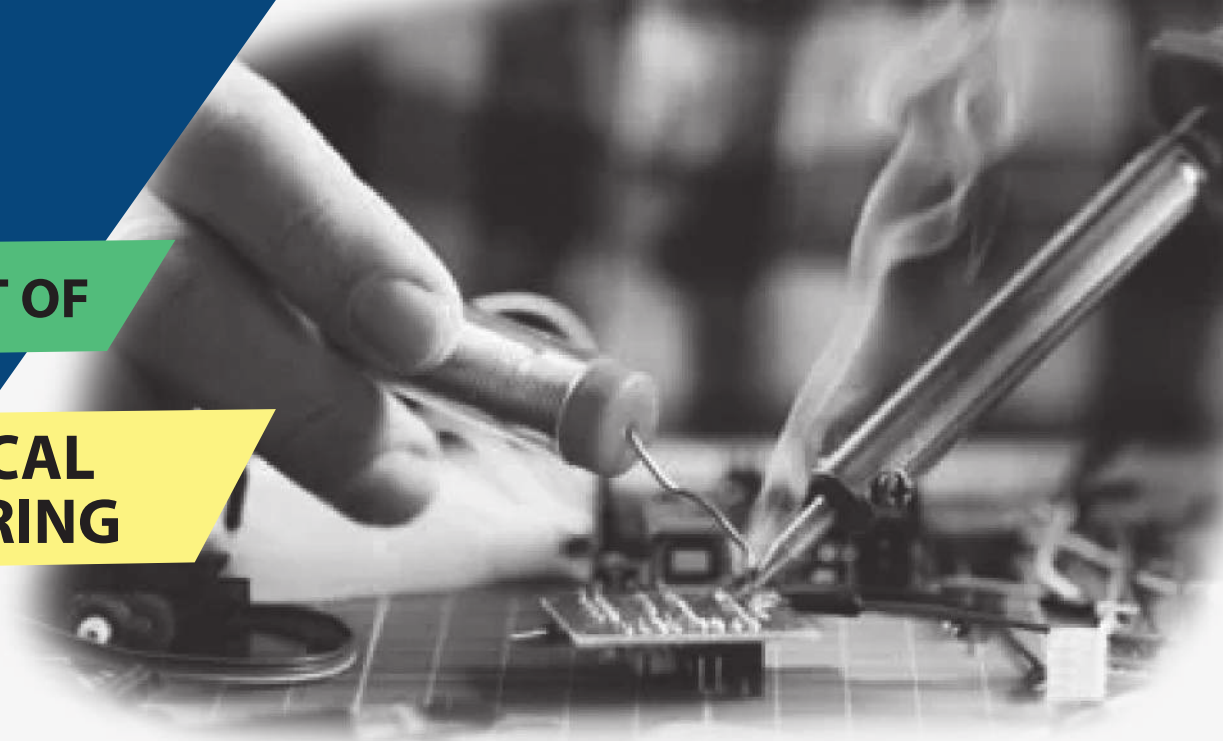


Koushik Dwary
Batch:2019
Junior Programmer & Inspector at SMC Pneumatic India Pvt Ltd., Pune



Avitesh Kumar Singh
Batch:2020
Trainee Engineer at Pinnacle InfoTech Solutions

DEPARTMENT OF

ELECTRICAL
ENGINEERING

Since inception in 2018, Electrical Engineering Department remained active and has put conscious effort to ignite and cultivate engineering minds. The department has an intake of 60 students and offers four years B. Tech degree in Electrical Engineering on successful completion of the course. The department has well stock of books in the library and library is providing e-book facilities to the students considering current pandemic situation. It has state of the art labs. Going beyond our university curriculum, the department has additional labs and experiment facilities to uphold the updated knowledge among students. Keeping students at the centre of activities, the department provides excellent theoretical knowledge and labs where students can make projects, models they like be it for college tech fest or other things. The department introduced Inter-College Technical Quiz Contest for the first time in the college. And it had overwhelming response in terms of student's love for technical learning. Besides, department organizes Industrial Visits, conducts PPT Contests etc.

As flowers enhance the beauty of a garden so the students do in the college. We are not seeing our students since lockdown in March 2020 and we are agog to see them. When COVID locked ourselves to rooms and face-to-face teaching was not possible we promptly switched to online classes. Thanks to 4G inventors!

I take this opportunity to thank faculties and students alike for their cooperation in this difficult time. I also thank editorial board for taking a such great effort in showcasing and inspiring talents through the newsletter-OmCraft.

