



DEPARTMENT OF ELECTRICAL & RENEWABLE ENERGY ENGINEERING
School Of Engineering And Technology, BGSB University
Rajouri (J&K) – 185234

Ref. No. BGSBU/COET/ERE/17/208

Dated: 11-05-2017

The Dean SOET
BGSB University
Rajouri.


Sub:- Report for one day Industrial interaction on Electrical Systems in Thermal.

Report

EREE department organized a one day Industrial interaction on electrical systems in thermal power plants. Mr. Jaffar Iqbal (Senior Deputy Manager, BHEL) headed the session whose objective was to bridge the gap between Industry and Institute. This interaction had great bearing on the Engineering Curriculum, exposure of industrial atmosphere to engineering students and subsequent placement of young graduating engineers in industries across the country. Mr Jaffar Iqbal stressed that in order to promote Industry Institute Interaction the following initiatives are need to be addressed-

1. Organizing Workshops, International & National conferences with joint participation of the faculty and the industries.
2. Value added courses in collaboration with Industries.
3. Arranging invited lectures by professionals from industry.
4. Participation of experts from industry in curriculum development.
5. Arranging visits of staff members to various industries.
6. Consultancy work rendered to industries.
7. Providing technical support to the industrial consultants for various industrial processes.
8. Extending academic support to the industrial consultants using real time application software.
9. Visits of faculty to industry for study and discussions on moulding students' project to comply with industrial standard.
10. Memoranda of Understanding with industries to bring the two sides strategically closer.
11. Collaboration with companies for submission of proposals to funding agencies.

He also stressed on the importance of value added courses. Value added courses are conducted aiming to bridge the gap between academic and industrial compliance. It also enhances the employability prospects of the student. The lecture was attended by 121 participants.


Head of Department
Electrical & Renewable Engineering
CoET, BGSBU

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OBJECTIVE

The objective of Industrial Interaction is to bridge the gap between Industry and Institute. Technical Education forms the backbone of development of a nation. Industry is the major consumer of technical institution product. The real requirement of industry will be explored only through effective interaction with them.

HIGHLIGHTS

- Thermal Power Plants
- Turbo Generators
- Gas Turbines
- Experience Sharing

CONTENTS

- ❖ An Introduction to Thermal Power Plants
 - Coal to Electricity
 - Gas Turbines
- ❖ Electrical Systems in a Power Plant
 - H.V Switchgear
 - Bus duct
 - Switchyard Equipments
 - L.V Switchgear
- ❖ Constructional Features of a Generator.
 - Stator
 - Rotor
 - Winding
 - Core
- ❖ Excitation Systems
- ❖ Experience Sharing and Troubleshooting

ORGANIZING COMMITTEE

CHIEF PATRON

Prof. Javed Musarrat
Hon'ble Vice Chancellor, BGSB University

PATRON

Prof. Mohammad Asger
Principal, College of Engineering & Technology

CONVENOR

Mr. Ahmed Riyaz (Head, ERE)

ORGANIZING SECRETARY
Mr. Farhad Ilahi Bakhsh, AP, ERE

CO-ORDINATORS

Mr. Vinod Puri, AP, ERE
Mr. Qamar Ul Islam, AP, ERE

ORGANIZING MEMBERS

Mr. Muzaffar Hussain, AP, ERE
Ms. Ankita Runani, AP, ERE
Mr. Yassar Arfat, AP, ERE
Mr. Neetan Sharma, Lecturer, ERE

Registration Fee (per person)	
For Students	Rs. 50/-
For Faculty Members/ Staff	Rs. 50/-

Note:

1. The entries are limited to students on first come first serve basis.
2. Certificate will be given to the participants who will attend all the sessions.
3. For Registration please contact:
Mr. Qamar Ul Islam +91-9107741730
Ms. Ankita Runani +91-9086175728
Mr. Ishtyaq Choudary +91-9622204373

Industrial Interaction On ELECTRICAL SYSTEMS IN THERMAL POWER PLANT

11th May, 2017
(Venue: Auditorium, University
Polytechnic, BGSBU)



By
Mr. Jafar Ali (Senior Deputy General
Manager, BHEL)



Organized By
Department of ERE
School of Engineering and Technology
Baba Ghulam Shah Badshah University
Rajouri – 185234, J & K

