

OMDAYAL GROUP OF INSTITUTIONS

Surging forward towards excellence



OMCRAFT





*Learning gives creativity
Creativity leads to thinking
Thinking provides knowledge
Knowledge makes you great
... Dr. A. P. J. Abdul Kalam*



THE PRINCIPAL PENS

Knowledge enters into our being, colours our emotion, haunts our soul and is as close to us as life itself. It is the prime factor of our prosperity. It has many forms and in the structural way it is best available at educational institutions, with teachers, in libraries, in journals, workshop and seminar works. Our institute, though being located in the outskirts of the megacity, the location is indeed an advantage to the engineering students who are exposed to the vast and diverse entrepreneurial activities that this location is famous for.

I am very honoured to be given the charge of leading the college that has achieved much through the leadership of former Principals. As we start the new semester, let us approach it with boldness and renewed courage. We must celebrate our success, at the same time heed the lessons from past failures and surge forward towards making positive changes. We must acknowledge, that change is inevitable, sometimes may be risky but nevertheless calculative risk is necessary to keep us on the cutting edge. We have been involved in many activities to shape our destiny in the coming years. We have been endowed with many resources to build the infrastructure for the academic development.

Our various departments are moving ahead in their respective fields within the environmental constraints also. Many of our faculty members have contributed in their respective fields of specialization, delivered seminars, conducted workshops and in-house lectures in college and also at different institutes of our country. Our library has a large collection of books, national and international journals and provides DELNET and internet services. Our campus is Wi-Fi connected and we have already

set up LAN. Subsequently, we have planned the online/offline Examination process to monitor the students' progress frequently. At the same time, we have taken several initiatives in the examination reforms as suggested by WBUT and discussed the issues with the faculty members at subsequent meetings. Steps are also being taken to monitor the academic programmes for quality education and encouraging the students for their projects by giving them financial support. Through our inclusive educational policy we will continue to cater to the needs of the differently abled students, especially talented ones, nurturing them and seeking to make them as self-reliant as possible. This year most of the final year pass out students have been well placed in several reputed companies. This is a remarkable achievement for our institution.

Moreover, we continue to ignite passion to achieve excellence, to have the drive to sustain quality of college processes and outcomes, for us to continue as one strong, united community to go with the rhythm and flow that makes us unique. I feel the strong family bonding that has been built up in the college through my interactions with the staff, students and parents, has led to better co-operation and inculcated the team spirit. I believe this go-tong royong spirit will provide a holistic and enriching education to our students and the mantra – *“thinking out of the box”* for all will help us to soar to greater heights. Through these processes we ultimately want to create inspiring individuals who are capable of giving a new depth to the new generation, thus changing the face of the nation.

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SEMINARS SHARPEN THE SENSES

CIVIL DEPARTMENT SEMINAR ON DEEP AND PILE FOUNDATION



On 31st January 2015 a technical Seminar was organized by Civil Engineering Department on Deep and Pile Foundation for the enrichment of the Students.

Our in-house speaker Prof. Suprat Chattopadhyay, a Civil-Structural engineer with 40 years' experience in India and abroad, spoke on 'Well & Caisson Foundation'. The guest speaker for the day was Mr. Balaram Mukherjee, who is a foundation engineer with years of experience. His topic for the day was 'Pile Foundations'. The session ended with a question and answer session where students asked probing questions to the speakers.

CSE SEMINAR ON RECENT TRENDS IN COMPUTING



On the 3rd of March, 2015 a seminar was organized by the Department of Computer Science and Engineering on 'Recent Trends in Computing'. Guest speaker Dr. Debashis De, Associate Professor, WBUT enlightened the students with the concept of mobile cloud computing. It was an extremely interactive as well as interesting session. Mr. Soumen Kanrar, Scientist at Vohere Interactive, Kolkata, gave a presentation on the topic 'Counter Terrorism by

Efficient Computing- Case Study Voice Analysis'. He emphasized on the acoustic features of voice and detection of mimicry. The third guest speaker for the day was Mr. Vinayak Bandhopadhyay, Regional operational Head of Tata Consultancy Services (TCS) who stressed upon the various platforms to deliver services over Internet and discussed about the architectural examples of cloud computing. A poster presentation competition was also organized on the topic 'Recent Trends in Computing'. The seminar ended with the speakers taking queries from the audience and prizes given to the best poster.