Be healthy,

Prof. Swapan Kumar Majumder

TIC, EE Department

Participation of Faculty Members in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs:-

- Prof. Swapan Kumar Majumder, TIC, participated in online FDP on “Participative Teaching Learning Methods Case Study Analysis” held from 15th to 20th March, 2021 organized by JNTUA School of Management Studies and Directorate of Faculty Development IQAC, JNTUA, Ananthapuramu
- Prof. Swapan Kumar Majumder, participated in AICTE sponsored 6-days online short term training program on “Business Analytics” held during 12th - 17th October, 2020 organized by Department of Computer Science & Engineering (NBA Accredited), MCKVIE
- Prof. Swapan Kumar Majumder, participated in a Webinar on “Sensor and Advanced Data Acquisition System” organized by Maulana Abul Kalam Azad University of Technology, West Bengal on 18th Jun, 2020.

Participation of students in Internship / Training Programs:-

- Rajrajeswari Bag, a student of 2nd year, successfully secured Campus Ambassador internship at International Model United Nations through Internshala on 13th June, 2020
- Rajrajeswari Bag, student of 2nd year, successfully secured COVID-19 Crowd funding (Open Positions – 10000) internship at Hamari Pehchan NGO through Internshala on 10th June, 2020
- Rajrajeswari Bag, student of 2nd year, successfully secured Subject matter expert internship at Mad Educators through Internshala on 1st January, 2021
- Rajrajeswari Bag, student of 2nd year, successfully secured Subject matter expert internship at Intellify through Internshala on 31st March, 2021

Participation of students in Seminars / Workshops / other events :-

- Rajrajeswari Bag, student of 2nd year, participated in the international webinar on Geo-spatial Data : “A Pandemic View from space” on 6th June, 2020 organized by Dept of Information Technology, Maulana Abul Kalam Azad University of Technology, West Bengal
- Rajrajeswari Bag, student of 2nd year, participated in the webinar on “Telemedicine Series-I” on 14th June, 2020 organized by Maulana Abul Kalam Azad University of Technology, West Bengal
- Rajrajeswari Bag, student of 2nd year, participated in the webinar “Staff Oriented program – Cyber security and us” on 19th and 26th July, 2020, organized by Hiralal Majumder Memorial College for Women, Kolkata, West Bengal
- Rajrajeswari Bag, student of 2nd year, participated in the National Webinar “Picturing The Future of Healthcare through Molecular Imaging” on 2nd August, 2020, organized by IQAC in collaboration with Department of Chemistry, Hiralal Majumder College for Women.

Participation of students in various competitions:-

Rajrajeswari Bag, student of 2nd year, participated in National Level online awareness quiz programme entitled "COVID-19 Prevention Awareness Campaign" during July-September 2020 organized by Department of Political Science of Swami Vivekananda Mahavidyalaya, Mohanpur, Tripura.

Events Organized by the Department:-

The department organized online Science Quiz Contest (OMEQUIZZARO-I) for 11th & 12th science students on 20th & 21st September, 2020 respectively. 153 students from numerous schools across the state enthusiastically participated in the quiz. Certificates and prizes were distributed to the students.



Plan for next academic session :-

- To organize Industrial Visit
- To provide platform for Technical Exhibition
- To arrange Seminar
- To arrange Parent Teacher Interaction Session
- To organize Inter College Technical Quiz Contest.

**DEPARTMENT OF****ELECTRONICS &
COMMUNICATION ENGINEERING****Participation of Faculty Members in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs:-**

- Prof. Swarupa Ojha attended a webinar on “Recent Trends in Machine Learning & Artificial Intelligence for Image Processing”, conducted by Department of Electronics and Communication Engineering, Dr. Mahalingam College of Engineering and Technology, Pollachi on 04th June 2021
- Prof. Swarupa Ojha participated in a one-week online Short-Term Training Program on “Emerging Nanoscale Devices, Circuits and Its Applications” organized by Delhi Technological University from 10th to 14th May, 2021
- Prof. Poulomi Das participated in a Short-Term Training Program on “Image Processing using Matlab”, organized by National Institute of Technical Teachers’ Training and Research (NITTTR), Kolkata, West Bengal during 24th - 28th May, 2021
- Prof. Swarupa Ojha and Prof. Poulomi Das attended a Webinar on “Sorrow-Depression-Joy, under the theme: Key to achieving bliss lecture series”, organized by Maulana Abul Kalam Azad University of Technology, West Bengal on 16th May, 2021
- Prof. Swarupa Ojha and Prof. Poulomi Das attended a Webinar on “Awareness Webinar on Outcome Based Education and Accreditation for the Engineering Colleges in West Bengal”, organized by National Board of Accreditation, New Delhi in association with Maulana Abul Kalam Azad University of Technology, West Bengal on 15th December, 2020
- Prof. Swarupa Ojha and Prof. Poulomi Das attended a Webinar on “Matlab and Simulink for IoT Application in Engineering”, organized by Maulana Abul Kalam Azad University of Technology, West Bengal on 22nd June, 2020.

