Omcraft



OmDayal Group of Institutions

ENGINEERING COLLEGE | ARCHITECTURE COLLEGE

AICTE & COA Approved I NAAC Accrediated I MAKAUT(WBUT) Affiliated Uluberia Industrial Growth Centre, Near Birshibpur Railway Station, Howrah

2022

www.omdayal.com

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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.

Alok Tibrewal

Secretary



FROM THE DESK OF THE PRINCIPAL

Attaching the term 'craft' with 'Om' is like creating a unique tryst between the Universe and individual skills and endeavours. While, on a microcosmic level, individual thoughts and ideas get manifested through a myriad of conscious and unconscious activities, on a macrocosmic level, all of these activities become one with the Universe. The true purpose of education is, perhaps, to facilitate this process of becoming 'one'. At OmDayal Group of Institutions, our aim is to ensure accurate and seamless execution of individual ideas and thoughts, and propel students in a path laden with creativity, innovation, and last but not the least, universal human values and principles. Our newsletter, 'Om Craft', stands as a testament to that.

It fills me up with immense joy and pride to write this message for Volume VII of our annual college newsletter, 'Om Craft'. The newsletter will be a relic to document the achievements of our students and our faculty members, as it has provided them with an unbiased platform to voice their opinions. I congratulate everyone engaged in the process of publishing the newsletter, and I hope it will appropriately celebrate the power of the human mind.

Prof. (Dr.) Yogesh Kumar Sinha

Principal

FROM THE DESK OF THE VICE - PRINCIPAL



Over the years the college Newsletter OmCraft for B. Tech has provided an opportunity for the students to portray their topics of interest and share the ideas. It gives me immense pleasure to express my views on the release of 7th volume of the newsletter. In recent years when the students are concerned more about their academic excellence, they have to coaxed, persuaded and encouraged to exhibit their talents. As you scan through the pages it will enlighten you with the different information about the college, the milestone that the college has achieved for the year. The details of seminars, workshops, conferences, publications and other achievement of the Faculties are provided for the ready reference. The newsletter should be a good source of guidance for faculty and coming batches of students in choosing activities of their choice in their future for building their carrier.

I congratulate the team for their tireless effort to bring 'OmCraft' to light. Best wishes to all.

Dr. Prosenjit Sen

Vice Principal

EDITOR'S MESSAGE



It is a matter of great pride and privilege for me being a part of this Newsletter 'Om Craft' - Vol 7, 2022. OmDayal Group of Institutions provide platform for every student to develop their learning skills. The main aim of our college is to achieve human excellence to shape the personality of students by providing quality education

This issue of the Newsletter will enlighten you with the important milestones that the B. Tech departments of our college have achieved in the academic year 2021-22.

I heartily thank to our Principal – Prof. (Dr.) Yogesh Kumar Sinha, for putting faith on me for this creative work. I would like to express my sincere gratitude to Dr. Prosenjit Sen, Vice Principal, for his everlasting support, guidance and motivation throughout the creation of this Newsletter. I would like to thank all the members of the editorial team of this Newsletter for their valuable contributions and full-hearted support. I express my deep sense of gratitude to the management of our college for providing the positive and motivating work environment to us.

With best wishes,

Dr. Swarupa Ojha

Editor, Om Craft – Vol 7, 2022



Vision & Mission of the Department:-

VISION:-

To be the premier provider of practice-oriented engineering education in the world at both undergraduate and graduate levels, in order to achieve a successful career in academic, research or industrial fields, by providing them with requisite technical background thereby ensuring individual and societal empowerment.

MISSION:

To empower students and faculty as value added engineers with broad and thorough education in Civil Engineering, fundamentals and application, so that they are capable of facing the technical and social challenges and providing human services which are sustainable and ensures environmental health.

Participation in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs by the faculty members:-

- Total number of FDPs / Workshops / STTPs attended by faculty members : 14
- Total number of Webinars attended by faculty members: 3

FDP / Seminar / Webinar conducted by Faculty Members:-

• Mr. Gautam Bondyopadhyay (HOD) conducted a Two days' workshop on 'Concrete Mix Proportioning as per IS Guidelines (IS 10262-2019), organized by Regional Directorate Bengaluru, on 21/06/2021 & 22/06/2021

Participation in Seminars / Webinar / Workshops / Conferences by the student:-

- Sourav Kumar Guha, 2nd Year student, attend a two days webinar on A Symposium on emerging contaminants, fate, transport & remediation aspects organized by Environmental Science and Engineering Department, Indian Institute of Technology Bombay on 21st 22nd Feb, 2022
- Sourav Kumar Guha, 2nd Year student, attend a one-day webinar on The state & the Market Confronting the new (Global) Normal on 2nd Feb, 2022
- Pramad Ghosh, 2nd Year student, attend a one-day webinar on Bigyaner Dishari: Birth Anniversary Celebration of Thomas Edition on 11th Feb, 2022

Participation of students in various competitions:-

- Bodhisattwa Mahata, 3rd Year student, participated in a technical quiz program on CiviQ online quiz organized by Aakaar IIT Bombay on 12th Feb, 2022
- Snehasis Mondal, 2nd Year student, participated in a national level quiz organized by Bharat Institute of Engineering & Technology (BIET) on 23rd Feb, 2022

Achievement of Students:-

The departmental football team won the runner-up prize in the KhelKud 2022 college sports.