SEMINAR ON ADVANCED ELECTRONICS AND COMMUNICATION SYSTEMS BY ELECTRONIC AND COMMUNICATION DEPARTMENT.



On 28th March 2015 a seminar was held having an illustrious panel of guests and speakers - Dr. Kamal Dasgupta (Acting Director, CSIR-CGRI), Dr. Sali Kr. Sanyal (Professor, Jadavpur University), Prof. Sayan Chatterjee (Jadavpur University), Prof. Susanta Kr. Parui (IIEST, Shibpur), Mr. Pradip Kr. Saha (President, Khaitan Winding Wires Pvt. Ltd.).

The first lecture of the day was delivered by Dr. Kamal Dasgupta. In his speech he emphasized on the electrical signal transmission through optical fiber, polarization of field that is sent under the suitable coating of specified waveguides, fiber modes, array of fiber gratings used in specified sensors, the advantage of using light as carrier, and effectively, the design and importance of optical amplifiers, keeping in mind the physical parameters like temperature, strength, pressure, torsion, refraction index etc. Prof. Sayan Chatterjee enlightened the audience on topics such as speaking on Monopulse Radar Technique that is used in aircraft, vehicles, and ships to detect or locate light reflecting or radio-wave reflecting objects. Mr. P. K. Saha gave the participants a deep and effective idea into the business ambience and environment. He also gave an idea about the leadership skills and qualities needed by an entrepreneur and business houses to flourish and prosper. For the post lunch session we had Prof. Dr. Sali Kr. Sanyal, who in great details and lucid language explained the MOS structures, the physics behind it, basic CMOS VLSI structures and designs, fabrication systems, realization of complex circuits. The final presentation of the day was delivered by Prof. Susanta Kr. Parui on antenna theory, microstrip technology, antenna feeding methods, frequency selective surface (FSS) structures and its related applications. The whole session was immensely informative and vibrant.

M.E DEPARTMENT SEMINAR ON THERMAL POWER PLANT



The seminar was organized by the Mechanical Engineering Department and presented by WBPDCCL engineers on 7th Feb 2015.

The one day event covered topics on power generation, electrical operation & maintenance, process control & instrumentation. Valuable practical insights were shared by the guest speakers during the course of presentation.

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SEMINAR cum WORKSHOP ON LEGAL AID

A Workshop cum Seminar was held on 11 September 2014 in the college to sensitize the students on various issues and concerns related to ragging, student unrest, causes and effects of juvenile delinquency. The Speakers for the day were Mr. Shyamal Samanta, SDPO, Uluberia Sub Divisional Office and Mr. Subhankar Dey, Circle Inspector of Police. Documentaries on important issues concerning the youth were also shown. The students were sensitized on ragging issues and what would be the outcome of illegal activities on their careers. It was a new learning experience for the students.

SEMINAR ON IDEA, CREATIVITY, INNOVATION THROUGH MOTIVATION

A Seminar was conducted on 12th September 2014, where the Chief Guest and Speaker was Mr. Amiya Kumar Kalidaha, Chief Scientific Officer of DST, Department of Science & Technology, Govt. of West Bengal.

The seminar began with felicitation of the Speaker and an introductory speech by the Principal, Prof. (Dr.) Sajal Kumar Giri, Registrar, Col. P. K. Dutta and the Nodal Officer, Mr. Pranab Biswas. The students were enlightened on how an idea can lead to creativity and innovation. Documentaries were also shown on how students can think of many other viable options and take risks for start ups and thus utilize their potential. Participation Certificates were awarded to students.

IN-HOUSE SEMINARS

Regular In-house Seminars are held on various topics for upgrading and skill development of faculty members.