Participation of Faculty Members in Conferences:-

- Prof. Swarupa Ojha presented a paper titled “Dynamics of New-Gen Chalcogenide Nanocomposites: Analysis of Conductivity Spectra” in CMDAYS20 - 28th National Conference on Condensed Matter Physics organized by National Institute of Technology Silchar, Assam, India, and during 11th-13th December, 2020
- Prof. Poulomi Das presented a paper titled “Adaptive Gabor Filtering using Grey Wolf Optimization for Enhancement of Brain MRI” in 2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE 2020), organized by IEEE Bangladesh section and IEEE Bhubaneswar subsection, during 26th - 27th December 2020
- Prof. Poulomi Das presented a paper titled “Benign and Malignant Tumor Classification of Brain MRI using Machine Learning Algorithm”, in Advances in Medical Physics and Healthcare Engineering (AMPHE 2020), organized by Department of Physics, School of Basic and Applied Sciences in collaboration with School of Engineering & Technology, Adamas University, Kolkata, during 25th – 26th September, 2020.

Publication of Research Papers in Journals:-

- Swarupa Ojha, Madhab Roy, Koyel Bhattacharya, Sanjib Bhattacharya, “Transport phenomena of Cu–S–Te chalcogenide nanocomposites: frequency response and AC conductivity”, PCCP, Vol 22, Issue 42, 24600-24613, 2020
- Poulomi Das, Arpita Das, “Adaptive Gabor Filtering using Grey Wolf Optimization for Enhancement of Brain MRI”, IEEE Xplore, INSPEC Accession Number: 20552992, April, 2021. DOI: 10.1109/WIECON-ECE52138.2020.9397926.

Publications in Book Chapters:-

Poulomi Das, Arpita Das, “Automatic Detection and Classification of Enhanced Brain Tumor Using Machine Learning Algorithm”. Lecture Notes in Networks and Systems, vol 147. Springer, Singapore. 04 February 2021. https://doi.org/10.1007/978-981-15-8366-7_6

Participation of Students in Seminars / Workshops / STPs:-

- Olivia Gupta, a student of final year, attended a 4-day online workshop organized by NIT, Karnataka in Association with PANTECH during 2nd - 5th June 2020. This workshop was all about designing of Brain Controlled Robot along with the construction of BCI and measuring the electrical activity in the brain and transform it into a synthetic output that will replace, restore and enhance natural function.
- Pratyusha Das, a student of final year, participated in a 4- Day online STP on Application & Perspective of Artificial Intelligence in Electronic & communication Engineering, organized by Icfai Tech Hyderabad from 18th - 21st March 2021
- Pratyusha Das, a student of final year, attended a 6-week online course on Learn Python organized by E & ICT Academy, IIT Kanpur from 29th March to 7th May 2021

- Pratyusha Das, student of final year, attended one week online Short Term Training Program on "Emerging Nanoscale Device, Circuit & its Applications" organized by Delhi Technological University from 10th to 14th May 2021
- Olivia Gupta, student of final year, attended a 2-day International Webinar organized by MAKAUT on Application of Artificial Intelligence on Geo-Spatial Data: Pandemic view from Space on 5th and 6th July 2020. The webinar was on complete view on how the intersection of geospatial data and AI is the new frontier of technological innovation that promises to transform the entire business industries and will be a future aspect in monitoring and managing Covid situation.

Achievement of Students:-

- Olivia Gupta, a student of final year, won 10th rank in "TECH FUNDA" under TELOS 2020 organized by WBUT on 23rd August 2020. This was an annual Online Tech Fest organized during the lockdown situation due to pandemic, where participants from all streams need to submit the project ideas with abstract.
- Olivia Gupta, a student of final year, qualified to the final round of HACKSAGON 2020 organized by ABV- IITM Gwalior during 6th June - 20th November 2020. Thus was an innovative hackfest combining the configurability if hardware and reusability of software in order to enhance and harness the knowledge of students across India. This gave the opportunity to become a part of symposium.

