



SKS Educational and Social Trust

Bengal College of Engineering & Technology, Durgapur

Approved By AICTE New Delhi and Affiliated to MAKAUT, West Bengal

Department Of Mechanical Engineering

(Provisionally accredited by National Board of Accreditation, 2017-2020)

Editorial Board: Dr. N.K. Das, Dr. Sandeep Kumar, Mr. Subrata Ghosh

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Director's Message

I am extremely happy to know that the Department of Mechanical Engineering of BCET is bringing out a departmental news letter to improve visibility of the department among the stakeholder. Mechanical Engineering Department. has excellent potential to improve its reputation among the aspiring students, guardians, educational authorities, institutions and people of eastern India. I am sure highly capable faculties of this department will use this opportunity to showcase their academics process through publication of technical papers, articles, facilities and overall students' outcome of ME Department. I take this opportunity to congratulate the HOD and faculties of ME Department for this excellent Endeavour and wish their novel effort a grand success.

Prof.(Dr) A.C.Ganguli
Director, BCET, SKSGI.

Principal's Message

I am extremely happy that the Department of Mechanical Engineering is bringing out a News Letter. This News Letter will definitely help to showcase the activities that are happening in the Department, as well as in the campus. It also helps in building up team work which is very much needed today in the world of competition. It provides a platform for exposing the merits and academics achievements of the faculty. This enhances the documentation culture of the Department. This News Letter shall inspire all of us for new beginning enlighten with hope, confidence and faith in each other.

Prof.(Dr) R.C.Soni
Principal, BCET

Message from HOD

It is my immense pleasure in bringing out this Newsletter for the Department of Mechanical Engineering. At the outset, I express good wishes to those who worked for publication of this Newsletter.

Mechanical Engineering Department is provisionally accredited by National Board of Accreditation and has a well blend in members of the faculty who have good industrial / research / teaching experience in different fields, Laboratories and Workshops are well equipped with modern facilities to provide an enabling environment to facilitate students to excel in industries and professional institutes.

My best wishes to my students, faculty member, non teaching staff and all stakeholders.

Prof. (Dr) N. K. Das

About Us: Bengal College of Engineering and Technology, Durgapur

was established under the aegis of SKS Educational and Social Trust in 2001 with an objective of imparting quality education in Engineering/Technology and Management for uplifting the society and the country. From the inception of the college, Department of Mechanical Engineering is functioning as a basic Engineering Department to cater courses for first year B. Tech. only. In 2008 this department is upgraded to Degree Awarding Department and continuing in imparting quality education in Mechanical Engineering being provisionally accredited (2017 – 2020) by the National Board of Accreditation.

Consistent with Vision and Mission of College:

Vision of Department : To evolve as a centre of excellence in the field of Mechanical Engineering by continuous endeavor in improving the teaching learning process by adopting the advancements in this specialized field of engineering, to produce socially responsible competent professionals capable of working in multicultural global environment.

Mission of Department: 1. To impart quality technical and professional education by integrating sound fundamental knowledge in mathematics, science and engineering subjects to produce competent and responsible engineering professionals.

2. To provide an enabling environment for inculcating creative abilities, innovation, entrepreneurship with commitment to society, futuristic vision in national and global perspective.

3. To strive for shaping the Mechanical Engineering Department into a centre of excellence in teaching, learning and R&D in engineering design and analysis.

4. To improve on teaching and learning process by inculcating discipline, perseverance, effective communication skill, professional ethics and ability to design and conduct experiments, interpret and analyze data for developing products in real life use with an outlook for sustainable social and industrial needs and development.

Workshops/Seminar

One Day Workshop on “Artificial intelligence”

One Day Workshop on “Artificial Intelligence” was organized at BCET on 24th February 2019, being equally relevant to all departments. Mr. Krishna Kumar, the speaker from AICTE Pvt. Ltd, described various real life applications, future prospective and job opportunity along with technical discussion. A number of Mechanical Engineering students participated in the session.



One Day Workshop on “Python with Machine Learning”

One Day Workshop on “Python with Machine Learning” relevant to all disciplines of Engineering was organized at BCET on 25th February 2019, The speakers from AICTE Pvt. Ltd delivered expertise lecture on the topic. The students were benefited with the knowledge and its application in industrial area. Sourav Mukharjee, Abhay Kumar, Sourabh Pandey, Rohan Kumar, Tanay Chouhan, Md. Akif of Mechanical Engineering branch participated in the workshop.



One Day Workshop on “NCC Institutional Training Programme”

One Day Workshop on NCC Institutional Training Programme was organized at BCET on 4 April 2019. The speakers, Colonel Surindra Hora and Girl Commanding In charge Ms. Sujata Kumari from NCC head quarter, were present. They interacted with students and delivered the specialize lecture about importance and function of NCC with following objective: to expose young cadets to a `regimental way of life` which is essential to inculcate in them the values of discipline, duty, punctuality, orderliness, smartness, respect for the authorities, correct work ethos, and self-confidence.



