

**BIRLA VISHVAKARMA MAHAVIDYALAYA**

**(An Autonomous Institution)**

**(Managed by CVM)**

**IE(I) Students' Chapter – Electrical Department**

**Chapter Code:388120/BVME/EL**

**Report of Student Activities for the academic year 2017-18**

**1.A workshop titled ARDUINO: a logical approach**



**Date of Event and Time:**17/03/2018, 11:00AM (Onwards)

**Venue :** A216

**Faculty of Coordinator :** Prof. M.N.Sinha

**Total students participated:** 46 Students of various levels

A technical workshop was organised by Electrical department Students at BVM Campus on 17<sup>th</sup> March '18. A group of 8 active students had organised and conducted this event under the guidance of Faculty co-ordinator Prof. MN Sinha . The workshop was conducted under the banner of IE(I) ELECTRICAL ENGINEERING student chapter. Under this workshop, students got a brief and clear knowledge of "ARDUINO".

### **ABOUT THE WORKSHOP**

The Event was organised in a very systematic manner .The whole session was actually divided into Four parts .

#### **1. A Brief Description of Arduino**

In this part there were descriptions on "What is Arduino?", and also the components on Arduino board, and other important things of Arduino.

#### **2. Installation of IDE**

There was a brief description on IDE software for Arduino. IDE is an important platform for programming the Arduino.

#### **3. Programming of Arduino**

Different types of Syntax and function were explained to participants with simple examples.

#### **4. Hands on Projects**

Volunteers were performing live practical's which were also performed by participants simultaneously.

**Numbers of Participants:46**

#### **Conclusion:**

The main Aim of this event was to spread knowledge of arduino microcontroller boards. The introduction to Arduino includes Automation using skills of programming and Electrical connections .

**Event organisers:**



Lovlesh , Kedar , Darshit , Shrey , Anurag , Darshan , Rushabh (from left)

2.Report on One day Workshop on “Energy Conservation Awareness Program” Sponsored by GEDA, Gandhinagar on 28.07.2018 (Saturday) Conducted by: Shree Om Engineering Associates, Ahmedabad Organized by : IE(I) Students’ Chapter Electrical Engineering Department, BVM Engineering College, Vallabh Vidyanagar

About Workshop: A workshop was organized by IE(I) Students’ Chapter of Electrical Department of Birla Vishvakarma Mahavidyalaya Engineering College on “Energy Conservation Awareness Program” conducted by Shree Om Engineering Associates, Ahmedabad sponsored by GEDA (Gujarat Energy Development Agency). Shri Chetan Chauhan with engineers from Shree Om Engineering Associates had conducted the program. They were very experienced dignitaries and shared all the practical aspects of this field.

Our Principal Dr. I. N. Patel, Dr. B R Parekh Head Electrical Engineering Department, Prof. M.N.Sinha Faculty Advisor IE(I) Students Chapter, EE Department, Prof. Y R Prajapati Co-coordinator of WS, and other faculties were present during the seminar.

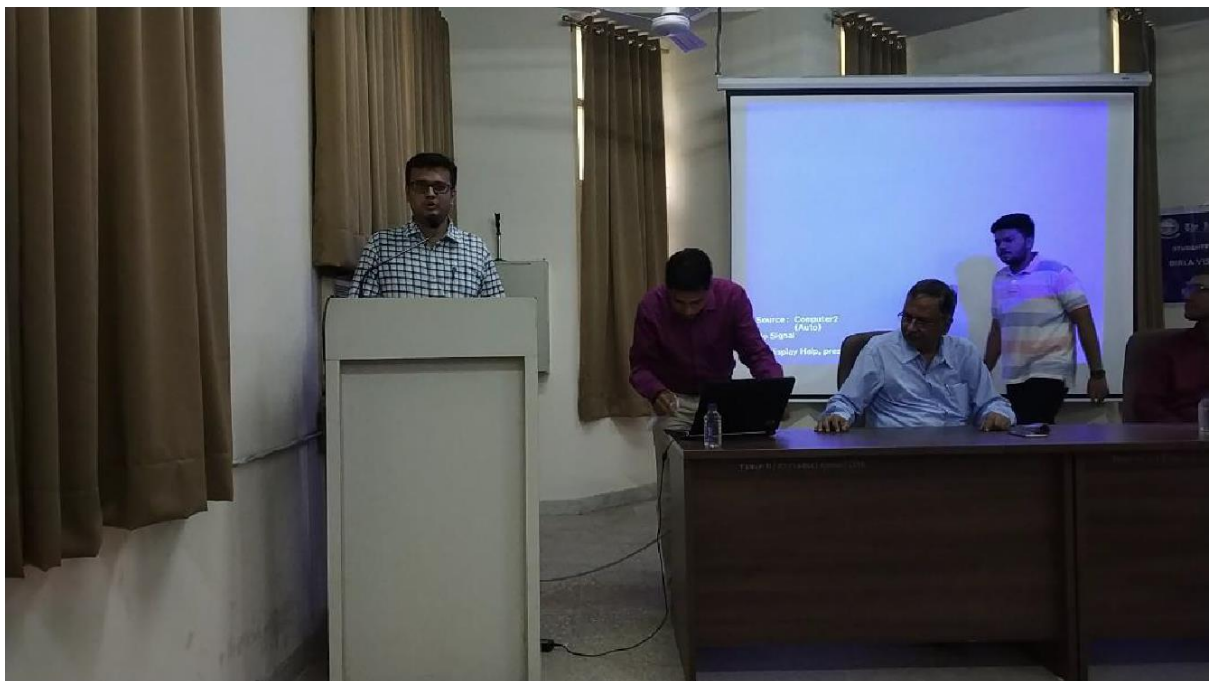
The topic of the seminar was energy conservation and it also covered the other ways and means to cope with the increasing energy demand. The seminar was initiated by Shri Chetan Chauhan sir students with a general idea about energy scenario in India and the session by discussing why we need to conserve energy and also gave the information about the possible ways to conserve it. He presented two ways to solve this problem and those were to stop wastage of energy and to promote the use of non-conventional sources of energy. He continued on the topic of how to conserve and save electricity and also how we can increase the production of electricity in the present scenario of thermal power plants. Then started the topic of non conventional sources of energy like wind, solar, thermal, etc. In each of these topics the pros and cons of the methods were discussed by him and also some new research like in the field of