Participation of Students in various Industrial Trainings / Internships:-

- Pratyusha Das, Sunam Banerjee, Monalisa Manna, Sumit Malakar , Olivia Gupta and Rajeswari Das, students of final year, completed 1-week Aptitude training in NSIC-TSC Howrah during 4th - 9th Jan 2021
- Sunam Banerjee, a student of final year, completed 8 hours online training on "Python Programming from basic to advanced level" on 1st May, 2021 from Udemy
- Sumit Malakar, a student of final year, has participated in 12 days training on "Java and its application" from 20th February, 2021 from Technobyte
- Sumit Malakar, a student of final year, has participated in 15 days training on "Python Programming" from 20th January 2021, from Technobyte
- Monalisa Manna, a student of final Year, completed live interactive online vocational training on Electronics & Communication at NSCBTTC Kalyani BSNL from 15th June to 10th July, 2020.
- Sumit Malakar, a student of final year, has participated in 3.5 hours training on "Introduction of Embedded system" on 12th Sept, 2020 from Udemy.
- Olivia Gupta, a student of final year, completed 13.5 hours online training on "Python Programming beginners Tutorial: Python 3 Programming" on 9th Sept, 2020 from Udemy
- Pratyusha Das and Rajeswari Das, students of final year, completed online vocational training organized by Netaji Subhas Chandra Bose Telecom Training Centre, Kalyani (a Regional Telecom Training Centre of BSNL) from 15th June to 10th July, 2020
- Sunam Banerjee, a student of final year, completed 9 hours online training on "The Complete Java Programmer: From Scratch to advanced" on 19th July, 2020 from Udemy

Some Alumni of the Department: -



Subham Nanda
Batch-2020
B.Tech in E.C.E

Working at
Capgemini



Soumyajoyti Mukherjee
Batch-2019
B.Tech in E.C.E.

Working at
Wipro



Sounak Mondal
Batch-2019
B.Tech in E.C.E.

Working at
**Embee Software
Private Limited**



Avik Sarakar
Batch-2019
B.Tech in E.C.E.

Working at
**Embee Software
Private Limited**



Ishita Chakraborty
Batch-2017
B.Tech in E.C.E

Working at
DXCorr Design Inc



Abhranil Banerjee
Batch- 2016
B.Tech in E.C.E.