ABOUT SoET

School of Engineering and Technology (SoET) consists of College of Engineering and Technology (CoET) and University Polytechnic. CoET is constituent college of BGSBU and was established in the year 2007. CoET has created the infrastructure to impart engineering education in a record time of six months. CoET has become one of the premier learning centre in the field of engineering. CoET is currently engaging more than 1000 future engineers in different courses from different regions of the state. Various Workshops and Seminars are held throughout the year involving academic and industry experts. Various B. Tech. courses offered by the college are :

- B. Tech. in Electrical and Renewable Energy Engineering
- B. Tech. in Computer Science and Engineering
- B. Tech. in Electronics and Communication Engineering
- B. Tech. in Information Technology and Engineering
- B. Tech. in Civil Engineering

Each B. Tech. course is of 4 years, 8 semester programme during which training is provided through classroom lectures, laboratory work and workshop practice.

SoET has the unique distinction of having established the first centrally funded Polytechnic in collaboration with the J&K State Government. The need of Polytechnic was felt on account of non-availability of any such institute in the region to meet the great market demand for skilled lower level end engineers. Each Diploma course is of 3 years, 6 semester programme.

ABOUT BGSBU

The Baba Ghulam Shah Badshah University (BGSBU) has come into existence by an Act of the Jammu & Kashmir Legislative Assembly called the Jammu & Kashmir Baba Ghulam Shah Badshah University Act No. XVI of 2002. The motto of the university is "Iqra Bismi Rabbik-al-lazi Khalaq" which means, "Read in the name of God who has created all that exists". It reflects the vision and idealism for which the university stands. The objective identified for the university in the Act is to impart quality education and undertake research in basic and job oriented fields. Accordingly, the university has launched teaching programmes in School of Engineering and Technology, School of Mathematical and Computer Sciences, School of Management Studies, School of Biosciences and Biotechnology, School of Islamic Studies and Languages, School of Education, School of Nursing & Biomedical Sciences, School of Social Sciences, School of Healthcare & Pharmacy and School of Material Sciences & Nanotechnology.



ABOUT Speaker

Mr. Jafar Ali is Electrical Engineering Graduate of 1992 Batch of NIT (Formerly Regional Engineering College) Hazratbal Srinagar, University of Kashmir (J&K).

He joined BHEL in 1994 as an ET. Since then he is posted in Turbogenerator & Electrical Group of Power Sector Technical Service (H.Q) New Delhi/Noida.

During this period he has worked in different areas of Turbo Generator i.e Erection, Commissioning, Servicing and Troubleshooting activities from 60 MW to 800 MW at different sites all over India.

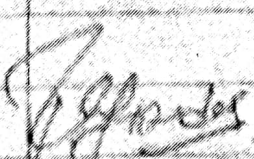















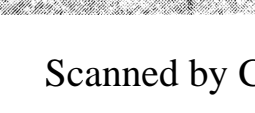
He was involved in preparation of Standard Erection/Commissioning and Servicing Manuals for different rating of Generators.

He has also published/presented papers in different forums.

From January 2007 to July 2008 he was posted to P.D.O Qarn Alam site in Sultanate of Oman as Electrical Erection and Commissioning Engineer for Frame 9E Gas turbine based power plant executed by BHEL.

Presently he is working as Senior Deputy General Manager (Sr. D.G.M) in Turbo Generator and Electrical group of Power Sector Technical Services (PS-TS) BHEL Noida.