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

- A workshop was organized on Building Information Modelling (BIM) using Autodesk REVIT & NAVISWORKS from 25th April to 6th May, 2022..
- A webinar on 9th March, 2022 was organised on "Infrastructure Development & Entrepreneurship". Mr. Debasis Dasgupta delivered the lecture on the topic.
- A workshop on Microsoft Project (MSP) was conducted on 21st February, 2022 in association with CADD Centre New Alipore, Kolkata. Mr. Amitava Haldar of CADD Center was the instructor for this workshop.
- A Guest Lecture was conducted on 'GIS Application in Integrated Water Resources Management' by Dr. Gourab Banerjee on 25th September 2021.

- The Online Alumni Lecture Series Part 2 was organized on "Project Monitoring and Scheduling using MS Project software" by SAYANTAN BANERJEE, an alumnus, on 12th November, 2021.
- An Online Alumni Lecture Series was organized on "Sustainable Development & Importance of Project Management in Civil Engineering" by the alumni of the department: Mr. Souvik Dhara and Ms. Tasneem Ali on 23rd October, 2021.
- A webinar was organized on 'Integration of GIS In sustainable built environment' by Dr. Aditi Acharya and Priyank Patel, alumni of the department of 2016 batch on 12th June, 2021.
- A webinar on 'Civil Engineering- Bridge To Success For Sustainable Future' by Mr. Gautam Bondyopadhyay, Mr. Sumatra Sengupta, Mr. Sunil Sardar on 26th June, 2021.

Others Departmental Activities:

- Poster Presentation Event organized to celebrate National Survey Day on 10th April,
- Newly set up Water Resource laboratory as per MAKAUT syllabus

The water resources laboratory is designed to enable experiments to be carried out as part of the Undergraduate courses taught in the department of civil engineering related to engineering hydrology and water resources engineering. In addition, final year projects, undergraduate research projects and small-scale academic & commercial research can also be carried out in the lab. To support these various activities, the laboratory has one Rain Gauge, one double ring Infiltrometer, Evaporimeter and Sunshine recorder. The associated and accessory equipment and instrumentation enables a variety of experiments to be performed and measurements to be obtained, ranging from the experiments of infiltration measurement to rainfall recording.





Industry Institution Interaction to enhance teaching learning process:

- MOU signed between OmDayal Group of Institutions, Civil Engineering Department and Basak Associates on 25th Feb 2022.
- MOU signed between OmDayal Group of Institutions, Civil Engineering Department and Dustan G. Engineer Pvt. Ltd on 11th April 2022.
- MOU signed between OmDayal Group of Institutions, Civil Engineering Department and Geo Solution on 29th April 2022.

Consultancy Order received by the Department

- Design and Drawing Review Service Including Foundation from M/S Onex Real Estates (Promoter & Developer)
- Design and Drawing Review Service Including Foundation from M/S Sandhya Enterprise

Project Report submitted by the Department to the Institute for implementation:-

Detail drawing and Cost estimate of Rainwater Harvesting at OmDayal Group of Institutions Submitted

Industrial Visit:-

The students of the Department were taken for an Industrial tour to the Durgapur Steel Mill of SRMB on 17th May, 2022.



Students of 2nd, 3rd and 4th year were taken on an industrial tour to Greenfield City Complex in Behala, Kolkata on 28th March, 2022.



Alumni of CE Department:



Amit Maity Batch 2020 Working at S.B. Constructions Pvt. Ltd.



Suman Chatterjee Batch 2020 Working at



Neladri Das Batch 2020 Working as Junior K & J Projects Pvt. Ltd. Engineer, PWD (Govt. of WB)



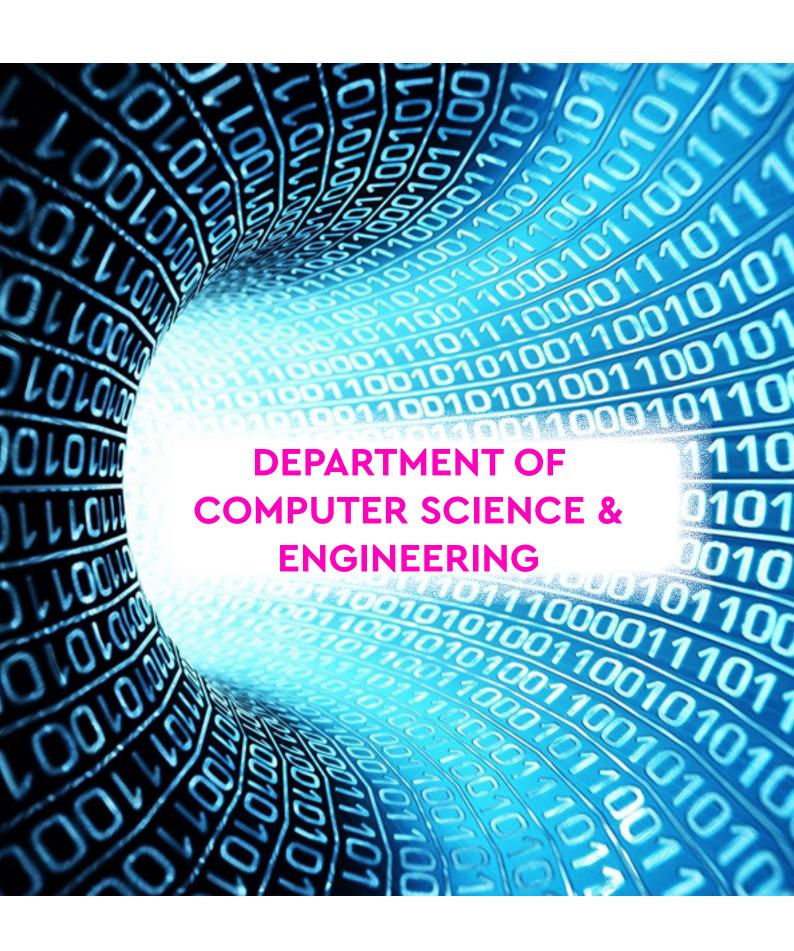
Chirantan Mitra Batch 2020 Working at TATA Projects Ltd



