



**GEDA**  
ગુજરાત ઊર્જા વિકાસ એજન્સી  
GUJARAT ENERGY DEVELOPMENT AGENCY



**Gujarat Energy Development Agency (GEDA) & SSIP CELL BBIT  
Sponsored One Day Program On  
“Energy Conservation Awareness”  
On 14<sup>th</sup> March, 2020  
At Bhailalbai and Bhikhabhai Institute of Technology**

One day workshop on Energy Conservation Awareness was arranged by Electrical Engineering Department on 14<sup>th</sup> March, 2020 with a view to spread energy conservation spirit and to meet the PEO of the Department which states to inculcate the ethical and social responsibilities besides the technical and professional attitude in the students. The program was sponsored by Gujarat Energy Development Agency (GEDA) – A Government of Gujarat Organization & Student Startup & Inovation Policy (SSIP) CELL BBIT. The Program was organized under SSIP Cell, BBIT and ISTE Student Chapter. The program was conducted by M/s. Shreeji Tech, Godhra. Er. Jayesh Patel, Er. Krunal Prajapati and Hiren Prajapati have inaugurated the section. Around 75 students registered for the workshop. In the inaugural function, Principal Dr. K. M. Makwana encouraged the participants for energy conservation through her motivational presidential address which was followed by a key-note address by Er. Jayesh Patel, Er. Krunal Prajapati and Hiren Prajapati, a pioneer for Energy Conservation Activities in Gujarat. Er. Jayesh Patel in his keynote address focused on activities and initiatives taken for energy conservation and awareness by GEDA. Prof. Ashok Parmar has welcomed by his auspicious words. Prof. Shweta Prajapati , Programe coordinator was explain entire program schedule. Dr. A. P. Shah concluded the inaugural function by presenting the vote of thanks.



REGISTRATION



INOGRATION



WELLCOME GUEST



MOTIVATIONAL SPEECH



EXPERT TALK DELEVERING KNOWLEDGE



LAUNCH TIME



QUIZE TIME

The technical session started with the overview of the energy sector and Energy scenario in India, where Er. Jayesh Patel pointed out that - India has less than 1% of world oil & gas reserves and 17% of world population. He remarked that heavy dependence on imported energy (80% of oil, 15 to 20% of coal and Gas), poses serious questions about



energy security and balance of payment. To meet challenges of climate change and environmental pollution, improving energy efficiency is a cost effective solution.



### PRACTICAL SESSION

Energy auditing team has performed experiment session on three phase induction motor to demonstrate effect of variable power factor on performance of three phase induction motor in context to energy conservation.

He also discussed about why energy should be saved. This was explained with several examples. He explained how the investment can be reduced using energy efficient tube lights, fan etc. He also discussed Residential, Commercial, and LT Industries Tariff. Case study for bill analysis of engineering industry was also discussed. He has talked about the getting rebate by industry by improving power factor and by shifting load to night from peak period. He also explained the process of Energy Audit. Energy audit is aimed to improve energy productivity.



### CERTIFICATE DISTRIBUTION



## VELIDATORY

Certificate to the students were issue by Prof. A. A. Parmar (Head of Electrical-GIA) and Dr. A. P. Shah (Head of Electrical-SFI) to all participate and valedictory speech was also given by him on how such workshops will benefit students and staff in future.

Prof. Shweta Y. Prajapati  
Workshop Coordinator