8th Sem ERE

S No	Roll No.	Name	Registration	Certificate
1	01-ERE-2013	Muzamil Yousf	Done ✓	
2	03-ERE-2013	Rafce Ahmad Dar	Done ✓	
3	05-ERE-2013	Moin Imtiyaz	Done ✓	
4	08-ERE-2013	Adil Majeed Mir	Done ✓	
5	10-ERE-2013	Mauzoor Ahmad Wagay	Done ✓	
6	11-ERE-2013	Naseem Ahmad Bhat	Done ✓	
7	14-ERE-2013	Rifat Ullah Bhat	Done ✓	
8	15-ERE-2013	Syed Saqlain Malraji	Done ✓	
9	16-ERE-2013	Shahid Latif	Done ✓	
10	18-ERE-2013	Mehtab Ahmed	Done ✓	
11	19-ERE-2013	Saiyinu Butool	Done ✓	
12	20-ERE-2013	Mohd Asif	Done ✓	
13	21-ERE-2013	Aurang Zeb Khan	Done ✓	
14	22-ERE-2013	Nasir Ferooz Khan	Done ✓	
15	23-ERE-2013	Zarka Mirza	Done ✓	
16	24-ERE-2013	Arian Ahmed Lone	Done ✓	
17	26-ERE-2013	Haq Nawaz Chaudhary	Done ✓	
18	27-ERE-2013	Khalida Yousaf	Done ✓	
19	29-ERE-2013	Rajeshwar	Done ✓	
20	31-ERE-2013	Sachin Sharma	Done ✓	
21	33-ERE-2013	Muzamil Mushtaq	Done ✓	
22	35-ERE-2013	Henan Sadiq	Done ✓	
23	37-ERE-2013	Aamir Zahoor	Done ✓	
24	40-ERE-2013	Suhail Rafi	Done ✓	
25	42-ERE-2013	Shafia Khanam	Done ✓	

26	43-ERE-2013	Faizan Khurshid Shah	Done	✓	✓
27	46-ERE-2013	Sohail Gayas	Done	✓	✓
28	47-ERE-2013	Ruqaya Mohi U- Din	Done	✓	✓
29	48-ERE-2013	Gazia Manzoor	Done	✓	✓
30	49-ERE-2013	Hameed Haq	Done	✓	✓
31	52-ERE-2013	Aneesa Zaffer	Done	✓	✓
32	54-ERE-2013	Zoya Asgar	Done	✓	✓
33	56-ERE-2013	Shagufta Yousuf	Done	✓	✓
34	58-ERE-2013	Heena Ayoub	Done	✓	✓
35	59-ERE-2013	Rabia Butt	Done	✓	✓
36	60-ERE-2013	Kajal Sharma	Done	✓	✓

6th sem ERE

37	01-ERE-2014	Mohsin Yousouf Wani	Done	✓	✓
38	02-ERE-2014	Mohd Anns Wani	Done	✓	✓
39	06-ERE-2014	Saima Yaqub	Done	✓	✓
40	07-ERE-2014	Faheem Bashir	Done	✓	✓
41	08-ERE-2014	Sayed Sumaya Khurshid	Done	✓	✓
42	10-ERE-2014	S Ayaz Ahmed	Done	✓	✓
43	11-ERE-2014	Muzammil Mushtaq	Done	✓	✓
44	13-ERE-2014	Sheikh Zeeshan Fazil	Done	✓	✓
45	16-ERE-2014	Akhter Ul Islam	Done	✓	✓
46	17-ERE-2014	Mohd Amir Bhat	Done	✓	✓
47	18-ERE-2014	Junaid Ahmed Malik	Done	✓	✓
48	19-ERE-2014	Shubam Sagoch	Done	✓	✓
49	20-ERE-2014	Dikshit Langer	Done	✓	✓
50	22-ERE-2014	Abrar Ul Hussain	Done	✓	✓

51	24-ERE-2014	Mohd Irfan Khan	Done	✓	
52	25-ERE-2014	Sutinder Kumar	Done	✓	
53	26-ERE-2014	Irfan Chowdhary	Done	✓	
54	27-ERE-2014	Hassan Sayed	Done	✓	
55	28-ERE-2014	Mohd Muftaba Khan	Done	✓	
56	29-ERE-2014	Asad Chowdhary	Done	✓	
57	30-ERE-2014	Mohammed Sajid Chowdhary	Done	✓	
58	31-ERE-2014	Mudassir Bashir	Done	✓	
59	32-ERE-2014	Rahul Kumar Bhagat	Done	✓	
60	33-ERE-2014	Fayaza Fayaz	Done	✓	
61	34-ERE-2014	Junaid Farooq	Done	✓	
62	35-ERE-2014	Umer Islambhat	Done	✓	
63	36-ERE-2014	Mohd Kashif Malik	Done	✓	
64	37-ERE-2014	Sameera Aijaz	Done	✓	
65	38-ERE-2014	Faiza Tabassum	Done	✓	
66	39-ERE-2014	Tabir Hamid	Done	✓	
67	40-ERE-2014	Sayed Umer Jan	Done	✓	
68	41-ERE-2014	Faisal Sheikh	Done	✓	
69	43-ERE-2014	Mohd Asif	Done	✓	
70	44-ERE-2014	Sheikh Hilal Nazir	Done	✓	
71	46-ERE-2014	Amir Suhail	Done	✓	
72	47-ERE-2014	Ishtat Nabi	Done	✓	
73	48-ERE-2014	Taqveer Ahmed	Done	✓	
74	50-ERE/L-15	Junaid Nazir	Done	✓	
75	52-ERE/L-15	Nischal Kumar	Done	✓	
76	53-ERE/L-15	Manish Kumar	Done	✓	