13 March 2014 - Speakers were Dr. Amrita Mukherjee (Dept of BS&H), Mr. Debabrata Paul (HoD, ME) and Ms. Jhumpa Dey (Dept of ME). Topics were "Introduction to Liquid Crystal Display", "Potential Source of Biomass to utilize as Alternative Fuel for Renewable Energy" and "Synthesis & Parametric Optimization of Electroless Nickel Plating" respectively.

29 April 2014 - Speakers were Mrs. Uma Venkataraman (Dept of Humanities), Mr. Suvendu Chattaraj (CSE) and Mr. Swapan Majumdar (ECE). Topics were "The Elections & the Public", "Transfer Alignment Problem: An Overview" and "Visual Secret Sharing" respectively.

29 August 2014 - Speakers were Mrs. Monita Mitra (Dept of Humanities), Mr. Srijan Mukherjee (CE). Topics were "Dynamics of Professional

CELEBRATIONS



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RASHTRIZ A EKTA DIVAS CELEBRATIONS

To commemorate the 140th Birth Anniversary of Sardar Vallabhai Patel, the college observed 31st October 2014 as Rashtriza Ekta Divas by organizing several events. The Day started with the Pledge Taking which was administered by the Principal-in-charge Prof. (Dr.) Sajal Kumar Giri. Floral tribute was offered and "The Light for Unity" was lighted by the Principal and the Registrar along with the Senior Faculty members. There was an 'On the Spot Essay Writing Competition' on Vallabhai's contribution towards Nation building. As a symbol of Ekta there was a common lunch which was par taken by each and every member of the ODGI family.

SPORTS DAY CELEBRATIONS



The Sports Day was held on 18th and 19th February 2015 students had field day. There were both outdoor and indoor events where students participated enthusiastically. The outdoor events - Football and Cricket, were held in Nabasan Ground at Bagnan. Indoor games were Badminton, Carom, Chess and Table Tennis. The winners for Carom were TuhinDey (CSE) and Sachin Mishra (CSE). It was Riya Samanta and Shreya Basu of ECE who won the Women's title. In Badminton it was the Architecture Department who stole the show. The Winners were Souvik Mallick, Ankur Karmakar, Somani Goswami and Poulami Saha. In Chess Sk. Kamrul Sahil of Civil was the sole winner. In Table Tennis Kundan Giri (CSE) and Riya Samanta (ECE) took away the trophies. The Champions in Football was Mechanical Department and in Cricket it was CSE department. Amir Ahmed (ME) and Arindam Banerjee (CSE) were declared Man of the Match. It was a show of talent, skill and caliber and students eagerly exhibited the competitive and team spirit. Winners were awarded with trophies and medals.



TRIP TO PANCHET



A 2-day educational trip to Panchet was organised by our Civil Engineering Department on 19th and 20th October 2014. Thirty nine students were accompanied by four teachers - Mr. S. N. Roy, Mr. Saurav Paladhy, Mr. Palash Das and Mr. Bappa Sarkar. Students visited the Panchet Dam and Snake Park. They were briefed by the two site engineers who shared some interesting facts about one of the oldest dams in India.

The view of the Damodar River from the dam was breathtaking and mesmerizing. They also visited the control room from where the turbines were controlled and how they generated hydroelectric power.



AWARDS & ACHIEVEMENTS

AND THE WINNERS TAKE IT ALL

The young guns of the college have proved their true mettle in various fields, ranging from competitions on Science and the Industry to a plethora of extra-curricular activities. The college is honoured to provide a list of all the winners who have not only made the college proud, but also have earned a name for themselves.

Megha Didwania (CSE, 3rd)

1. First prize for winning the Wizards of Maths, 2012, organized by Vistamind
2. First prize for winning Wizards of Maths, 2013, organized by Vistamind.
3. First prize for winning the National Robotics Championship, organized by Ark- Techno Solutions.
4. Third prize at Entrepreneurship Awareness Camp, sponsored by the Department of Science and Technology, Govt. of W.B.