Working at
**Bober Bosch Engineering
& Business Solutions**

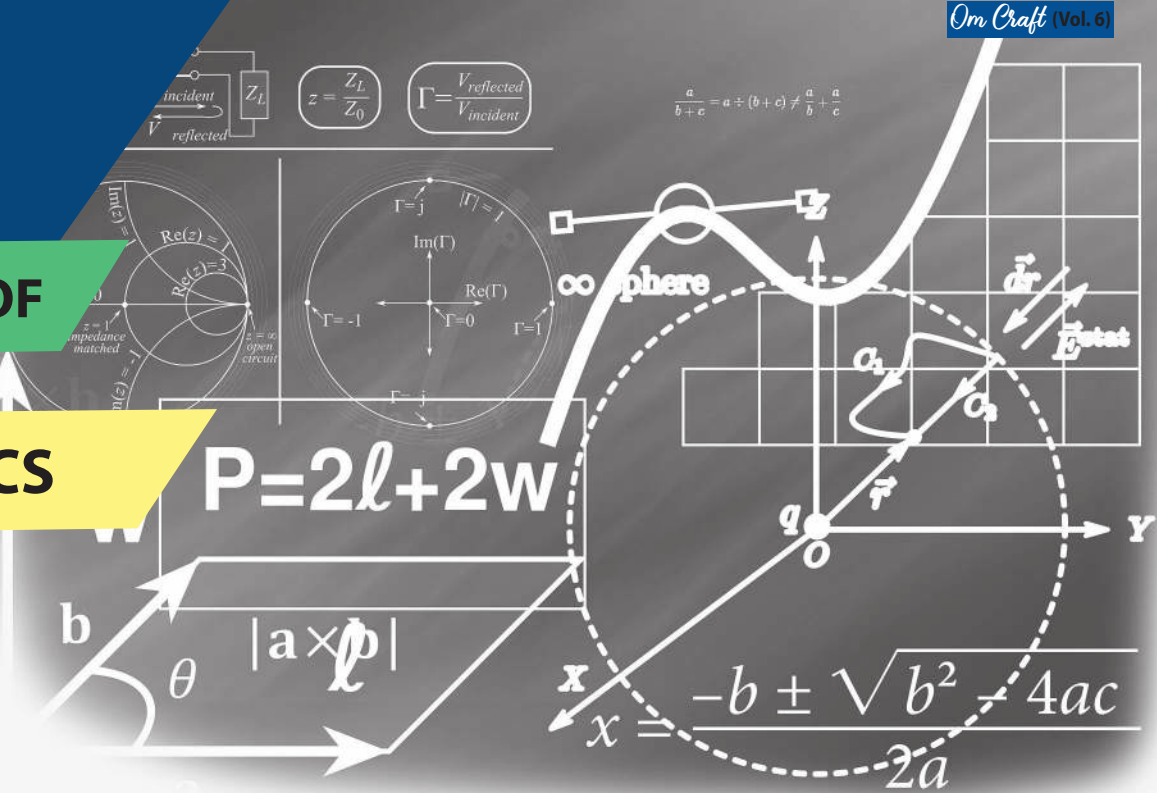


Abhishek Kumar Singh
Batch-2015
B.Tech in E.C.E.

Working at
Larsen & Toubro Limited

DEPARTMENT OF

MATHEMATICS



Participation of Faculty Members in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs:-

- Prof. (Dr.) Prosenjit Sen attended a webinar on "Online Teaching" organized by Maulana Abul Kalam Azad university of Technology on 7th June, 20200
- Prof. (Dr.) Prosenjit Sen attended a webinar on "Mathematical Prospective of COVID 19 outbreak: Predictions & Precautions, Preventive Measures" on 11th & 12th June, 2020 organized by Sidho-Kanho- Birsha University
- Prof. (Dr.) Prosnjit Sen attended a webinar "Engineering tomorrow: New fields, Newer Prospects" by ABP Education on 13th June, 2020
- Prof. (Dr.) Prosenjit Sen attended a webinar on "The role of mathematical modelling in COVID 19 pandemic Response: Main Challenges" organized by VijaygarJyotish Ray College on 22nd June, 2020
- Prof. (Dr.) Prosenjt Sen attended a webinar on "Mathematical Models in Epidemiology in Connection with the COVID-19" organized by Vellore Institute of Technology on 23rd June, 2020
- Prof. (Dr.) Prosenjt Sen attended a webinar "The Sky & Beyond" organized by the Bhowanipur Education Society College on 23rd June, 2020
- Prof. (Dr.) Prosenjit Sen attended a webinar on "Recent Trends on COVID-19 Mathematical Modellings and their social impact " on 30th June, 2020
- Prof. (Dr.) Prosenjit Sen attended a webinar on "Ramification of some precautions for controlling disease under the global sustainable supply chain management" organized by the Narasingha Dutt College, Howrah on 3rd July, 2020
- Prof. (Dr.) Prosenjit Sen attended a webinar on "Mathematical & Statistical Modeling of Infectious Diseases relevant to COVID-19" organized by Assam University, Silchar on 8th July, 2020
- Prof. (Dr.) Prosenjit Sen attended a webinar on "Mathematical modeling of Covid-19 propagation kinetics: herd immunity to containment" organized by Prabhu Jagabandhu College, Howrah on 15th July, 2020
- Prof. (Dr.) Prosenjit Sen attended a webinar organized by S. A. Jaipuria College, Kolkata, titled "Application of Mathematics" on 11th Aug, 2020

- Prof. (Dr.) Prosenjit Sen participated in a online workshop on “Mathematical modelling and & MATLAB applications” organized by NIT Uttarakhand & SLIET Longowal
- Prof. Anoar Ali Mollah attended a webinar titled “International Webinar on the role of Applied Mathematics in present Global crisis” organized by Vidyasagar University, Midnapore during 5th – 7th August, 2020
- Prof. Anoar Ali Mollah attended a webinar titled “International webinar on Fundamental Mathematics” organized by the Assam Kaziranga University during 12th – 14th August, 2020
- Prof. Anoar Ali Mollah participated in a webinar titled “Mathematics and Mathematicians from Vedic to present pandemic” organized by the Banwarilal Bhalotia College, Asansol during 11th – 12th July, 2020
- Prof. Anoar Ali Mollah attended a webinar organized by S. A. Jaipuria College on “Application of Mathematics” on 11th August, 2020.

Achievements of Faculty Members:-

Prof. (Dr.) Prosenjit Sen has been enlisted in the supervisor list of PhD by Maulana Abul Kalam Azad University of Technology (MAKAUT), West Bengal.

Seminars / Workshops / other events organized by the department:-

The department provided remedial and tutorial classes for the newly admitted first year students of B. Tech. Also a bridge course on mathematics was developed by the faculty members of the department to develop a strong base of Mathematics among the students.

Plans for next academic session:-

- To promote research work in the field of Mathematics.
- To organize a seminar/ webinar to highlight the application of Mathematics in Engineering.



