

## VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY

Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

# John Bardeen Memorial

**DATE AND TIME:** 28<sup>TH</sup> May 2014, 10 AM – 2 PM

**PLACE:** Board Room, VBIT

**ATTENDEES:** 20

**AGENDA:** To celebrate the life and works of John Bardeen and have a small formal informative talk with the juniors and help them with IEEE

**ATTENDEES:**

<u>Attendees</u>
Vamsi Krishna J
Srujan
Sruthi W
Abhinav Mrudul
Akshita Gulati
Ashish Valvekar
Durga Bhavani
Madhuri Saritha
Manimanjusha
Baba Sai
Abhishek D

**PRESIDED OVER BY:** C.R.N Sarma, Sreekanth Kutur

### **FLOW CHART OF EVENTS:**

1. The first session was taken by Mr. John Benedict, a student of 4th ECE A and he spoke about the life and works of John Bardeen.
2. The next session was taken by Dr. C.R.N Sarma and he spoke about importance of young minds taking inspiration from great scientists.
3. The next on the agenda was a panel discussion about IEEE and its benefits. Akshita Gulati, John Benedict and Srujan and the moderator being Vamsi J Krishna.

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4. It was followed by a Q & A session, which involved the juniors posing the questions and getting them answered by the panel members.

### PHOTOGRAPHS:



**CONCLUSION :** The session was both informative and helpful for the juniors and an opportunity to all the attendees to remember a great scientist



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**REPORT ON FORMATION OF IEEE-VBIT SB CONSTITUTION-2014**

**Date:** 14<sup>th</sup> July 2014

**Timings:** 3:30PM-4:10PM

**Venue:** Vignana Bharathi Institute of Technology

**Members attended:** 25

The IEEE–VBIT Student Branch was inaugurated in December 2006 with a membership no. of 42 students, two faculty advisors and a branch counselor.

**Mission:**

- IEEE-VBIT SB aims at promoting technical awareness amongst its college students and help to cultivate the same interest in the other colleges.
- The Student Branch emphasizes on conducting activities which can develop the technical cognition of a student and also to foster leadership skills.

**Vision:**

- The IEEE-VBIT SB encourages the student members to focus on research and development.
- To promote the establishment of IEEE Student Branches in colleges that does not have an IEEE SB.
- Contribute to the society by adopting local school and involvement in charitable events

IEEE-VBIT Student Branch has an outstanding history. Since its inception the

## Formation of Constitution of IEEE VBIT SB 2014-15

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Student Branch has been setting its own milestone every year and has been performing to achieve it. The IEEE-VBIT SB begun with 42 student members but in the span of time it had spread its wings by forming the following societies and Affinity Group.

- 1) Computer Society (CS)
- 2) Communication Society (ComSoc)
- 3) Power& Energy Society (PES)
- 4) Women In Engineering Affinity Group (WIE)
- 5) Membership Development Committee

The Student Branch has won many awards like Outstanding Student Branch (Section Level), Vibrant Student Branch (Section Level), MGM Award, Richard E. Merwin and Darrel Chong Award. Not only the SB but also the student members of IEEE-VBIT SB have achieved and made themselves recognized at college and session level.

All these achievements of the student branch are a result of collective efforts of its dedicated executive committee members. As per the rules stipulated by IEEE for a student branch, the executive committee must be passed on to the successive batch of students every year. Before declaring the Constitution, the eligible candidates have to follow some certain procedure.

15<sup>th</sup> June 2014: Call for nominations

22<sup>nd</sup> June 2014: Deadline for nominations

14<sup>th</sup> July 2014: Declaration of constitution – 2014.

First the candidate nominates for the desired post and then through the selection process carried out by the Branch Counselor and the Constitution members of 2014 elects the Excom -2014 from the nominees in consideration to their achievements and their dedication towards their duties.

Hence there are 30 executive committee seats in the IEEE-VBIT SB that are filled up by the nominated candidates for the present Constitution of 2014.

The meeting was addressed with a listed faculty members and Faculty advisors by Ms. Mounika Molagara, the Chairperson of IEEE-VBIT SB for the year 2013-2014.



## Formation of Constitution of IEEE VBIT SB 2014-15

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The meeting commenced by an enlightening talk by Ms. Suneetha, Branch Counselor IEEE-VBIT SB mentioning about the importance of IEEE and responsibilities of IEEE members.

The session continued with a talk on experiences in IEEE by Mr C R N Sarma, the role of Excom members and guidelines to be followed by Mr J.S.N.Murthy, Principal and Mr. Jayant Kulkarni, Vice Principal.

The new Executive committee of IEEE-VBIT SB for year 2014-2015 was announced by Ms.Suneetha. The session ended with alumni sharing their advices with new excom members.

### **THE EXECUTIVE COMMITTEE OF IEEE-VBIT SB FOR YEAR 2014-2015**

#### **MAIN EXCOM**

<b>S.No</b>	<b>Name</b>	<b>Officer Position</b>
1.	B.Srujan	Chairperson
2.	K.Anupriya	Vice Chair
3.	Sharan	Secretary
4.	Chandramohan	Treasurer
5.	J.Vamsi Krishna	GINI & MDC

#### **IEEE Computer Society EXCOM**

<b>S.No</b>	<b>Name</b>	<b>Officer Position</b>
1.	P.Durga	Chairperson
2.	V.Aashish	Vice Chair
3.	G.Akshita	Secretary
4.	Baba Sai	Treasurer
5.	Rajat Dodle	CS Representative

**IEEE Power and Energy Society EXCOM**

<b>S.No</b>	<b>Name</b>	<b>Officer Position</b>
1.	Ajay Bharath Reddy	Chairperson
2.	Damodar D R	Vice Chair
3.	Sarvani	Secretary
4.	Vikram	Treasurer
5.	Uday	PES Representative

**IEEE Communications Society EXCOM**

<b>S.No</b>	<b>Name</b>	<b>Officer Position</b>
1.	Charishma Reddy	Chairperson
2.	John Benedict	Vice Chair
3.	Rama Krishna N	Secretary
4.	Srikar Phanikumar	Treasurer

**SB REPRESENTATIVES**

<b>S.No</b>	<b>Name</b>
1	Swathi Kanuganti
2	Rama Krishna N
3	John Benedict
4	Jivin C jose

# Report on STAR PROGRAM

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VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY  
Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

## Report on STAR PROGRAM

**THEME:** Session on Working model of a Proclainer, Sterling Engine and Magnetic Levitation.

**EVENT DATE:** 7<sup>th</sup> August, 2014.

**VENUE:** Vignana Bharathi Institute of Technology, Ghatkesar.

**ATTENDEES:** 9<sup>th</sup> and 10<sup>th</sup> Students of Jameelapet High School, Jameelapet.

**NO. OF STUDENTS PARTICIPATED : 60**

The main aim of the STUDENT AND TEACHER RESEARCH (STAR) program is providing rudimentary skills to the matriculation students and helping them in coping up with technology which enables them to work correspondingly once they are out of their shells.