One Day Seminar on “Artificial Intelligence”

One day seminar was organized at BCET on 17th April 2019. The resource person from industry Mr. Sankar Adhikari through his presentation enlightened the current research trends and advancements in this highly demanding field which will expose the participants to multifarious real life problems and different cutting edge technologies.



Faculty Participation in NPTEL Courses.

FDPs, a proven tool for effective improvement of teaching skills, time management in outcome based teaching have been adopted. To achieve these objectives a number of faculty members participated in various courses organized by different I.I.Ts. Mr. Gautam Kumar Pal got silver medal on Machining and Machining fluid, Mr. Pankaj Kumar, Mr. Randhir Kumar got **Elite Class** on Machining and Machining fluid. Dr. Sandeep Kumar Participated in NPTEL Course on Manufacturing Technology and got **Elite Class**. Mr. Benoy Sarkar, participated and received **certificate** in Thermodynamics. Mr. Prabhakar Ray, Mr. Mintu Ghosh, Mr. R. S. Mondal, Mr. Gautam Kumar Pal received **certificate** on Engineering Mechanics. Mr. Atwari Rawani got certificate on IC Engine and Turbo Machinery.



Career development programme “Participation in Massive Open Online Course”

Number of students from Mechanical Engineering discipline opted for MOOCs under the guidance of faculty members and appeared in 20th April 2019 examination. Total 65 students qualified successfully and received Merit certificates.

“Participation in NPTEL Certification Course”

About 50 students from Mechanical Engineering Department have accessed many subjects in this semester and

Design & Develop by Dr. Sandeep Kumar, MED

Sarvjeet Singh opted for Robotics and got **Elite Class Merit** certificate.

“Republic Day celebration”

70th Republic Day was celebrated with zeal at Bengal College of Engineering and Technology. National flag was hoisted and colourful events, parade were organized. Prof. (Dr.) A. C. Ganguli and other dignitaries addressed the gathering.



“Annual Sports Meet”

The much awaited Annual Sports Meet was organized on 15th & 16th February 2019. Students and faculty took part in different events with great zeal, excitement in spirited atmosphere. The Director SKSGI, Prof. (Dr.) A. C. Ganguli opened the sports meet through hoisting of College Flag. The oath taking ceremony followed wherein the students took oath to keep the spirit of sportsmanship.



Students demonstrated their skill in

Traditional Karate



Mr. Vinit kumar student of mechanical engineering department got man of the match in final match of the tournament .



E-fest Event

The Bengal College of engineering and technology has organized Techno Cultural Festival, the **E-fest** on 24th & 25th February 2019. A number of students from Mechanical Engineering discipline participated in many technical as well as cultural events.

“Vidyut”

Vidyut is a college level activity organized by the students of Bengal College of Engineering and Technology. Through various competitions, hands-on trainings, workshops, and discussions .Vidyut facilitates a forum for young minds, inspiring them to contribute in creative projects to integrate knowledge and talent.

**Training and placement
Industrial Training**

Students from Mechanical Engineering

stream went for Industrial Training in winter during December 2018–January 2019 in different industries. Adarsh Kumar Dubey, Bhawesh Pandey, Karan Raj completed their traing at Heavy Engineering Corporation Ltd., Ranchi; Sourav Mukharjee, Md. Kasif Sabbih, Ankit Kumar, Kumar Sanu, Ankit Kumar, Md. Mahtab Khan went to Damodar Valley Corporation, Andal, and Sarvjeet Singh at SAIL Burnpur.



Auto CAD Software training

Mr. Akit Kumar took **Auto CAD** Software training from CAD Center, City Center, and Durgapur in this semester.

“Industrial training from manufacturing firm”

Mr. Ankit Sarvan obtained training from Rajeev Automobile Ranchi during 15th December 2018 to 15th January 2019 Mr. Mrinal Kausik got training from BHEL Rourkela Steel Plant on construction of 1X250MW Thermal Power Plant during 1st January to 15th January.

“Industrial Internship”

Mr. Adarsh Kumar Dubey has completed one month internship at State Urban Development Agency, UD&HD, and Govt. of Jharkhand during December 2018-January 2019.

“Placements January 2019-June 2019”

The students of Mechanical Engineering department have bagged placements in organizations such as AIS India Glass Ltd., Go Speedy Go, Byju’s, Patanjali Ayurved Ltd., Shyam Sel & Power Ltd., Air Control & Chemical Engineering Company Ltd., VAP Technology, GE, Genpact, Eleation, Cyanberg Technology India Pvt Ltd, Neo Metaliks, and PULSUS Healthtech LLP.