Suranjana Metla (CSE, 3rd)

A Semi-Finalist at the NASSCOM E-Summit Business Plan competition.

Madhuboni Dutta (CSE, 3rd)

Won the Fourth Prize at EXORSA 2013, A Technical Festival of WBUT BRANDADDY (Business based brand promotion event).

Agnijit Sadhukhan (CSE, 3rd)

1. Won the First Prize at Wizards of Maths, 2012, organized by Vistamind.
2. Winner of the First Prize at the Wizards of Maths 2013, organized by Vistamind.

Sk. Mujahir (CSE, 3rd)

Won the First prize at the National Robotics Championship, organized by Ark-Techno Solutions.

Subhendu Bhattacharya (CSE, 3rd)

1. A finalist at the (EUREKA) IEEE Certified Event, 2013. Received Certification for a Technical Paper presentation, organized by IIT, Kharagpur.
2. Semi- Finalist at the NASSCOM E-SUMMIT Business Plan Competition.
3. First Prize at Entrepreneurship Awareness Camp, sponsored by the Department of Science and Technology, Govt. of WB.
4. Finalist at Abhivyakti, IEE Technical Paper presentation, organized by NIT, Durgapur.
5. Semi-Finalist at Cleared Intel India Embedded Challenge, 2014.

Madhuboni Dutta (CSE, 3rd)

Won the Fourth Prize at EXORSA 2013, A Technical Festival of WBUT BRANDADDY (Business based brand promotion event).

Falki Samreen (CSE, 3rd)

Finalist at the 2013 EUREKA, IEEE Certified Event, organized by IIT, Kharagpur.

Darshan Mishra (CSE, 3rd)

First prize winner at the National Robotics Championship, organized by Ark- Techno Solutions.

Sumit Saurav (CSE, 3rd)

1. Second prize winner at Innovision, Kshitij 2014, at IIT, Kharagpur.
2. First prize winner at Technidite, Reflux 2014, at IIT, Guwahati.
3. Winner of the First prize at Resonance organized by College of Engineering and Management, Kolaghat.
4. Won Second prize at Ideas organized by Haldia Institute (Pyayukti) of Technology.
5. Was the First prize winner at Paperview, Edge 2014 organized by Techno India, Salt lake.
6. Second prize winner at Business Plan, Edge 2014 organized by Techno India.
7. Second Prize winner at paper presentation at Manthan, organized at Dr. Sudhir Chandra Sur Degree Engineering College, Dumdum.
8. First prize winner at Entrepreneurship Awareness camp, 2014, at DSTG
9. Was the runner up at Greenway, Reflux 2014, organized by IIT, Guwahati.
10. Runner up at Newtonstien, Zarf 2014, organized by AMU, Aligarh.
11. Runner up at Business Plan, Zarf 2014, organized by AMU, Aligarh.

Anupama Gupta (ECE 3rd)

Was a Finalist at the Robotics competition organized by NRC-2014.

Hussein Ahmed Shah Gilami (ECE 3rd)

Finalist at the Robotics competition organized by NRC-2014.

Excellent Placements

The on-going series of campus recruitments have seen several students from across streams selected by organizations/companies like Indian Navy, Yodlee Infotech, Tata Consultancy Services, Mphasis, HCL-Maintech and others. The placement scenario as of April 28, 2015 is...

Stream	Placed
Civil Engineering (CE)	23
Mechanical Engineering (ME)	30
Electronics & Communication Engineering (ECE)	28
Computer Science & Engineering (CSE)	12
Total	93

Online Internal Examinations

Through the able initiative of Prof. Dr. Sajal Giri (Principal-in-charge) there is Online Examination System for the Internal Evaluation of students. Students also undergo a series of Aptitude Tests for honing Numerical, Verbal and Logical Reasoning Ability. This makes them adept and skilled at handling competitive National and International Level Examinations. Mock Online Tests on the lines of GATE Examinations are also held regularly. Students are also made to take Online IELTS & TOEFL TESTS as practice from the First Semester onwards.