During this session the members took the initiative to explain the students

What is Sterling Machine?

What are the parts involved in it?

How does Sterling Machine work?

What is Magnetic Levitation?

Basic Principles of Magnets.

Applications of Magnetic Levitation.

What is a Proclainer?

# Report on STAR PROGRAM

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Construction and Working of Proclainer.

Applications in day-to-day life.

All such explanations regarding the structures were illustrated by the members.

Students travelling from Jameelapet High School to the College



The session started by interacting with the Jameelapet High School students.

## Report on STAR PROGRAM

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## Report on STAR PROGRAM

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Volunteers started the session by explaining the students about magnetic levitation.



## Report on STAR PROGRAM

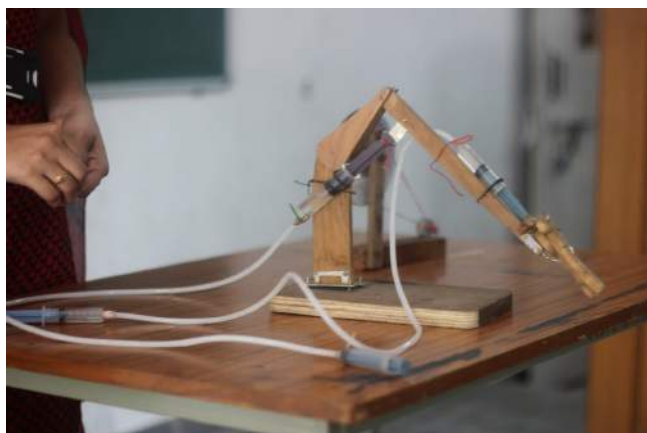
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Volunteers explaining about the working of Sterling Engine to the students.

## Report on STAR PROGRAM

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Volunteers explaining the students about proclainer.

## Report on STAR PROGRAM

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Students took part in the practical session and also interacted with the volunteers clarifying their doubts .



## Report on STAR PROGRAM



Students giving feedback about the event.

7/8/2014  
10th class  
Z.P.H.S. Jameelapur  
① కొనుక్కొన్నాంనాటికి 2 ప్రజలు (ఉత్తర)  
వెళ్ళినా చుట్టూ ఉన్న వారి వద్ద ఉన్నది. అంతే వద్ద  
లేదే. ముందు వద్దాని. పది వద్దాని నుంచూ  
ఉత్తర నుంచూ ఉన్నది.

② కుర్చీలో కూర్చుంటే. పది నాలుగు నుంచూ వచ్చింది. ఇంక  
అలాంటి, ఇలాంటి ఉన్న వాళ్ళూ ఉన్నారని అంటారు.  
అంతే అంతే వచ్చి ఉన్నాం. వారి వద్ద ఉన్నది.  
ఇంక ఉన్నది చూడండి. వాళ్ళు అంటారు ఉన్నాం అంటే  
నాకు అంతే నుంచూ వచ్చింది. అంతే అంతే ఉన్నది.  
వచ్చింది వచ్చింది.

③ అంతే. అంతే అంతే. అంతే. అంతే. అంతే. అంతే.  
4 నుంచూ ఉన్నాం అంటారు. And అంతే అంతే.  
అంతే. అంతే. అంతే. అంతే. అంతే. అంతే.  
అంతే. అంతే. అంతే. అంతే. అంతే. అంతే.



# Report on STAR PROGRAM

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## COORDINATORS:

Lavanya varthi

Tejasree

Krishna veena

Chaitanya

Shruthi.

## VOLUNTEERS

Durga Bhavani

# Report on STAR PROGRAM

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Akshita Gulati

Anushka

Vikram.

Lakshmi Praneetha

J.Manisha

Prathibha

Hima bindhu

Yashwanth

Vishnu

# Report on TEENOVISION'14

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VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY

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**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

## TEENOVISION'14 REPORT

### **Event details**

**Date:** 8<sup>th</sup> August, 2014.

**Venue:** Civil Auditorium, VBIT Campus.

**Timings:** 13:30-16:30 hrs.

**No of Participants:** 72

**Branch Counselor:** C.H.Suneetha

**Faculty Coordinator:** V. Jeetender

### **PES Execom**

V. Ajay Bharath Reddy- Chairperson.

D.R. Damodar- Vice Chair.

P. Sarvani- Secretary.

B. Vikram Chowdary.

K. Uday Kumar.

**IEEE-VBIT SB** under **Power and Energy Society** had taken up an innovative competition, consisting 27 working models from various branches.

## Report on TEENOVISION'14

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### EVENT DESCRIPTION:

Teenovision'14 event has been conducted on 8th August, 2014 by the students at Civil Auditorium, VBIT. Session was started with the introduction of the team by their team representative. Later all the 75 participants were made into 28 batches and for each batch two and others were patched up along with them. Before commencement of the event instructions and guide lines were given to them. The time limit is one hour, the given material was distributed among them, and duration was one hour 13:30-14:30 hrs.

This event displayed many working models related to various branches of engineering. Which gave vast information on various tools used in engineering designs and their working principle. This event created an awareness and vision on how the engineering designs can be made eco friendly? The prototype reflects their idea which they want to apply for the betterment of the mankind; it also improves their technical and imaginary skills. All the participants were ready with their working models and judging panel judged all the participants. Judging panel included respected judges;

- Research and Development Director
- Head of the Department - E.C.E
- Head of the Department – E.E.E

Event agenda	Timings
<b>Reception and registration</b>	11:30-12:30 hrs
<b>Commencement of event</b>	13:30hr
<b>Judges Inspection</b>	14:45hr
<b>Prize distribution and vote of thanks</b>	16:30hr

Working models include many innovative prototypes such as;

- Speed control of DC motor using microcontroller.
- Line detector.
- Solar power charge controller.



