



**Birla Vishvakarma Mahavidyalaya (BVM)**

**Engineering College**

**(An Autonomous Institution)**

**IE(I) STUDENT'S CHAPTER**

**ELCTRONCS DEPARTMENT**

**Student Activities Report**

**Academic Year 2016-17**

**Report of Student Activities for the academic year 2016-17**

<b>Title of the Activity</b>	<b>Coordinator</b>	<b>Resource Person</b>	<b>Date</b>	<b>Targeted audience</b>	<b>No of Students</b>
Inaugural of IE(I)	Dr. J. M. Rathod and Prof. P. H. Panchal	Nil	3/8/17	1,2,3,4 year	80
Genesis	Student body	IE(I) student coordinators	8/9/17 & 9/9/17	All years	100
Career guidance programme	Dr. J. M. Rathod and Prof. P. H. Panchal	Mr. John	14/9/17	3 & 4 year	60
Arduino workshop	IE(I) student coordinators	Arth Shah and Soham Acharya	23/9/17	2 year	30
IOT	Dr. D. L. Vala	Mr. Bhaskar Trivedi	20/1/2018	All years	80
Introduction to VHDL	Student body	Prof. Anita Bhatt	4 days	3 year(electronics)	15
Visit to Rhino Machines Ltd.	Dr D. L. Vala, Prof. P. H. Panchal	Mr. Manish Kothari	5/2/2018 1 day	2 & 3 year EL students	19

## **(1) INAUGURAL OF IE(I) STUDENT'S CHAPTER**

**3rd August, 2017** saw the inauguration of the **Institute of Engineers (India) students chapter for the Electronics branch** in Birla Vishvakarma MahaVidhalaya . A previously active chapter the initiative to revive it was headed by Prof. Dr.J.M. Rathod Sir. The event was organized in the LRUC hall, BVM and was attended by our respected HOD Dr.T.D Pawar , Dr. D.M Patel , and the faculty members including Prof. Parul Panchal, Dr.D.L. Vala , Prof. Neeraj Ada. The event spanned a brief two hours from **9am to 11am**, during which the following proceedings took place.

- Dr. J.M. Rathod sir gave a glimpse on the modus operandi of the IE (I) , its brief history and its future objectives .
- Dr. T.D. Pawar congratulated the revamped committee and enlightened the audience on how this step would prove as a mean to realize the mission and vision of our institution.
- The prize distribution ceremony was followed later wherein students who attended the various technical events and seminars organized as a part of the IEI were felicitated.
- Dr .I.N Patel (principal) then formally declared the IE(I) **ELECTRONICS STUDENTS' CHAPTER** open.
- A question–answer session was conducted to interact with the members of IE(I) to know there expectations and queries.
- Finally the ceremony was concluded with a vote of thanks by Prof . P.H . Panchal .

The inaugural ceremony ended with refreshments for all. Successful inauguration thus commenced, the IEI family now

looks forward to enthusiastic participations and exceptional achievements in all its future ventures.

### **GLIMPSES OF CEREMONY:**







## **(2) CAREER GUIDANCE WORKSHOP:**

The **OUTSHINE ACADEMY** organized a career guidance programme under the IE(I) Students' Chapter Electronics on **14-9-2017** in the LRUC hall ,BVM for 2<sup>nd</sup> ,3<sup>rd</sup> and 4<sup>th</sup> year students of Electronics department . The seminar started at **6pm**. The speaker was **Mr. John** who is the co-owner of outshine academy and pursued BCOM ,MSW ,MPhil and PhD in socio-psychology enlightened the audience about various exams like IELTS,GRE,CMAT ,etc. and on why today even local companies place preference to IELTS qualified applicants . Then it was followed by the question-answer session where students participated enthusiastically and cleared their doubts . Feedback forms were distributed and the seminar was concluded by a vote of thanks at 7:15pm.

### **GLIMPSES OF WORKSHOP:**







### (3) **GENESIS:**

**Genesis 2017** was a one-of-its-kind tech event exclusively for BVMites which saw the united organisation of all the student tech associations of BVM . Held for a brief span of 2 days -**8/9/17 and 9/9/17**, following were the main events conducted:

#### **1. Decipher**

To make students aware of the features, properties and usage of the given term ,component, and implementation on breadboard.

#### **2. Best Student**

Consisted of Techno-aptitude Quiz, GD and PPT presentation ( technical ), where the communication skills, presentation skills, intrapersonal skills, resume building, technical knowledge etc were judged.

#### **3. Morse code**

Picture perception/missing component based quiz, Technical-Treasure Hunt was the main focus .Basic electronics concepts were tested.

#### **4. CRO Virtuoso**

Comprised of Input/ Output based panel games consisting of input/output waves with appropriate circuit diagram, reasoning based basic day to day life problems in electronics questions based on simple circuits, component description CRO/DMM implementation

#### **5. Paper Publish**



Basic information about Paper Presentation on the mentioned domain was the theme.

#### 6. **Intel Inside :**

A quiz on the various components present under the hood of the common things we use and identification of various circuit boards.

