

TECHNICAL ACTIVITY CARRIED OUT BY CENTRES / OVERSEAS CHAPTERS

Name of Centre / Overseas Chapter:	Durgapur Local Centre
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Title of Activity:	'Industry-Academia Interface'
Activity under Divisional Board (delete which are not applicable):	ICC
Date: 15/12/2018	Venue: CHRD, SAIL, DURGAPUR STEEL PLANT



'Industry-Academia Interface' programme organized by The Institution of Engineers (India) and hosted by Durgapur Local Centre on December 15, 2018 at Durgapur Steel Plant, Centre for Human Resource Development, Durgapur. The theme of the program was "**Imperatives of Engineering Education: Enhancing Employability**".

The event was inaugurated by Mr Dilip Kumar Agasty, Hon'ble Mayor, Durgapur Municipal Corporation. On this occasion, Dr Anupam Basu, Director National Institute of Technology, Durgapur, Mr S K Srivastava, Director, National Power Training Institute (ER), Durgapur and Dr Shorosimohan Dan, Former Vice Chancellor, University of Burdwan graced the function as Guests of Honour.

Mr Sisir Kumar Banerjee, President of The Institution of Engineers (India) welcomed the august gathering and enlightened the essence of the interface programme in the current context of employability of engineering students.

Maj Gen (Dr) S Bhattacharya, VSM (Retd.), Secretary and Director General, The Institution of Engineers (India) briefed about the theme of the program and highlighted the current needs of industry and institute interaction programme in the country.

Dr Anupam Basu, Director National Institute of Technology, Durgapur enlightened that academy should come forward to the Industry and they must work together so that weak points of academics may be rectified. Further Dr Basu also emphasized on the primary requirements of the industries should be inclined with the academic requirements and the linkages must be self-sustained. As a result Engineering Graduates and faculty members will be more employable and acceptable in the industry.

Mr S K Srivastava, Director, National Power Training Institute (ER), Durgapur focused on the connection of global economy in industry institute interaction. He also stated that the today's engineering education is moving towards a knowledge based system.

Dr Shorosimohan Dan, Former Vice Chancellor, University of Burdwan also highlighted the gap between research and industries and its partnership at the global platform. He also stated that the present education system is more outcomes based rather than output based education.

Hon'ble Mayor of Durgapur Municipal Corporation, Shri Dilip Kumar Agasty highlighted that the Industry and Institute should have the proper co-operation and collaboration so that the bridging industry and academics should be utilized for the societal development. Sri Agasty congratulated The Institution of Engineers (India) for organizing such type of event in Durgapur.

Mr R K Roy, Chairman, Durgapur Local Centre, The Institution of Engineers (India) proposed the Vote of thanks.

Session: I

Panel Discussion:

Sub theme:- Strengthening Industry – Academy Linkages: Challenges and Way Forward

Moderator: Mr S K Misra, Executive Director, Alloy Steels Plant, Durgapur

Keynote Address: Mr Goutam Chanda, Chief Engineer & Project Head, DVC, DSTPS, Durgapur

Speakers: Prof (Dr) N Banerjee NIT, Durgapur & Dr D Ghosh, Principal Scientist, CSIR-CMERI Durgapur

Mr G Chanda in his keynote address elaborately described today's scenario in the Industry and explained beautifully what industry wants from the engineers to make the industry viable by making profit it needs to survive. He said the engineers are the pillars of Industry who take responsibility for the growth of it under changeable global market. With their farsightedness they can foresee what is going to happen in near future and accordingly they work and formulate policies. So it is they who can help the nation in the greater sense by their experience and knowledge.

Prof (Dr) N Banerjee highlighted on the subject of making good engineers passing out from the colleges at the same time industry should come forward to place their needs from the colleges where the engineers study. It is like two sides of the river one is industry and the other is institution. They should make a bridge between the two by involving industry and institution work together so that the knowledge of engineers can be better utilized to reach the goal of industry by making best products.

Dr D Ghosh in his speech put importance in research side as without research development of any product is not possible. After passing out from college students must be attached in research work so that their knowledge of engineering can be better utilized when it is put in the industry for working in the practical field.

Session: II

Panel Discussion:

Sub theme: Creating Models of Balanced Education Focussed on Employability

Moderator: Prof (Dr) Sudipto Sarkar, Director, NSHM Knowledge Campus, Durgapur

Keynote Address: Prof C T Bhunia, Director General Durgapur Institute of Advanced Technology and Management

Speakers: Mr P P Roy, General Manager, The Durgapur Projects Ltd,

Dr A C Ganguly, Director, BCET Durgapur and Mr P Shaw, Dy General Manager (HRD), SAIL, DSP

Prof Bhunia talked much about the present situation in colleges and industries. It is, according to him, the prime duty of colleges is to study the students in which wing they like to serve. If they want to join industry they should be allowed to visit the industries to see how the engineering knowledge helps the industry to produce the result of perfection in making the product. They should know where the difference between the theoretical knowledge and practical working lies. Then only they will be able to be perfect engineers. The industry will get the maximum benefit from these engineers in day to day working and running the industry in ideal manner.

Prof (Dr) Ganguly mentioned the engineers should be proud to have theoretical knowledge from the colleges by learning the lessons from professors but unless their knowledge is of practical use

the industry will not accept them. For this the engineers should be practical guide in the industry and unless there is a system with the close interaction with the industry engineers will not be of any use to them. So it is necessary both industry and college should come together and sit together to find the solution of need of each of them. So this sort of meet will help a lot if conducted regularly.

Mr P P Roy said industry needs good engineers who can deliver the products as most of the industries suffer from having practical engineers. He feels it is highly necessary for colleges to come forward and make a joint venture to have a common platform where one can speak to the other for betterment in the industry to produce more and quality goods.

Mr P Shaw spoke about the CHRD, DSP is helping by giving opportunity for training to the fresh engineers to make them aware of what industry demands from them. He also spoke about different schemes for different levels of engineers for undergoing practical shop floor training and how they can help in widening their knowledge before being absorbed in any industry with heavy machinery and all that.