## Report on TEENOVISION'14

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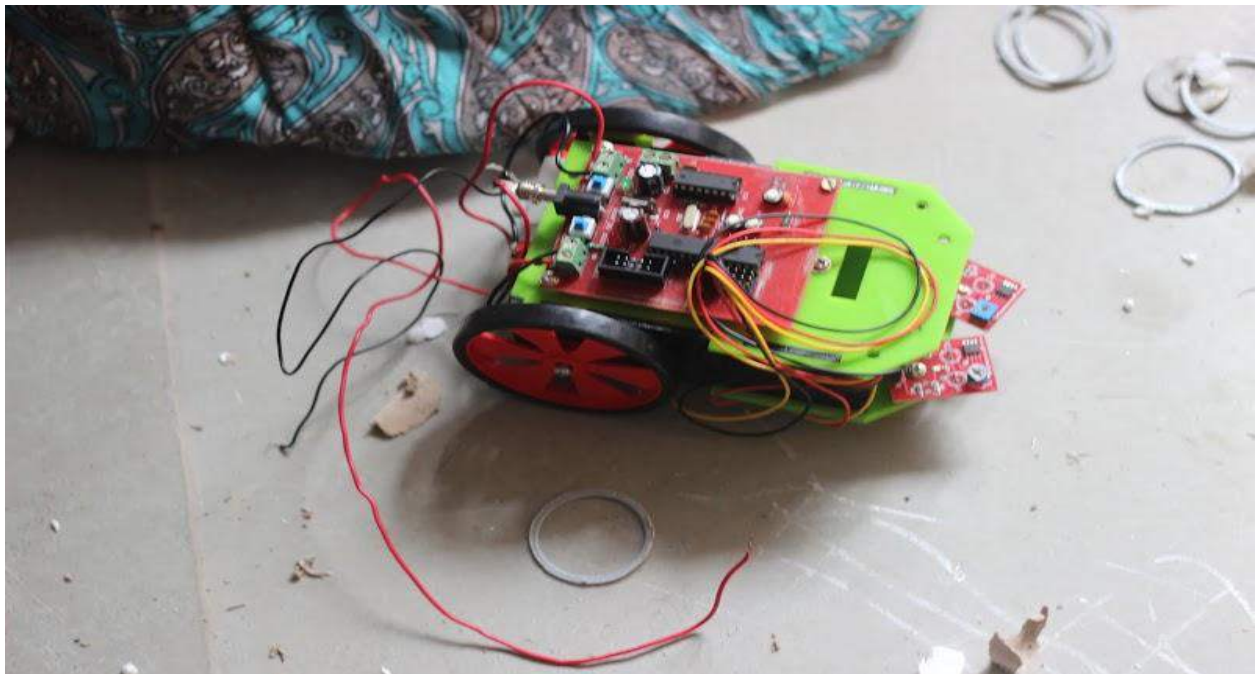
Speed control of DC motor using Micro controller-



(students displaying their model)

The main aim of this project is to control the speed of dc motor. The main advantage is using a dc motor is that the speed-torque relationship can be varied to almost any useful form.

Line detector- In general, we can use to transform to detect any curve.

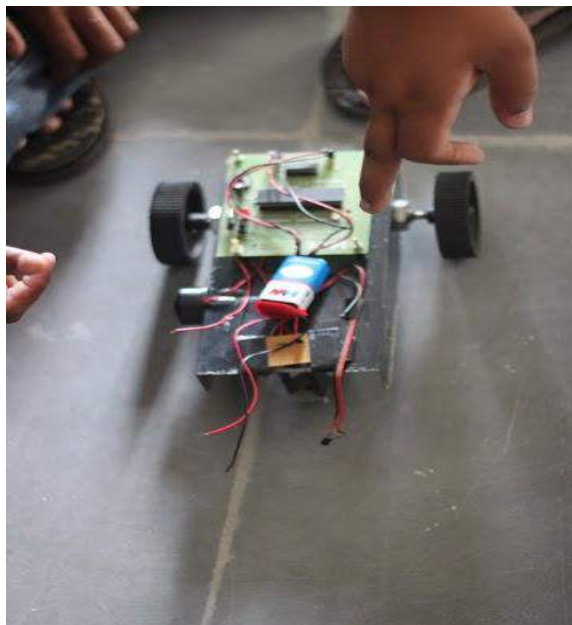






Student explaining regarding his project and expressing his best views on it to the judges. Students from various branches actively participated in the event. The working mechanism of the engineering designs was explained and active participation was involved with huge gathering. Projects on different working principles were thoroughly examined and applied such as:

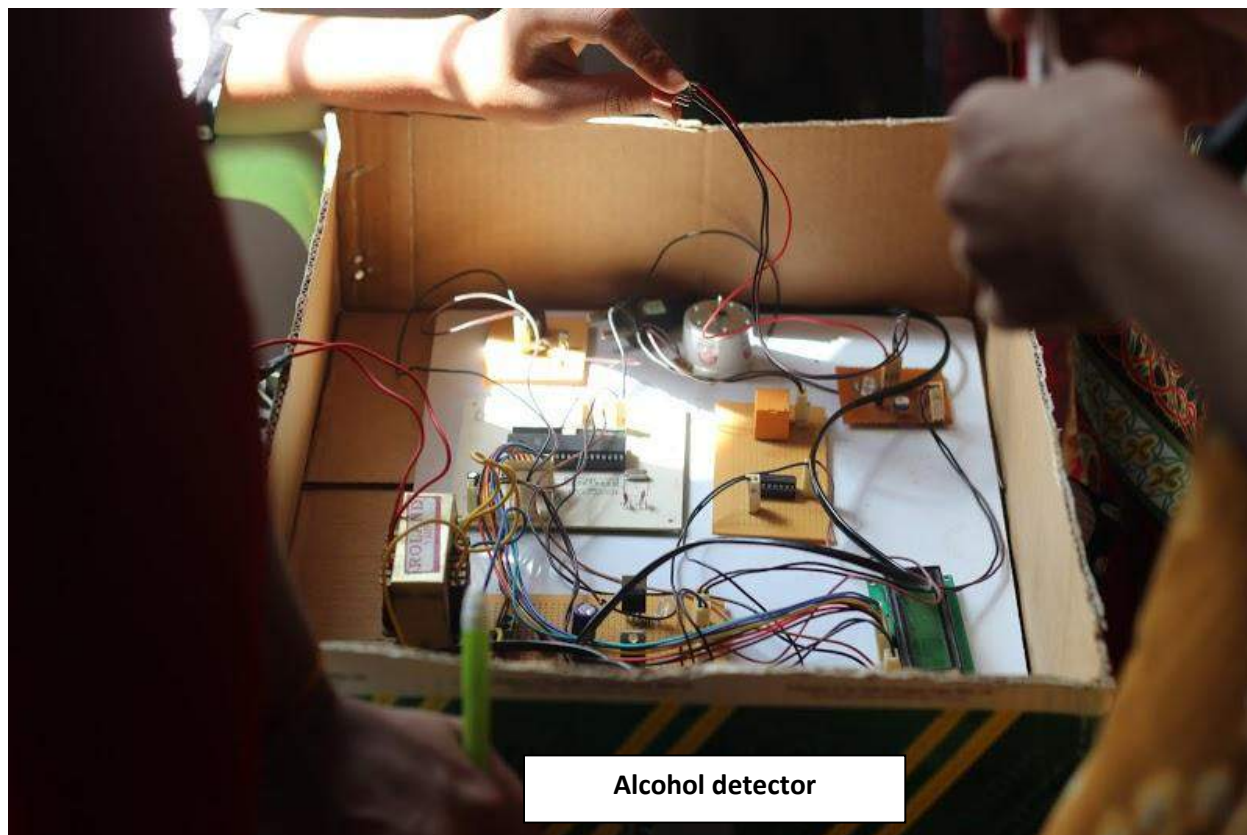
- Floating sub-station.
- Solar power charge controller.
- Hydroelectric power plant.
- Robotic arm.
- Proclainer.
- GPS tracker using IC.
- Fire alarm detector.
- Mechatronics.



**Fire Alarm Detector using micro controller.**



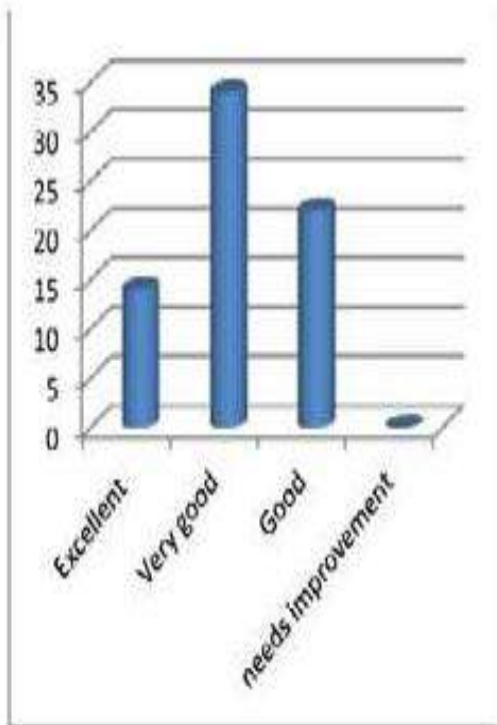
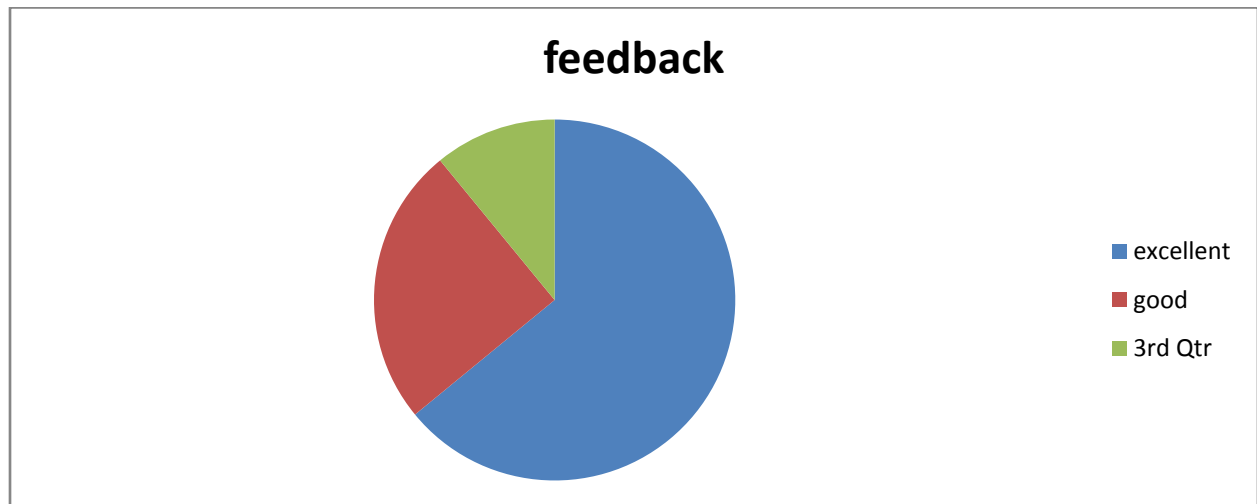
**Automatic street lights**



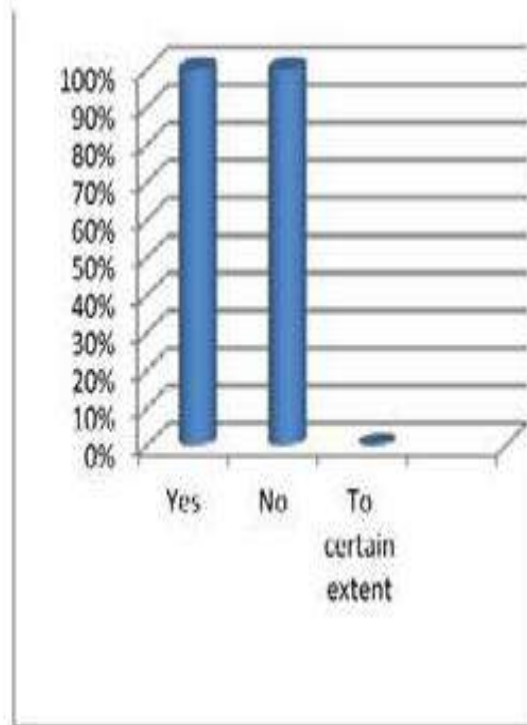
# Report on TEENOVISION'14

## Feedback statistics:

### Feedback by participants



Feedback on quality of the event



Feedback on expectation reached



## Report on TEENOVISION'14

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**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

### **REPORT ON STAR INNOVATOR, 2014**

IEEE - VBIT SB in collaboration with IEEE India Student Activities Committee in association with Lambda Edulabs has been invited in an expression of interest to host Star Innovator 2014, which is a combination of workshop, project internship and contest to be held from August to October 2014.