Sambit Manna Batch 2018 Working at Bridge & Roof Co. Ltd



Nawal Kr Singh Batch 2018 Working at Krishna Constructions Pvt. Ltd. (Delhi)



Vision & Mission of the Department:-

VISION:

To become an institute of repute and bring about a change in the sphere of technical education in Bengal by offering full range of programs of global standard and to transform the students into global competent personalities.

MISSION:

- To provide state-of-art resources required to achieve excellence in teaching learning and supplementary processes.
- To provide faculty and staff with the required qualification and competence.
- To motivate for their holistic developments.
- To provide opportunities for the students to bring out their inherent talent.

Participation in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs by the Faculty members:-

- Total number of FDPs / Workshops / STTPs attended by faculty members: 10
- Total number of Webinars attended by faculty members: 4

Research Publications:-

Abhishek Raj, Shivam Roy and Saikat Pahari has presented and published a paper titled "Linear discriminant SHIFT based distinctive feature descriptor for face Recognition." on March, 2022.

Achievements of Faculties:-

- Mrs. Indrani Mukherjee has participated as a Program Committee member and Reviewer on "International Conference on Data Science & Applications (ICDSA 2022)", organized by Jadavpur University, Kolkata on 26th -27th March, 2022.
- Mr. Abhijit Bera has participated as a Reviewer on "Second international conference on Computer Science & Engineering and Applications (ICCSEA)", organized by GIET University, Gunupur, Odisha on 17th April, 2022.
- Mr. Santosh Das got awarded as a SPOC for Cyber Security Hackathon by Govt. of West Bengal.
- Mr. Abhijit Bera has participated as a National Technical Program Committee Member on "1st International Conference on Innovations in Data Analytics (ICIDA 2022)" held in 29th -30th November 2022.

Achievements of Students:-

- Sonam Chaudhury, Final Year Student of Computer Science & Engineering Department Scored 52.11% in CAT on 2022.
- Shantanu Shahoo, Student of Third Year of Computer Science & Engineering Department Scored 32.33% and rank in GATE 4696 in 2022.
- Samrat Adhikary, Second Year Student got Winner prize with paid internship from Capsule Lab in Data Visualization Challenge Competition on 17th February, 2022.
- Trisha Mondal, third Year Student stood 1st Runners Up in SecureBangla 2021 Hackathon & Leaning Challenge Application Security organized by Cyber Security Excellence West Bengal in Association with NASSCOM.

Participation of Students in Various Training / Internships:-

- Final & Pre-final year students trained for 6 days workshop in "Machine Learning using Python" organized by OmDayal Group of Institutions along with Ardent Computech Private Limited.
- Five pre final year students trained for one month training in PHP, MySQL by NSIC.
- Final year students participated in aptitude training by Myperfectice.
- Some students did internship in Capsule Lab, Internshala, Edugorilla etc.

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

- An online poster competition "Poster 2021" for 2nd Year students was organized on 9th June- 10th June, 2021.
- A webinar has been organized on 2nd July, 2021 on "Latest Technology Trends & Opportunities in Computer Science". Mr. Abhay Vikram Singh, the Founder and CEO of Trivid Technology Service, Mr. Dipankar Hazra, HOD, and Mr. Saikat Pahari, Assistant Professor, were the speaker
- An online coding competition 'CODERS 2021' has been organized in online GDP platform for the school level students (class XI and XII) by the department on 7th August, 2021.
- A online coding competition has been organized for all students of the department on 25th August, 2021.
- An Industry Institute Interaction Program has been organized on 11th September, 2021 on "Intelligence of Internet of Things". The speaker was Mr. Atanu Roy Chowdhary, Founder and CEO of Capsul Lab.
- An Alumni meet has been organized by the department on 18th September, 2022.
- Data Visualization Challenge (In association with Capsule Lab) competition has been conducted on 17th February, 2022.
- An Alumni meet has been held on 23rd April, 2022 in the college premises
- A Seminar and workshop has been conducted on 7th May, 2022 in the college premises on "Data Science with Python".