4th Sem ERE

77	01-ERE-2015	Junaid Qasim	Done	✓	Junaid
78	02-ERE-2015	Shaista Bashir	Done	✓	Shaista
79	03-ERE-2015	Mohammad Nayeem Khan	Done	✓	Nayeem
80	04-ERE-2015	Basharat Gulshan Lone	Done	✓	Basharat
81	06-ERE-2015	Mir Abdul Manan	Done	✓	(M)
82	07-ERE-2015	Arif Ahmad Parry	Done	✓	Arif
83	08-ERE-2015	Mueeza Gul	Done	✓	Mueeza
84	09-ERE-2015	Imran Hamid Wani	Done	✓	Imran
85	10-ERE-2015	Sameer Abbas	Done	✓	Sameer
86	11-ERE-2015	Muneeb Ul Islam	Done	✓	Muneeb
87	12-ERE-2015	Khan Majid Rasool	Done	✓	Khan Majid
88	13-ERE-2015	Afnan Qayoom	Done	✓	Afnan
89	15-ERE-2015	Younes Farooq	Done	✓	Younes
90	16-ERE-2015	Sumaiya Nabi	Done	✓	Sumaiya
91	17-ERE-2015	Raja Sheeraz Bashir	Done	✓	Raja
92	18-ERE-2015	Danish Mushtaq	Done	✓	Danish
93	19-ERE-2015	Naila Shah	Done	✓	Naila
94	20-ERE-2015	Adnan Hamid	Done	✓	Adnan
95	21-ERE-2015	Sayma Jeelani Khan	Done	✓	Sayma
96	22-ERE-2015	Tameem Saqib	Done	✓	Tameem
97	23-ERE-2015	Aftab Hussain Shah	Done	✓	Aftab
98	27-ERE-2015	Malik Yasir Shamim	Done	✓	Malik
99	28-ERE-2015	Mohammad Usman Wani	Done	✓	Mohammad
100	29-ERE-2015	Naseem Ahmed	Done	✓	Naseem
101	32-ERE-2015	Sayed Danish Bukhari	Done	✓	Sayed
102	35-ERE-2015	Tabasam Hafiz	Done	✓	Tabasam

104	30-ERE-2015	Fahad Furqan	Done	✓	✓
105	44-ERE-2015	Tariq Mehmood	Done	✓	✓
106	50-ERE-2015	Fayez Mushtaq Shah	Done	✓	✓
107	51-ERE-2015	Nohush Manzoor Shah	Done	✓	✓

2nd Sem ERE

107	02-ERE-2016	Ubaid Mushtaq Mir	Done	✓	Hozay
108	03-ERE-2016	Uraah Bashir	Done	✓	
109	04-ERE-2016	Iqbal Nasir	Done	✓	Hozay
110	11-ERE-2016	Ishtaq Ahmad Nalkoo	Done	✓	Tanveer
111	15-ERE-2016	Yasir Manzoor	Done	✓	Tanveer
112	17-ERE-2016	Aamir Jan	Done	✓	Hozay
113	18-ERE-2016	Masooda Yousuf	Done	✓	Masooda
114	19-ERE-2016	Aabid Ahmad Mir	Done	✓	Hozay
115	24-ERE-2016	Sadam Parvez	Done	✓	Hozay
116	25-ERE-2016	Sheeba Gulzar Tantray	Done	✓	Sheeba
117	29-ERE-2016	Mohammad Shoaib Mir	Done	✓	Hozay
118	30-ERE-2016	Mohammad Ateeb	Done	✓	Mohammad
119	31-ERE-2016	Sheikh Owais Hamid	Done	✓	Hozay
120	35-ERE-2016	Mohammad Younis Mir	Done	✓	Mohammad
121	40-ERE-2016	Syed Ishfaq Ahmad	Done	✓	Hozay