DEPARTMENT OF

PHYSICS

Participation of Faculty Members in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs:-

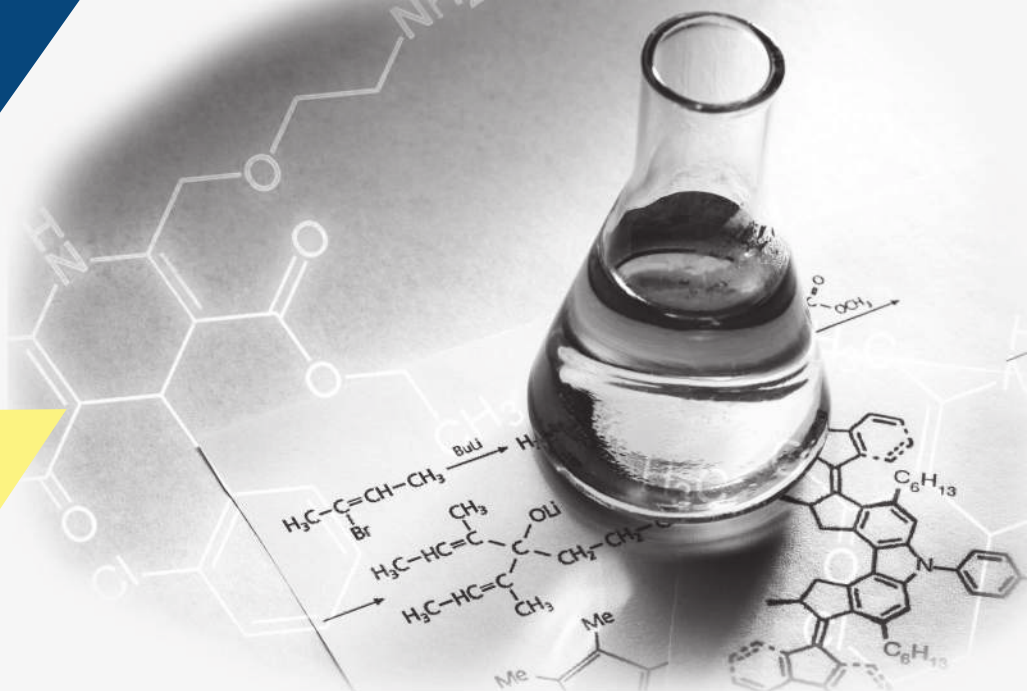
Prof. Arghya Dey participated in the 4-days Online Workshop on “Recent Trends in Information security and Blockchain Technology” conducted from 28th April to 2nd May, 2021 organized by NIT, Hamirpur.

Plans for next academic session:-

- To utilize the resources provided by the institute to develop project oriented interest among the students
- To adopt appropriate academic plans for better academic results based on the course
- To organize seminar/workshop on “Recent trends in Applied Physics”
- To motivate students on regular basis through seminars, talks etc. as instructed by AICTE and NAAC.