Alumni of Computer Science & Engineering Department:



Oishik Sinha Batch 2022,CSE Placed at TCS, Allied Media



Rupdeepa Ghosh Batch 2022,CSE Placed at Wipro, DeltaX



Rubaiya Begum Batch 2022,CSE Placed at Wipro



Rangoli Mishra Batch 2022,CSE Placed at Harman-A samsung Company ,Wipro, Infosys, Capgemini



Rajan Kumar Singh Batch 2022,CSE Placed at Wipro, Infosys



Aritra Mukherjee Batch 2022,CSE Placed at Capgemini, Wipro



Purnima Rai Batch 2022,CSE Placed at Harman-A samsung Company, Capgemini, Infosys



Nilanjan Chaudhury Batch 2022,CSE Placed at Infosys, Wipro



Hritik Sharma Batch 2022,CSE Placed at Wipro



Arunava Patra Batch 2021,CSE Working at Boeing,2021



Aryama juin Batch 2021,CSE Working Capgemini, Cognizant2021



Pamela Sengupta Batch 2021,CSE Working at Deltax,2021



Srishti Karn Batch 2021,CSE Working at Capgemini



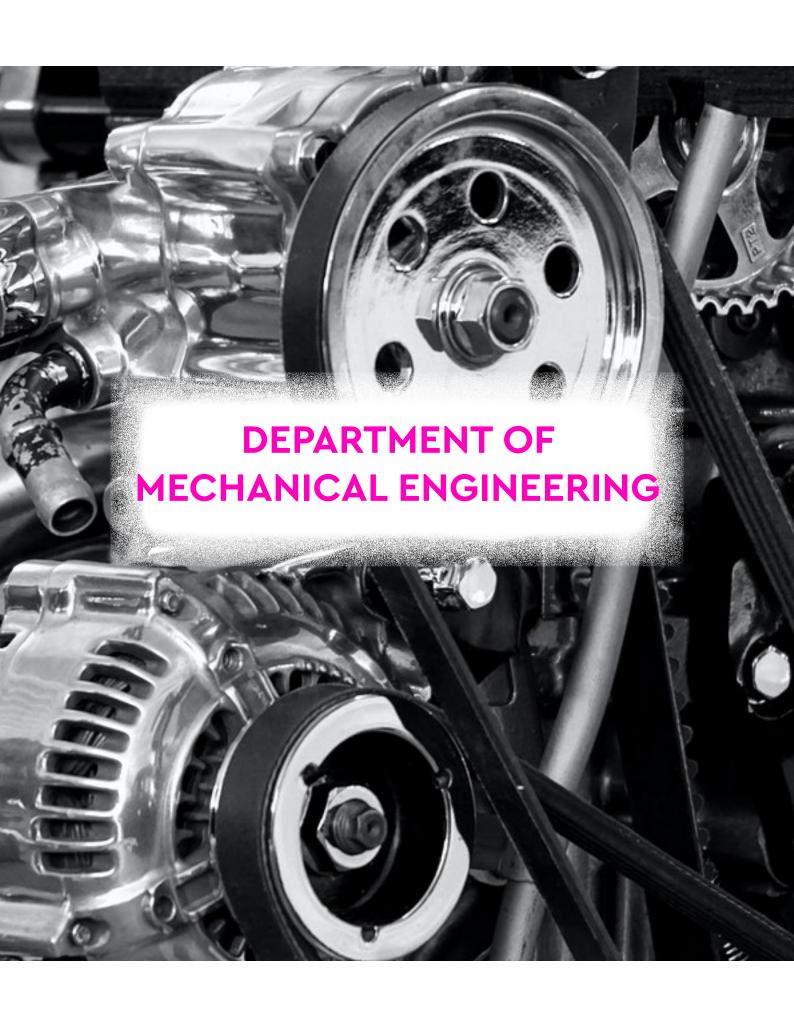
Yukta Agarwal Batch 2021,CSE Capgemini,2021



Ankan Ghosh Batch 2020 CSE, Working at Capgemini



Soumili Koley Batch 2020,CSE Working at Capgemini



Vision & Mission of the Department:-

VISION:

Developing a unique academic and research ambiance to foster innovation, develop creativity and generate excellence among students of mechanical engineering by imparting role-model education with professional skills interacting with industry all the way.

MISSION:

- To provide state-of-the-art academic infrastructure to the students for their holistic development.
- To provide faculty and staff with required qualification and competence to make gradual enhancement of the students' overall academic performance by imparting quality education in Mechanical Engineering.
- To educate the students with effective technical communication skill and the spirit of teamwork for facing intellectual and ethical career challenges.
- To bring out the talent latent in the students to motivate them to develop their entrepreneurship besides framing their mind-setting to make them fit for industries.
- To motivate students in the direction of research and development to derive the optimum result of their inherent talent.

Participation in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs by the faculty members:-

- Total number of FDPs / Workshops / STTPs attended by faculty members: 20
- Total number of Webinars attended by faculty members: 6

Research Publications:-

- Barua, R., Banerjee, A., Bhowmik, S., Banerjee, D., (2022). "Study the Application of Nanofluid in Solar CPVT/PVT system", Proc. 2nd International Conference on Thermal Engineering and Management Advances (ICTEMA 2022), RE 35, pp. 18.
- Barua, R., Datta, S., & Banerjee, D., (2022). "Computational Study of In-Vivo CT-Based FEM Application in Bone Tissue Engineering." S. Marcos-Pablos, & J. Juanes-Méndez (Ed.), Technological Adoption and Trends in Health Sciences Teaching, Learning, and Practice (pp. 300-316).
- Barua, R., Bardhan, N., & Banerjee, D., (2022). "Impact of the Polar Ice Caps Melting on Ecosystems and Climates." A. Vasishta, G. Duca, & S. Travin (Ed.), Handbook of Research on Water Sciences and Society (pp. 722-735).
- Barua, R., Banerjee, D., & Bhowmik, S. (2022). "Study of the Potential Impact of Microplastics and Additives on Human Health". S. Joo (Ed.), Assessing the Effects of Emerging Plastics on the Environment and Public Health (pp. 128-147).
- Barua, R., Rahaman, S., Shee, P., Das, P., Kumar, A. (2022). "Study and Analysis of Inverse Dynamics of 3 DOF Planar Arm Robot by Adaptive Neuro-Fuzzy Inference System". Journal of Mechanical Robotics (pp. 10-16).