#### **EVENT DETAILS:**

**Theme:** With the onset of the advancements in technology and policy across the nation, it becomes irrefutably imperative to prepare the future generation of Engineers and Technologists, with the right set of knowledge and skills, to explore the various opportunities with innovation for a bright and environment-friendly future.

**Date:** 21<sup>st</sup> & 22<sup>nd</sup> August 2014.

**Venue:** Vignana Bharathi Institute of Technology Campus.

**Number of Participants:** 69 participants (concluded in 23 teams) from various colleges across Andhra Pradesh.

**Event Description:** Star Innovator is a contest on innovation, which is a combination of workshop, online project, internship and contest to be held from August to October 2014. Interested student members can register and participate in this one of its kind event which is organized at the pan India level.

**Vision:** Start Innovator is a premier contest to identify, encourage and develop student innovators of this country to solve the problems of today and tomorrow through

## STAR INNOVATOR

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innovative patents, products and solutions. The idea is to bring out the innovation from India for India. Additionally, the social benefit is increased exposure to practical hands on learning/training experience that will in turn help in developing employability skills and bringing out innovators and innovations.

**Contest Tracks:** *Robotics // Arduino // Solar // Android*

**How it works:** The contest involves workshop, online project, internship, zonal contest and national contest. The top two project teams of each track at zonal level will participate in the national contest. The selected top two project teams of each track in each level finals will receive the below mentioned recognition.

### **Award:**

For Each Track at National Level

**Winner-up Prize:** INR.1 Lakh + Certificate of appreciation

**Runner-up Prize:** INR.50000 + Certificate of appreciation

For Each Track at Zonal Level

**Winner-up Prize:** INR.10000 + Certificate of appreciation

**Runner-up Prize:** INR.5000 + Certificate of appreciation.

### **Details of the Trainers:**

*For Robotics & Arduino:*

Mr. Cholan

Senior Robotics Engineer,

I Make Robots | Geeky Technology & Consulting

Email: [cholan@imakerobots.com](mailto:cholan@imakerobots.com)

Mobile: +91 9994262431

*For Solar:*

Ms. Pavithran Krishnan

Trainer | Lambda Edulabs

Email: [sowmiyankrish92@gmail.com](mailto:sowmiyankrish92@gmail.com)

Mobile: +91 9941387966

# STAR INNOVATOR

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*For Android:*

Ms. Harika Kamsala

Lead - Android of Applabs Academy

Email: kamsalaharika@gmail.com

Mobile: +91 9789835683

## Banner:



## Photographs:



## STAR INNOVATOR

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# STAR INNOVATOR

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## Participants:



## Organizers with Participants:





### **WINNERS LIST:**

S. No.	Field	Winner Team
1.	Robotics	Geetika Singh V. Bhavya D. Sri Lalitha
2.	Solar	Akshat Jain Akanksha Joshi Meghana Kavali

## SECTION STUDENT CONGRESS-2014

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VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY

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### **REPORT ON SECTION STUDENT CONGRESS 2014**

#### **Event Details**

**Date:** 23<sup>rd</sup> and 24<sup>th</sup> August, 2014

**Timings:** 8:00 AM to 5:30 PM

**Venue:** Mekaster Auditorium, IETE Building, Osmania University Hyderabad.

**Excom Included:** IEEE Hyderabad Section.

**Number of Participants:** 14

**Branch Counselor:** Mrs.Ch.Suneetha

#### **Event Description:**

The Student congress as always is the ultimate platform event for engineering students to discuss, interact and gain bounteous knowledge of the exuberant technological world around. The congress is a well organized amalgam of technical talks, office bearers meet, brain storming sessions, training and networking sessions and everything that technical enthusiasts wait for all around the year.

SSC'14 offered the grand opportunity to witness the most eminent speakers of the field sharing knowledge with the young and aspiring minds all under one roof.

#### **DAY-1**

- The first session was taken up by Dr.B.L.Deekshatulu-The first Chairman of IEEE-Hyderabad Section, who gave us a talk regarding the "Role of an Engineer". He also enlightened us with his talk on Innovation and Globalization, and ended his session by giving us a few tips related to the role of an Entrepreneur in the present world.

## SECTION STUDENT CONGRESS-2014

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- The second session was by K.V.Dakshinamurthy-President INSOFE, who focused his session on Data Sciences. He started with a few examples such as the Segregation theory, and the use of a pacemaker, to help us understand the basic concepts of Data Sciences. He defined Data Sciences as an art of “Dancing with Data” .According to him, studying Data Sciences is a Hot as well as a Cool job. By the end of the session, he surely created hype in the audience as they were questioning him regarding the future of Data Sciences.
- The third session was by Dr.Kannan Rajagopalan, Sr Member IEEE, Rtd, GM, BHEL R & D his session was concentrated on “Time Management”. He gave us a detail idea about the 4 D’s in our life’s and also how to prioritize things according to their importance. He concentrated his session on how important it is to follow our plans and how can we benefitted from it.
- The next session was by Dr.Nikhila Naik-Couth InfoTech Private Limited; her session was on “Technical Paper Writing”. She started her session by telling us the importance of a Technical paper and about the laurels that come along with it. She enlightened us with her talk and made us promise that we will think about writing a technical paper in the near future.
- The last session of the day was by Dr.MGPL Narayana-Vice President & Chief Scientist Tata Consultancy Services, his session was on “Leadership Skills” .He gave us a brief on leadership qualities and also about the responsibilities that come along with them. He also put forth a concept named “Matrix of Situation and Approach”.