DEPARTMENT OF

CHEMISTRY

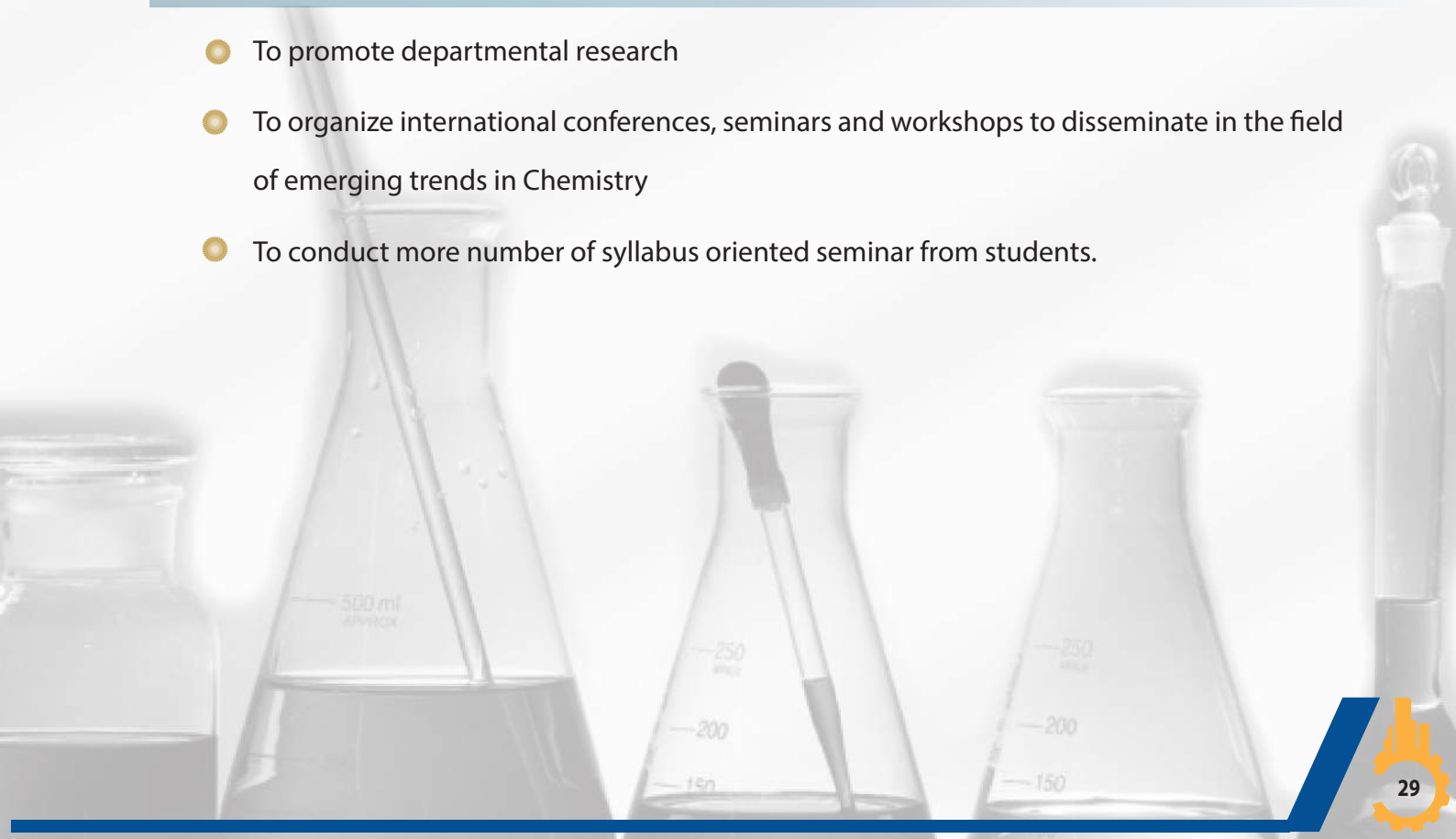


Participation of Faculty Members in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs:-

- Prof. (Dr.) Sukanya Das Chandra participated in the online Orientation Session for SPOCs on 29th June, 2020 organized by NPTEL Local Chapter
- Prof. (Dr.) Sukanya Das Chandra participated in the two days State Level Faculty Development Programme on "Quality Sustenance and Enhancement Parameters – NAAC and NIRF Ranking Framework" organized by Internal Quality Assurance Cell (IQAC) of Marudhar Kesari Jain College For Women, Vaniyambadi during 6th – 7th August, 2020
- Prof. (Dr.) Sukanya Das Chandra participated in One-Day Webinar on "Advance Level Study on Chemical Sciences" held on 23rd September, 2020 organized by Department of Chemistry, School of Sciences, Netaji Subhas Open University, West Bengal India.

Plans for next academic session:-

- To promote departmental research
- To organize international conferences, seminars and workshops to disseminate in the field of emerging trends in Chemistry
- To conduct more number of syllabus oriented seminar from students.





DEPARTMENT OF

HUMANITIES

Seminars / Webinars / Workshops / Faculty Development Programs attended by Faculty Members:-