Participation in Seminars / Webinar / Workshops / Conferences by the student :-

Students of the department have participated in:

- National Level "Awareness Quiz on Consumer Rights" organized by Department of Commerce, HKBK Degree College, Bangalore on 15th March, 2022.
- "IP Awareness/Training Program" under National Intellectual Property Awareness Mission organized by Intellectual Property Office (GOI) on 14th March, 2022.
- Online Training on "Basic Solar Pump Technician" conducted by Environment Conservation Society (SwitchON Foundation) from 22nd October to 17th November, 2021.
- Online Course on "Basics of Geocomputation and Geoweb Services" conducted by IIRS Dehradun, ISRO & Department of Space, Govt. of India from 25th October to 2nd November, 2021.
- "11th CII Education Summit" organized online by Confederation of Indian Industry from 21st October to 22nd October, 2021.
- Two-day short course online "MPI in Action: Parallelization of Unsteady Heat Conduction Solvers" organized by IIT Goa NSM Nodal Center for Training in HPC and AI from 2nd October to 3rd October, 2021.
- Online training on "Solar Pump Technician Workshop" organized by Environment Conservation Society (SwitchON Foundation) from 13th September to 18th September, 2021.
- Online Course on "Overview of Web GIS Technology" conducted by IIRS Dehradun, ISRO & Department of Space, Govt. of India from 21st June to 2nd July, 2021.
- One-day webinar on "Additive Manufacturing: Reinventing Design and Manufacturing" organized by McGraw Hill Education on 26th June, 2021.

- Webinar on "Life Beyond Studies" organized by Bundelkhand Institute of Engineering and Technology Jhansi, State Project Implementation Unit Uttar Pradesh and Super 77on 13th June, 2021.
- One-day webinar on "All Journey Start with a 1st Step" organized by MAKAUT, WB on 8th June, 2021. "National Level Marketing Quiz" organized by Department of Management Studies, SRM Trichy Arts and Science College, Trichy in June, 2021.

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

- A Webinar on "Emerging Technologies in Industrial Automation" was organized by OmDayal Group of Institutions on 2nd April, 2022. Mr. Debasis Dey, Senior Engineer, Ceratizit India Pvt. Ltd. was the Guest Speaker of the event.
- A Webinar "An Exclusive Session on GATE/ESE", was organized by Department of Mechanical Engineering on 9th February, 2022. Mr. K. N. Rao, Senior Faculty, Unacademy, was the Guest Speaker of the event.
- An Online Alumni Lecture Session (Webinar) on "Modern Manufacturing System" was organized by Department of Mechanical Engineering on 11th December, 2021. Mr. Dipanjan Dey (Engineer, Ceratizit India Pvt. Ltd.) was Guest Speaker of the event.
- A Webinar on Career options for Mechanical Engineers in Thermal and Marine Sectors was organized by OmDayal Group of Institutions on 24th July, 2021. Mr. Debabrata Dey, Executive Director in WBPDCL and Chief Adviser in NWEPDI, and Mr. Vikash Yadav, Chief Engineer on Merchant Vessel, were the Guest Speakers of the event.
- A Webinar on Recent Trend to Save Global Environment, was organized by Department of Mechanical Engineering on 14th June, 2021. Mr. Debabrata Dey, Executive Director in WBPDCL and Chief Adviser in NWEPDI, was the Guest Speaker of the event.

Industrial Training & Visit:-



The department organized an Industrial Visit to "ITC Limited, Food Business Division, ICML Panchla Unit", (WB) for the third- and fourth-year students on 30th May, 2022.



The department organized an Industrial Visit to "Parle Biscuits Pvt. Ltd", Dhulagarh, (WB) for the first year students on 22nd December, 2021.

Alumni of Mechanical Engineering Department:



Saura Shuvra Kumar Batch: 2021 Senior Engineer at BVG India Ltd.



Aman Singh Batch: 2021 Evaluation Executive at OLA Cars.



Avitesh Kumar Singh Batch:2020 Trainee Engineer at Pinnacle Infotech Solutions.



Soumyadip Maji Batch: 2020 Power Plant Operation Engineer at Power Mech Projects Limited.



Engineer at Tata Consultancy Services.



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



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



Sk. Sharuk Mohammad Batch:2017 Assistant Engineer at Kiswok Industries Pvt Ltd.



Sk. Saharul Batch: 2017 R&D Engineer at Gem Allied Industries Pvt Ltd.



Sagar Gupta Batch: 2017 Loco Pilot Indian Railways.



Kaushik Manna Batch: 2017 Loco Pilot Indian Railways.



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



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



Arnab Singha Ray Batch: 2015 Indian Navy.



Vision & Mission of the Department:-

VISION:

- To induce and fringe minds of students towards the learning of electrical engineering concepts.
- To bridge gap between the university syllabus and the industry requirement.
- To produce competent Electrical Engineers with a commitment to serve the society.