Alongside the last session, the Student branches participating in the Active SB Contest were asked to prepare for the Contest. After the preparation was done, the Innovative idea Contest by the Active SB’s started. One or Two members of the Excom committee were asked to pair up and give a presentation regarding all the events that had been done in their respective Student Branch from September 2013 to August 2014.The contest was judged and the results were evaluated.

### **DAY-2**

- The first session on the second day was by Mr.Raju Madhavan, a Facilitator for Leadership Skills he gave a session on “Adapting to the Changing World”. His session took us to the depths of the elements of change, and the people of the past and about the changes taking place since then. He introduced us to something called the “VUCA world” and the art of being flexible and adapting ourselves to the changes around us.

## SECTION STUDENT CONGRESS-2014

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- The second session was by Mr.Madhav Negi-Associate Director, Computer Sciences Corporation whose main focus was on the “Habits of Excellence”. His session was an interactive one where he asked us about our ideas and methods to bring a change in the world. He put forth the methods of how work can be done in the form of three steps ie.With people, Along people and By people
- The third session was by Mr.Ramesh Paturi-Enterprise Strategy Advisor at Microsoft India. His session dealt with the “Recent Trends in IT”. His focus was on the NON IT/CSE students, who have great interest in pursuing a career in the IT industry. He put forth many ideas that could help a Non IT/CSE student.
- The last session was by Ms.Sindhoora Mokshagundam-Analyst at Serco Global Services-Footprint India, Google Maps and Ms.Neelam Bhattacharya-.Their session was regarding the “Career opportunities after Graduation”. They asked our opinions as to what are our plans after graduation and they also shared their experiences with us.

Alongside the last session the “Upcoming SB contest” was held for the new emerging Student Branches, where they were asked to explain about the events that were held at their respective colleges.

The Section Student Congress ended up with a panel discussion and report presentation by Hyderabad Section SAC Chair Dr.Y.Vijayalata. The **Upcoming Student branch Award** was given to **Kakatiya College** as well as **Pulla Reddy College of Engineering**. The winner for **The Vibrant Student Branch** has not been disclosed yet.



### **Student Representatives from IEEE-VBIT SB who attended the congress are:**

1. Srujan.B
2. Anupriya.K
3. Lavanya Varthi
4. Ajay Bharath Reddy
5. Charishma Reddy
6. John Benedict
7. Rama Krishna N
8. Srikar Phanikumar
9. Jivin C Jose
10. Swathi K
11. Manohar
12. Tejasree Reddy
13. Chaitanya Gurla

## SECTION STUDENT CONGRESS-2014

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14. Sruthi Wuppuluri

15. Baba Sai

16. Mrudul Abhinav

17. Akshita Gulati

18. Manisha Joginpally

### Event Photographs:

**IEEE VBIT-SB Chairperson Srujan, giving details regarding IEEE VBIT-SB as well as about “Teenovision-14” in the Innovative idea’s Contest.**



**Stall put-up by IEEE-VBIT SB**





### **The IEEE VBIT-SB Team who attended the Section Student Congress**





**VIGNANA BHARATHI**  
Institute of Technology



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## **REPORT ON SCROLLBACK CAMPUS AMBASSADOR PROGRAMME**

### **EVENT DETAILS**

**TITLE:** Scrollback campus Ambassador Programme

**THEME:** Promotional event of ScrollBack

**DATE:** 23<sup>rd</sup> September, 2014

**VENUE:** Training & Placement Hall

**TIMINGS:** 11:00-13:00

**NO. OF PARTICIPANTS:** 60

**BRANCH COUNSELOR:** Mrs. Ch. Suneetha

### **ORGANIZERS:**

Lavanya Varthi

Tejasree Reddy

B. Krishna Veena

W. Sruthi

## Report on SCAP

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The program is basically a promotional event where the technical evangelist Ms. Priyanka took initiative to introduce the following topics to the audience:

- Introduction to ScrollBack and its Campus Ambassador Programme
- Introduction to Open Source
- Art of Community Building

The session started with a very interactive conversation between the students and the ScrollBack Community team member about the Open Source like Mozilla.



## Report on SCAP

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The programme was divided into two sessions which lasted for about 2 hours 15 minutes in which the technical, community building and leadership aspects were discussed.



Participants received the speaker with great enthusiasm and the young minds undoubtedly expressed their views to the questionnaire with great fervor.



## Report on SCAP

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### VOLUNTEERS:

- Srujan
- Vamsi
- Nadeem





## VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY

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**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

### **REPORT ON STAR INNOVATOR, 2014**

IEEE - VBIT SB in collaboration with IEEE India Student Activities Committee in association with Lambda Edulabs has been invited in an expression of interest to host Star Innovator 2014, which is a combination of workshop, project internship and contest to be held from August to October 2014.

#### **EVENT DETAILS:**

**Theme:** With the onset of the advancements in technology and policy across the nation, it becomes irrefutably imperative to prepare the future generation of Engineers and Technologists, with the right set of knowledge and skills, to explore the various opportunities with innovation for a bright and environment-friendly future.

**Date:** 21<sup>st</sup> & 22<sup>nd</sup> August 2014.

**Venue:** Vignana Bharathi Institute of Technology Campus.

**Number of Participants:** 69 participants (concluded in 23 teams) from various colleges across Andhra Pradesh.

**Event Description:** Star Innovator is a contest on innovation, which is a combination of workshop, online project, internship and contest to be held from August to October 2014. Interested student members can register and participate in this one of its kind event which is organized at the pan India level.

**Vision:** Start Innovator is a premier contest to identify, encourage and develop student innovators of this country to solve the problems of today and tomorrow through

## STAR INNOVATOR

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innovative patents, products and solutions. The idea is to bring out the innovation from India for India. Additionally, the social benefit is increased exposure to practical hands on learning/training experience that will in turn help in developing employability skills and bringing out innovators and innovations.

**Contest Tracks:** *Robotics // Arduino // Solar // Android*

**How it works:** The contest involves workshop, online project, internship, zonal contest and national contest. The top two project teams of each track at zonal level will participate in the national contest. The selected top two project teams of each track in each level finals will receive the below mentioned recognition.