- Prof. Monita Mitra, attended a One-Week Online Faculty Development Program on “Ethics and Values in Technical Education in Context of National Education Policy 2020 organized by Centre for Value Based Education, Delhi Technological University, Delhi during 15th -19th April, 2021
- Prof. Monita Mitra attended a One-Day Interdisciplinary National Webinar on ‘Refugee Crisis: Past and Present’ organized by Sri Swami Vivekananda Shikshan Sanstha, Raje Ramrao Mahavidyalaya, Nagpur on 14th June, 2020
- Prof. Monita Mitra attended a One-Day Workshop on ‘Effective English Teaching Through Technology organized by ELTAI Kanpur chapter on 26th June, 2020
- Prof. Monita Mitra attended a Two-Day Virtual International Conference “ELT SUMMIT 2020 Conference” organized by the International society for educational leadership-ISEL on 27th & 28th June, 2020
- Prof. Monita Mitra attended a One-Day Pre Conference Workshop on ‘The challenges of creating teacher presence in the remote classroom- What makes a good Online teacher by Nicholas Peachey organized by ISEL - International society for Educational leadership on 22nd June, 2020
- Prof. Monita Mitra attended a 4-Day Webinar Lecture series on ‘Language, Learning, Literature: Contentions and Perspective Department of English Studies, Christ College, Bangalore from 30th June – 3rd July, 2020
- Prof. Monita Mitra attended a Five-day International Virtual Conference on Industry 4.0 scenarion: Redefining Language and Literature Studies organized by Thiruvallur University, Vellore, Loyola College Chennai, Sacred Heart College, from 13th to 17th July, 2020
- Prof. Monita Mitra attended a One-Day Webinar on The Teaching of English organized by ELTAI-Pune and Vishakapatnam Chap on 26th July, 2020
- Prof. Monita Mitra attended a One-Day Webinar on Teacher Professional Development through Pedagogical Input organized by ELTAI Pune Chapter in collaboration with Tolani Maritime Institute on 23rd August, 2020
- Prof. Monita Mitra attended a One-Day International Virtual Conference on Constructing Multiple Choice Questions - Webinar Series organized by ELTAI Chennai Chapter on 4th October, 2020

- Prof. Monita Mitra attended a One-Day International Virtual Conference On Topic : “Contemporary Literature in English and ELT : Changing Paradigms and Shifting Trends” Bherulal Patidar, Govt PG College MHOW on 19th & 20th February, 2021
- Prof. Monita Mitra attended a One-Day National Webinar on-Teachers’ Role in NEP Implementation Bharatiya Shikshan Mandal & Niti Aayog in collaboration of CVM University on 9th March, 2021.

Paper Presentations by Faculty Members at Conferences / Webinars:-

- Prof. Monita Mitra presented a paper titled – “Flexible learning- An effective pedagogical tool to deliver quality e learning to students of higher learning in the new normal era” at the One-Day Multidisciplinary International Webinar on - ‘Ways and means to combat educational challenges emerging due pandemic Covid 19’ organized by the Lucknow University on 18th June 2020.
- Prof. Monita Mitra presented a paper titled – “The Flipped classroom model of Blended learning—Its applications in the undergraduate engineering Humanities class” at the 5- Day international virtual conference 2020 Industry 4.0 scenario: Redefining language and literature studies organized by English Dept of Thiruvalluvar University, Loyola college, Chennai, Sacred Heart College, Tirupattur and GTM College, Gudiyattam during 13th -17th July, 2020
- Prof. Monita Mitra presented a paper titled – “Disruptions in Education: Understanding Issues and Challenges of Virtual education in Global Perspectives” at the One-Day International Webinar on Education 4.0: Opportunities and Challenges organized by IMHRC & Shia PG College, Lucknow on 2nd August 2020
- Prof. Monita Mitra presented a paper titled – “Action Research- Improving students' participation in the undergraduate Language Class” at the Three-Day National Web-Conference on English Studies in India: Challenges, Policies and Possibilities organized by H M Patel English Studies Centre, Vallabh Vidyanagar collaboration with ELTAI Pune from 19th -21st August, 2020.

Publication of Research Papers in Journals / Books:-

Monita Mitra, Flexible learning - An Effective Pedagogical tool to deliver quality E- learning to students of higher learning in the New Normal Era in the BOOK OF ABSTRACT PROCEEDINGS= VOL 1; ISBN NO- 978-81-948228-0-6- June 2020

Mentorship:-

Prof. Monita Mitra mentored the First Year B. Tech students for the NPTEL IIT course namely ‘Enhancing Soft Skills and Personality in the Jan to April, 2021 cycle. She has received Appreciation Certificate from SWAYAM NPTEL.

Plans for next academic session:-

The department plans to conduct Webinars to empower the students to gain an understanding how to set goals to develop alternate careers in the New Normal post Covid. It plans to hold online counseling sessions to help students cope up with the stress created in the Covid situation. Plans are also in the anvil regarding conducting Yoga and Heartfulness Sessions in collaboration with the Heartfulness Institute. Other plans include helping students to register for Online Internships and Trainings.

Editor
Members

Prof. Swarupa Ojha
Prof. Deepanjan Das
Prof. Anupam Ghosh
Prof. Indrani Mukherjee
Prof. Dipanjan Datta
Prof. (Dr.) Prosenjit Sen
Prof. Gautam Bondyopadhyay
Prof. Dipankar Hazra
Prof. Ramen Kanti De
Prof. Swapan Majumder
Ms. Sudeshna Seal

Advisory Body

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BOARD**

Om Craft

(Volume 6) 2021



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