MISSION:

- To impart high quality technical education and develop Electrical Engineers with a sound theoretical knowledge in combination with practical skills in all the areas concerning the discipline.
- To inculcate innovative capabilities and to use technology for the benefit of the mankind.

Participation in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs by the Faculty members:-

- Total number of FDPs / Workshops / STTPs attended by faculty members: 11
- Total number of Webinars attended by faculty members: 3

Research Publications:-

Journal Publications:

- Swarupa Ojha, Shayeri Das, Anil Chamuah, Madhab Roy, Koyel Bhattacharya, Sanjib Bhattacharya, "Highly
 conducting nanophases of Ag2S-Se-Ge chalcogenide glassy systems: Explanations via computational
 descriptions", Physica B: Condensed Matter, Elsevier, 2022
- Swarupa Ojha, Madhab Roy and Sanjib Bhattacharya, "Description of AC conductivity via Meyer-Neldel rule: A comparative study between oxide and chalcogenide systems", Journal of Non Crystalline Solids, Elsevier, 577, 2022.
- Swarupa Ojha, Mir Sahidul Ali, Madhab Roy and Sanjib Bhattacharya, "Hopping frequency and conductivity relaxation of promising chalcogenides: AC conductivity and dielectric relaxation approaches", Materials Research Express, 2021.

Conference Publications:

 Poulomi Das, Arpita Das, "Design of tumor discrimination techniques to analyze the prognosis of cancer", proceedings of Recent Trends in Biomedical Imaging and Applications, organized by Department of Applied Sciences, Indian Institute of Information Technology, Allahabad, during 19th -21st August, 2021.

Participation in Seminars / Webinar / Workshops / Conferences by the student:-

- Susanta Samanta, 2nd year student of the department participated in a webinar on "Online Birth Anniversary Celebration of Leonardo Da Vinci" organized by MAKUT,W.B on 14th April,2022.
- Susanta Samanta & Sourav Dhali, 2nd year students of the department participated in a webinar on "Introduction to Green Building and Initiatives" organized by MAKUT, W.B on 8th April,2022.
- Sourav Dhali, participated in a webinar on "Vaccine Technology With COVID-19 Perspective" organized by IIC Cell and MAKAUT, W.B on 8th April, 2022.
- Sourav Dhali, Samar Panda, Koushik Dash Adhikary, 2nd year students of the department participated in a National Conference on "Resent Trands in Biomedical and Clinical Research" organized by Indian Association of Pharmaceutical Science & Technology, Kolkata in association with SDM University Dharwad on 27th March, 2022.
- Susanta Samanta & Sourav Dhali, 2nd year students of the department participated in a webinar on "Online Birth Anniversary Celebration of Albert Einstein" organized by MAKUT, W.B on 14th March, 2022.
- Susanta Samanta, Sourav Dhali, Samar Panda, Rahit Kumar Roy, 2nd year students of the department participated in a webinar on "IP Awareness/Training Program Under National Intellectual Property Awareness Mission" organized by Intellectual Property Office, India on 14th March, 2022.
- Rajrajeswari Bag, 3rd year student of the department participated in certification course on "Introduction to Machine Learning" by Great Learning Academy on 7TH March 2022.

- Sourav Dhali, Amrit Singha, Dishani Mondal, Mrinmoy Patra & Samar Panda, participated in a webinar on "Birth Anniversary Celebration of Thomas Edison" organized by MAKAUT, W.B on 11th February, 2022.
- Susanta Samanta, participated in a webinar on "Company formation and statutory Liabilities" organized by MAKUT, W.B on 17th February, 2022.
- Biswajit Bhattacharya, 2nd year student of the department participated in a webinar on "Company Formation and Statutory Liabilities" organized by MAKUT, W.B on 17th February, 2022.
- Sanup Bera, 3rd year student of the department participated in a webinar on "Company Formation and Statutory Liabilities" organized by MAKUT, W.B on 17th February, 2022.
- Rajrajeswari Bag participated in a two month training program on "VLSI" organised by IIT BOMBAY TECHFEST during 11th November, 2021-11th January, 2022.
- Alekhya Sarkar and Anamita Sarkar, 4th year students of the department participated in a program on "Cyber Awareness" organised by Indian Cyber Crime on 23rd December, 2021.
- Pradip Samanta, Souvik Maity students of 4th year participated in a training program on "PLC Automation", organised by Institute of Industrial Automation and Power on 30th November, 2021.
- Pradip Samanta, Alekhya Sarkar, Sahil Mollah, Subham Panja and Anamita Sarkar students of 4th year of the department participated in a program on "Machine Learning with Python", organised by COGNITIVE CLASS Al on 27th October, 2021.
- Subhankar Baskey, student of 3rd Year participated in the online quiz on "Python with Django" which was conducted by Itronix Solution in October 2021.
- Snehasish Manna, student of 3rd-year participated in the "Android application development course" on 21
 September 2021
- Rajrajeswari Bag has successfully completed the SelectorsHub Certification Program on 1st September, 2021.
- Surajit Mukherjee, a student of 3rd-year electrical engineering has completed the webinar on "Google cloud quiz" organized by "IT Sonix Solutions" On 24th August 2021.
- Sanup Bera, a student of 3rd-year electrical engineering has completed the online quiz contest for completing the" sports quiz" by My Gov Manipur and completing the "Envirolution Quiz" on 22 August 2021.
- Arnab Ghosh, student of 3rd Year Electrical Engineering has completed Microsoft AZ-400:Designing and Implementing Microsoft DevOps Solutions exam and was able to achieve Microsoft Azure DevOps Engineer Expert on 16th August 2021.
- Sujoy Das, student of 3rd Year completed an online course "business analytics with Excel" by Simplilearn on 27th July 2021. And completed the "know your state quiz 2.0" by MyGov Manipur and completed the "Mahatma Gandhi quiz" on my gov quiz website.