#### 7. **Never Settle**

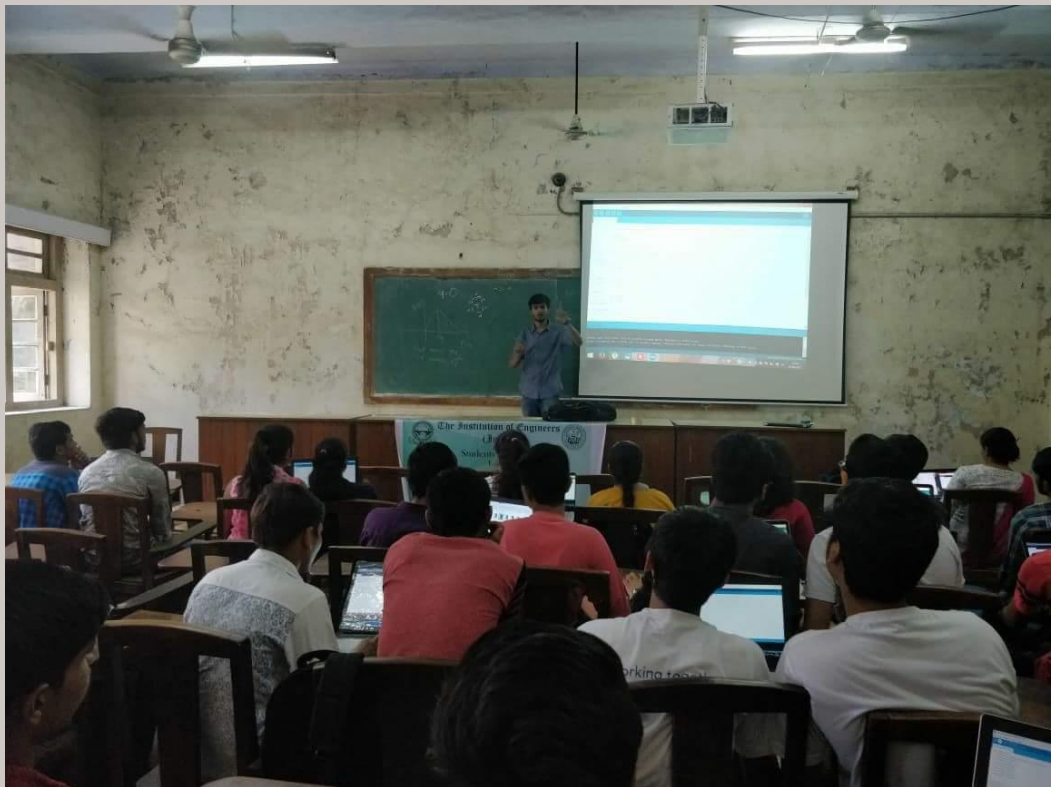
Information on Hardware & Software related to Smartphones Participants were given component sheet with prices and constraints of use and designing the best device under allotted budget.

### (4) **ARDUINO WORKSHOP**

Arduino workshop was conducted on **23-9-17** , 9 to 11 am for the second year students by the student chapter of IEI electronics.15 teams participated in the workshop. It was conducted by **Arth shah** and **Soham Acharya** who briefed the students on what arduino programming is and its span in the field of electronics.

Instructions were meted out on how it has applications that included IR sensors, Seven Segment decoders, PID controllers and many more. Thus having a wide expanse in real life applications, the workshop hopefully helped in meting out appropriate information regarding the coding part and implementation as well, in turn invoking positive interest for the subject among the students.





### **(5) IOT Applications in Smart Cars and Smart Health Monitoring**

Computer and Electronics Engineering Departments, jointly organized an expert on "IOT Applications in Smart Cars and Smart Health Monitoring", at LRUC hall, BVM Library, on **Saturday, 20/1/2018**, during **11.30 AM to 1.00 PM**, with an industry expert Mr. Bhaskar Trivedi from E-Infochips, as an Industry Institute Interaction activity under TEQIP-III. The Information Technology, Electronics and Communication departments also participated at organizing the program, under the banners and academic partnership of

- 1. ISTE Chapter BVM**
- 2. ISTE Students' Chapter BVM**
- 3. I.E. (I) Electronics Engg. Students' Chapter**

- The lecture was inaugurated by the principal sir Dr. I N Patel BVM engineering college.
- The expert lecture was delivered by Mr. Bhaskar Trivedi and his team from E-infochips, Ahmedabad.
- Nearly 80 students participated from CP,EL,EC and IT departments. Many heads and faculty members from various departments were also present. Prof. S A Bakhru Computer Engineering department, Dr. Deepak Vala, Electronics Engineering Department, Prof. Chintan Mahant from IT and Prof. Hiren Patel from EC departments coordinated the program.







## (6) INTRODUCTION TO “VHDL”

**Introduction to VHDL** workshop was conducted for **4 days , 10-11 am** for the students of third year ELECTRONICS under the IE(I) electronics students' chapter under the guidance of **PROF. ANITA BHATT**. The workshop was for those students who opted power electronics as their optional subject . This workshop was attended by 15 students . The students were briefed about its application and hands on FPGA and its span in the field of electronics. The workshop ended after 4 days with certificates distribution and an question –answer session.