Training And Placement

To equip our students to handle the rigorous Campus placement selection process, they underwent a series of Mock Aptitude Tests. This was done through eLitmus, AMCAT & CoCubes the Professional Trainers for Campus Interviews.

EVENTS THAT INSPIRE, ENGAGE AND EMPOWER

ENTREPRENEURSHIP AWARENESS CAMP: 20-22 MARCH 2014

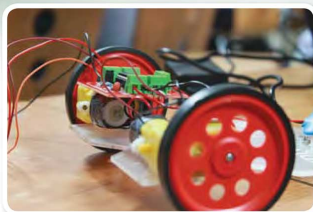
A three Day Entrepreneurship Awareness Camp was organized in the College on 20-22nd March 2014 under the aegis of Department of Science & Technology, Government of West Bengal. It was organized with the aim of making our budding engineers aware of alternative career options in order to combat the highly global competitive employment scenario facing today's engineers. The Workshop was headed by the Senior Scientific Officer, DST, Mr. Amiya Kumar Kalidaha and organized by the Nodal Officer Mr. Pranab Biswas with the supporting help of the Committee members. It was conducted over a period of three days with enlightened speakers from the academics, financial institutions and successful entrepreneurs from the thriving Industrial Growth Centre of Uluberia. The Workshop was inaugurated by our Principal, Prof. (Dr.) Sajal Giri, Registrar, Nodal Officer, Chief Guest and other Dignitaries. The Speakers were welcomed with a bouquet and a memento. The Chief Guest was Prof. (Dr.) Manas Kumar Sanyal, HOD, HRM, BESU and the Guest of Honour was Mr. Yashwant Ruita, Secretary, Uluberia Industrial Growth Centre. To enhance entrepreneur-academic interface students had an exposure to practical industrial processes when they visited the industries owned by the young Entrepreneurs. To disseminate information a plethora of eminent Speakers from various backgrounds like banking, business and entrepreneurs guided the students on how to write a business plan, how to arrange for finances and how best to make use of available resources to their advantage making profitable business ventures.

On the concluding day there was a competition between student groups who had to give a power point presentation on any innovative business plan. The programme was a grand success and concluded with the Prize giving ceremony which was awarded to students groups who gave the best presentations on viable innovative business options.





NATIONAL ROBOTICS CHAMPIONSHIP 2014



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The Department of Energy Science and Engineering IIT Bombay organized a National Robotics Championship on 7 & 8 February 2014 at Omdayal College of Engineering and Architecture, Uluberia. It was a zonal Level Workshop cum Competition held in association with ARK Techno Solutions and Helios-IIT Bombay. Different competitions were conducted and the main attractions were ARDUINO Software, ATMEGA Controller and Programming on ARDUINO and their applications. The sessions were engaging, interactive and interesting thereby igniting the software geek inherent in the computer science & electronic students. Our students excelled in the initial rounds thereby winning a chance to go into the final round which took place at IIT Bombay in March 2014. The winning team were awarded Certificates and medals. Congratulations to the winning team for making the college proud.

WALL MAGAZINE



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Our college has recently come up with its very first wall magazine Spectrum – a joint venture of the students and the coordinating faculty members. In the presence of staff members and students, Spectrum was inaugurated by Prof. (Dr.) Sajal Kumar Giri on March 17, 2015. Based on the suggestions from our respected Principal Sir and the coordinating teachers – Mr. Pradipta Biswas and Ms. Sharanya Ghosh, the students have given shape to this much awaited piece of art that showcases the students' élan in artistic endeavours and their sound technical knowledge. The aim of the ODGI wall magazine is to blend literature and fine arts (painting and photography) with the technical milieu of the institution, projecting its ideal of grooming its students as complete and competent individuals.



EDITORIAL TEAM

Prof. (Dr.) Sajal Kr. Giri, Principal-in-Charge

Ms. Monita Mitra, Assistant Professor, Humanities

Ms. Sharanya Ghosh, Assistant Professor, Humanities

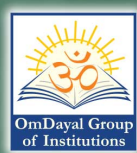
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