Achievements of the faculties-

- Ms. Swarupa Ojha, TIC & Assistant Professor, has been awarded the degree of Doctor of Philosophy (Engineering) from Jadavpur University on 21st June 2022.
- Mrs. Poulomi Das, Assistant Professor, delivered a talk titled "Design of tumor discrimination techniques to analyze the prognosis of cancer" and winning the 1st position in the oral presentation category in the workshop on "Recent Trends in Biomedical Imaging And Applications", organized by the Department of Applied Sciences, Indian Institute of Information Technology Allahabad during 19th-21st August, 2021.

Achievements of the students-

• Rajrajeswari Bag, 3rd year student of the department obtained second position in Shabdon ka Safarnama #2 an open mic event on 4th July, 2021.

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

- A webinar was organized on "Opting right career path in technology amongst recent global trends" by our alumni (Batch-2013-2017) Ishita Chakraborty Associate Member of Technical Staff (AMTS), DXcorr Design Inc and Mrinmoyi Manna, VLSI Design Engineer, DXCorr Hardware Technology on 7th May 2022.
- A webinar on "Energy efficient indoor lighting design using DIALux" was organized on 29th April 2022. Speaker of the event was Ms Jeenia Dey, Assistant professor, Electrical Engineering Dept-Swami Vivekananda Group of Institutions.
- A webinar on "Internet of Things" was organized in association with Ardent Computech Pvt. Ltd. on 26th March 2022
- A virtual Alumni Meet was organized on 5th March 2022. Ms. Pratyusha Das System Engineer, Infosys (2021 pass out batch) was the speaker of the event.

Industrial Training & Visit:-

- Students of 4th year undergone industrial training at Tata Power Skill Development Institute in India from 13th June to 18th June 2022.
- An industrial visit was organized for 3rd and 4th year students of the department at Electropulse Industries, Saktigarh Industrial Estate, Purba Burdwan on 4th June, 2022.
- The department organized an Industrial Visit to "ITC Limited, Food Business Division, ICML Panchla Unit", (WB) for the 3rd and 4th year students on 30th May, 2022.





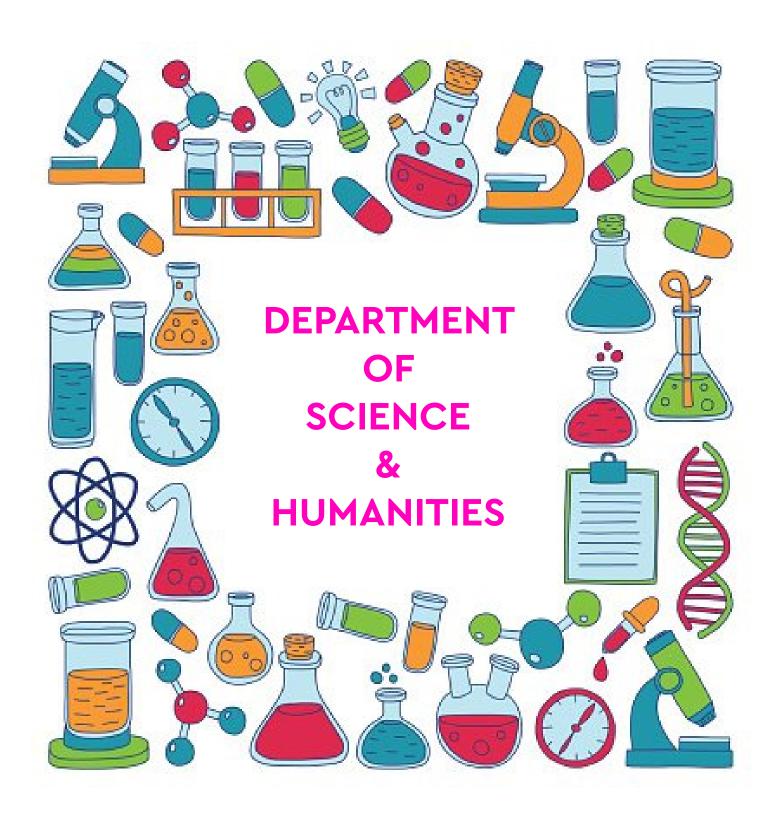












Vision & Mission of the Department:-

VISION:

To inculcate in our students theoretical and practical concepts oriented in Science and Humanities, thereby enhancing their foundational understanding of core engineering. Additionally, we also aim to render certain skills to our students and prepare them for pursuing a steady academic or professional life even after graduation

MISSION:

- To enhance interpersonal communication skills and help students embrace certain soft skills such as work ethics, business innovation, leadership and teamwork.
- To develop the students' mind to understand the needs of the stakeholders of education, technology and look at the larger perspectives of the global economy.
- To instill basic human values in students through various cocurricular activities.
- To help students develop competency in Physics, Chemistry,
 Mathematics, Economics and English
- To provide innovative and quality education with high standard to achieve academic excellence