### **Award:**

For Each Track at National Level

**Winner-up Prize:** INR.1 Lakh + Certificate of appreciation

**Runner-up Prize:** INR.50000 + Certificate of appreciation

For Each Track at Zonal Level

**Winner-up Prize:** INR.10000 + Certificate of appreciation

**Runner-up Prize:** INR.5000 + Certificate of appreciation.

### **Details of the Trainers:**

*For Robotics & Arduino:*

Mr. Cholan

Senior Robotics Engineer,

I Make Robots | Geeky Technology & Consulting

Email: [cholan@imakerobots.com](mailto:cholan@imakerobots.com)

Mobile: +91 9994262431

*For Solar:*

Ms. Pavithran Krishnan

Trainer | Lambda Edulabs

Email: [sowmiyankrish92@gmail.com](mailto:sowmiyankrish92@gmail.com)

Mobile: +91 9941387966

# STAR INNOVATOR

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*For Android:*

Ms. Harika Kamsala

Lead - Android of Applabs Academy

Email: kamsalaharika@gmail.com

Mobile: +91 9789835683

## Banner:



## Photographs:





## STAR INNOVATOR

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# STAR INNOVATOR

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## Participants:



## Organizers with Participants:



### **WINNERS LIST:**

<b>S. No.</b>	<b>Field</b>	<b>Winner Team</b>
1.	Robotics	Geetika Singh V. Bhavya D. Sri Lalitha
2.	Solar	Akshat Jain Akanksha Joshi Meghana Kavali

## ELOQUENCE

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**VIGNANA BHARATHI**  
Institute of Technology



**VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY**  
Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

### REPORT ON ELOQUENCE

#### **EVENT DETAILS:**

**TITLE:** ELOQUENCE

**THEME:** The event mainly concentrates on the most common persisting subject in the society 'WOMEN EMPOWERMENT.'

**DATE:** 29<sup>th</sup> October, 2014.

**VENUE:** Training & Placement Hall.

**TIMINGS:** 2:00 pm - 4:10 pm.

**NO. OF PARTICIPANTS:** 33

**BRANCH COUNSELOR:** Mrs. Ch. Suneetha

**FACULTY CO- ORDINATOR:** Mrs. N. Yamini Devi



## ELOQUENCE

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### ORGANIZERS:

Lavanya Varthi

Tejasree Reddy

B. Krishna Veena

Chaitanya Gurla

W. Sruthi

The Event is organized to bring advancement in women by giving them a chance to showcase their abilities in communication skills. 'Eloquence' is initiated to bring out the ideas and thoughts of girls on the status of women in the present day's situation. The event was conducted in two sessions.



## ELOQUENCE

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### SESSION 1: Group Discussion.

This session was conducted to a total of 4 teams, consisting of 8 participants each. The duration given for Group discussion was 10 minutes.

#### EXAMPLES:

- 33% Reservation for women is justified or not.
- Impact of western culture on Indian society.
- Misusing of laws which are made to protect Indian women.
- Challenges faced by women entrepreneur.

The groups were given preparation time of 2 minutes, discussion time of 6 minutes and then conclude it in 2 minutes.





## ELOQUENCE

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## ELOQUENCE

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### SESSION 2: JAM – ‘Just a Minute

In this session, participants were given various topics regarding women and were asked to speak for a minute on that particular topic. The organizers have chosen over 40 topics for the participants to motivate them and have enough knowledge about the ongoing topics in society.

#### EXAMPLES:

- Women rights
- Education
- Pen is a good weapon
- Believe in yourself
- Favourite animal
- Road side eateries
- Women entrepreneurship





## ELOQUENCE

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Participants were being judged on their communication skills, spontaneity and well framed points.

### **JUDGES:**

Mrs. A. Ashwini

Mrs. Geetha

### **WINNERS OF ELOQUENCE:**

### **GROUP DISCUSSION:**

- Winner - Sarah, VBIT, Ghatkesar.

## ELOQUENCE

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### **RUNNER UPS:**

- 1<sup>st</sup> place-Ushasree and Subhiksha, VBIT, Ghatkesar.
- 2<sup>nd</sup> place-Sahithi and Swati, VBIT, Ghatkesar.
- 3<sup>rd</sup> place-Ashwitha, VBIT, Ghatkesar

### **JAM:**

- Winner-Sahithi, VBIT, Ghatkesar

### **RUNNER UPS:**

- 1<sup>st</sup> place-Uma and Sonia, VBIT, Ghatkesar.
- 2<sup>nd</sup> place-Manisha, VBIT, Ghatkesar.



Sarah, The winner of Group Discussion.

## ELOQUENCE

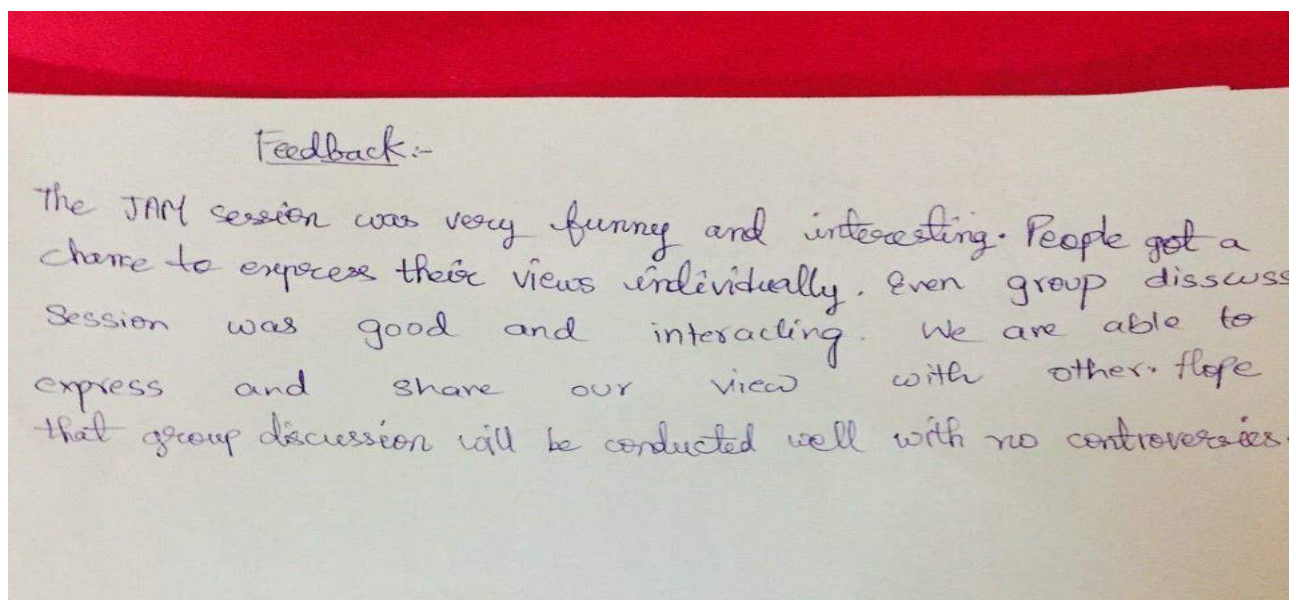
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Manisha, Runner up of JAM session.