Solar Energy the use of solar panels on house roofs is increasing in foreign countries and the concept of net metering which is the difference of units consumed and units produced were also thoroughly explained by him. He gave the reasons for the requirement of energy audit and why it is very important in energy conservation as during the audit all the wastage of energy in the firm is listed out which helps the firm decrease its bill as well as helps to decrease the use of energy for the world. He continued on the topic of energy audit for about an hour and further explained how to reduce use of energy via energy audit and remove loss of energy. Thus at the end the seminar was concluded and we came to know that energy is needed to be conserved as the resources presently producing the energy are limited and conserving energy now will only stop the crisis of the future as well as it will make us better prepared for future challenges. The solution for this increasing demand of energy was given by sir as to use nonconventional sources of energy along with conventional sources. It indeed helps to conserve the depleting sources as well as helps us in many other ways. Installation of solar panels on the canal not only helps in generating electricity but also prevents the canal water from evaporating and optimum usage of the land acquired for the canal. At the end both the guests were given vote of thanks by Prof. M.N.Sinha Sir and Prof. Yogesh Prajapati to enlighten all the students and the seminar was concluded by presenting mementos to both the speakers. Photographs of One day Energy Conservation Awareness Program Sponsored by GEDA, Gandhinagar on 28.07.2018 (Saturday)

Photographs of One day Energy Conservation Awareness Program Sponsored by GEDA, Gandhinagar on 28.07.2018 (Saturday)









<b>BVM Engineering College</b>		
<b>IE(I) Team[Student Chapter(Electrical)]</b>		
<b>Position</b>	<b>Team member</b>	
	<b>Sr no</b>	<b>Name</b>
<b>Chairman</b>		Prof. A.A. Sheikh
<b>Faculty advisor</b>		Prof. M. N. Sinha

### **LIST OF IEI MEMBER OF 2017-18**

<b>Sr no</b>	<b>NAME</b>	<b>BRANCH</b>
01	PRAGNA RATHHWA	ELECTRICAL
02	SRUSHTI PATEL	ELECTRICAL
03	DHRUVANSHU PAREKH	ELECTRICAL
04	MOBINKHAN BHATTI	ELECTRICAL
05	ANURAG ABHYANKAR	ELECTRICAL
06	ROHIT KUKADIYA	ELECTRICAL
07	VINAY PATEL	ELECTRICAL
08	RUTVIK AADNANI	ELECTRICAL
09	SAGAR MANGUKIYA	ELECTRICAL
10	DARSHAN PANCHAL	ELECTRICAL
11	VISHAL GOTHIWALA	ELECTRICAL
12	RUSHABH PARMAR	ELECTRICAL
13	AJIT SETHI	ELECTRICAL
14	NIRAJ TIWARI	ELECTRICAL
15	MOHIT DEVPURA	ELECTRICAL
16	NEEL PATEL	ELECTRICAL
17	DURGESH CHAVDA	ELECTRICAL
18	MITUL PARMAR	ELECTRICAL
19	AXAY BHESANIYA	ELECTRICAL
20	MAHARSHI SHAH	ELECTRICAL
21	KENIL BHRAMBHATT	ELECTRICAL
22	VRUNDA PARSANIYA	ELECTRICAL
23	NIYATEE SMART	ELECTRICAL
24	NIDHI CHANDVANI	ELECTRICAL

25	PRATIK SOLANKI	ELECTRICAL
26	LOVLESH ROY	ELECTRICAL
27	CHINTAN PARMAR	ELECTRICAL
28	YASH CHAUDHARI	ELECTRICAL
29	SHIAM MAKANI	ELECTRICAL
30	YUG SHARMA	ELECTRICAL
31	VISHAL JETHAVANI	ELECTRICAL
32	PRATIK ANTALA	ELECTRICAL
33	GOPALJI KALOJIYA	ELECTRICAL
34	RAVI HOTHI	ELECTRICAL
35	YASH ANDIPARA	ELECTRICAL
36	HARSHAL PATEL	ELECTRICAL
37	VIRAJ DHIMMAR	ELECTRICAL
38	SAHIL SAIYAD	ELECTRICAL
39	PINAL GOHIL	ELECTRICAL
40	MIT CHHATROLA	ELECTRICAL
41	PANKAJ CHAURASIYA	ELECTRICAL

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