Participation in Seminars / Webinars / Workshops / Conferences / Faculty Development Programs by the Faculty members:-

- Total number of FDPs / Workshops / STTPs attended by faculty members: 14
- Total number of Webinars attended by faculty members: 6

Research Publications:-

- S. Sarkar, Prosenjit Sen and S.K. Datta, "Derivation of integrated moduli of second order logarithmic derivative of entire functions and relative deficiencies of their common roots", The Bulletin of Calcutta Mathematical Society, 114, (3) 355-372 (2022)
- Surajit Hazra, Prosenjit Sen and Sanjib Kumar, "On the integrated moduli of logarithmic derivative of order two of entire functions and their relative deficiencies", The Bulletin of Calcutta Mathematical Society 114, (3) 317-330 (2022)
- Rajlekha Sil, Ray's Use of Liminal Space and Female Gaze: A Reading of Oscillating Moralities in 'Charulata' and 'Bimala', John Foundation Journal of EduSpark (ISSN 2581-8414 Print), (ISSN 2582-2128 Online)

Achievements:-

- Dr. Prosenjit Sen has been listed in the supervisor list of PhD by Maulana Abul Kalam Azad University of Technology (MAKAUT), West Bengal. Three students were asked to enroll under the guidance of him for PhD and accordingly applied to MAKAUT.
- Dr. Sukanya Das Chandra has been awarded the Active SPOC Certificate for Jan- Dec 2021 by NPTEL, IIT,
 Madras.

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

• An online Quiz Competition was organized by the Department of Mathematics on 21.12.2021 on the occasion of National Mathematics Day for all the 1st and 2nd year students of B. Tech.







- To commemorate Mother Language Day (Matribhasha Diwas), the department organized a cultural programme on 21st Feb 2022.
- An online Power Point Presentation Competition was organized on the occasion of National Science Day on 28th Feb 2022
- An Impromptu Speaking Competition was organized for all students on 15.03.2022 at the college language laboratory.





• A Tree plantation drive was organized on the occasion of Earth Day on 22.04.2022.



Cultural Fest

ULLASH 2K22







The annual cultural fest namely "Ullash 2K22" was organized by OmDayal Group of Institutions on 9th and 10th June, 2022 at the College campus. A Committee was formed consisting of faculty members/staff and students to coordinate and execute the whole event. In this cultural fest, there were mainly two categories of events: 1) Games and performances, where the students of our college took part, and 2) Guest performances. An Online portal was introduced to the students for online registration of the games.

On the 1st day (09/06/22) there were several events like Coding competition, Breaking the pot, Quiz, Singing, Graffiti, Talent show and Fashion show. After the completion of the events of the students, there was a performance of our College Band named "Sfulingo" followed by a DJ event.



On the next day (10/06/22) there were events like Live sketch, Flip the bottle, Dance and Photography. In the evening, the final and main attraction was the performance of the renowned rock band "Prithibi".

The current students of our college and the Alumni were invited and they enjoyed the program thoroughly. The committee members, faculty members, staff and the students have organized this event efficiently and made it successful.



ANNUAL SPORTS 2022



The connotation of the word 'sports' transcends its etymological meaning, i.e. 'games' or 'recreations'. 'Sports' are the avenues to rejuvenate and reconnect with the self and build a healthy relationship among peers and colleagues. Driven by such beliefs and ideals, OmDayal Group of Institutions organized a two-day Sports event called 'Khelkud-2022' on 11th and 12th April, 2022. The event was comprised of five games, including Football, Badminton, Chess, Carrom and Table Tennis. The event which was a perfect milieu of indoor and outdoor games catered to an array of physical and mental attributes of students-sportsmanship fitness and strategic thinking.



















Natural disasters, apart from revealing the helplessness of humans in front of nature's whimsical tyrannies, also give us the opportunity to join our hands irrespective of race, caste, creed or religion. Yaas, a tropical cyclone, which swept across Orissa and West Bengal in May, 2021, was no different. Taking cue from this belief, OmDayal Group of Institutions, Uluberia, Howrah, took a pledge to stand by the inhabitants of the calamity-stricken areas to provide mental, physical, as well as financial support. However, this task not only required the hard work of a cohort of passionate compatriots, but also proper planning and consequent implementations.

The first step of the odyssey involved informing the Uluberia Police Station and Uluberia BDO1, two government local bodies in charge. After that, a group of staff members selected areas such as Uluberia BDO1, Phuleswar, Kalinagar BDO1 and Athgachi and undertook a mission to support the afflicted dwellers with daily ration. From 1.06.2021 to 10.06.2021, food containers consisting of a nutritious meal were distributed among these people. Carrying out this endeavor amidst Covid restrictions beckoned zeal and grit, and our staff members fulfilled it successfully with grace.





Advisory Body

Prof. (Dr.) Yogesh Kumar Sinha

Dr. Prosenjit Sen

Ms. Sudeshna Seal

Mr. Gautam Bondyopadhyay

Mr. Dipankar Hazra

Dr. Sukanya Das Chandra

UPCOMING EVENT

Tech Fest - 'VOYAGE - 2022'

Date: 9th & 10th Sept 2022