### FEEDBACK:

Positive Response was obtained as it was a boost up to many participants to overcome their fears. WIE team was appreciated for their work and were asked to conduct many such events.





## ELOQUENCE

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It is an amazing experience and opportunity for all the II year students.

We always wanted to overcome the barriers of stage fear and nervousness, this session has made us get relieved from all these barriers and instill lot of confidence has been developed.

So it was a pleasure for us to take part.

Thanks to WIE for this rare opportunity.

## ELOQUENCE

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### **VOLUNTEERS:**

Anushka

## CIRCUIT DESIGNING COMPETITION

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**VIGNANA BHARATHI**  
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IEEE  
COMMUNICATIONS  
SOCIETY



**IEEE**

**VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY**

Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

### **REPORT ON CIRCUIT DESIGNING COMPETITION**

#### **EVENT DETAILS:**

**TITLE:** Circuit designing competition.

**THEME:** This event mainly concentrates on testing practicality of the students and enhance their skill set.

**DATE:** 1<sup>ST</sup> November, 2014.

#### **VENUE:**

- LAB-1 : LICA and PDC lab
- LAB -2 : EDC Lab -1
- LAB-3 : AC lab

**TIMINGS:** 11:00- 4:10 pm.

**NO. OF PARTICIPANTS:** 85

**BRANCH COUNSELOR:** Mrs. Ch. Suneetha

**FACULTY CO- ORDINATOR:** Mr.M Praveen Kumar

#### **ORGANIZERS:**



## **CIRCUIT DESIGNING COMPETITION**

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Charishma Reddy

John Benedict

Rama Krishna

Srikar

Jivin C Jose

### **Event Description:**

The Event was organized by Communications Society under IEEE VBIT-SB. The main agenda of this event was to test the practical knowledge of young engineers by giving them a chance to showcase their abilities. As Circuits play a major role for any engineer this event turned out to be a circuit mania. The engineers designed the circuits on their own. This event was conducted in 3 sessions.



## CIRCUIT DESIGNING COMPETITION

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### Session 1:

The 85 participants from EEE and ECE department were placed in the labs. Pencil and paper test was conducted for a time limit of 45 minutes. The test consists of basics of electrical and electronics.

Example Questions:

- Units of inductance-Henrys
- $10^{15}$ -peta
- Universal gates –NAND and NOR



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## CIRCUIT DESIGNING COMPETITION

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### Session 2:

This session was also of paper and pen test as it consisted of electrical circuits. Out of 85 participants 60 were short listed for this round and were asked to find the effective resistance of the given circuits. This was given so that it can be brain sharpening experience towards their circuits. This session was conducted for a time limit of 30 minutes



## CIRCUIT DESIGNING COMPETITION

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## CIRCUIT DESIGNING COMPETITION

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### Session 3:

This session was full of amaze as final participates were asked to design the circuit by their own. Only topics were given to them. Only 16 participants were screened to participate in the final round of circuit designing competition. This session was conducted for about 2 hours.

Examples:

- 2nd years – Transistor as a switch
- 3<sup>rd</sup> years - Water level indicator



## CIRCUIT DESIGNING COMPETITION

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## CIRCUIT DESIGNING COMPETITION

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### Winners of Circuit designing competition:

- 1<sup>ST</sup> Place 3<sup>rd</sup> years – T.Yasasvy  
K.Sunil Karthik  
Rama Saketh  
Vishwodhay
- 1<sup>ST</sup> Place 2<sup>nd</sup> years – E.Sravani  
K.Saptha phani  
S.Sandhya rani  
B.Nikitha
- 2<sup>ND</sup> Place 3<sup>rd</sup> years – K.Pavithra  
P.Sai divya  
V.Pushpavathi  
B.Sravani
- 2<sup>ND</sup> Place 2<sup>nd</sup> years – K.Sandeep  
A.Akhil reddy  
K.Dharani kumar  
B.Mahesh.

## CIRCUIT DESIGNING COMPETITION

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## CIRCUIT DESIGNING COMPETITION

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## CIRCUIT DESIGNING COMPETITION

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### Feedback:

The session ended on a great note as COMSOC OF IEEE VBIT SB received a huge response from the department of electronics and communications and also the participants.

FEED BACK

NAME: E. SRAVANI

ROLL NO: 13P61A04D1 BRANCH: ECE 'C'

FEEDBACK: Good event. Such events create zeal to  
learn new things. I had a nice experience taking  
part in COSMOC circuit mania

RATING: 10/10

FEED BACK

NAME: K. Sapthaphani

ROLL NO: 13P61A04B5 BRANCH: ECE-B

FEEDBACK: Yea very nice event, good coordination,  
helpful coordinators. Very nice experience participati  
in the event.

RATING: 9/10

### Volunteers:

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## **CIRCUIT DESIGNING COMPETITION**

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Nirmala  
Haritha  
Sruthi  
Nissitha

# Report of EKAYANA'14

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VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY

Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

## REPORT OF EKAYANA'14

### **Event Details:**

**Date:** 31<sup>st</sup> October, 2014.

**Venue:** Sadhana & Sumedha Halls, VBIT Campus.

**Timings:** 14:30hrs to 16:20hrs.

**No of Participants:** 42

**Branch Counselor:** Ch. Suneetha.

**Faculty Coordinator:** V. Jeetender.

### **PES Execom:**

V. Ajay Bharath Rddy

P. Sarvani

B. Vikram Chowdary

K. Uday Kumar



## Report of EKAYANA'14

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**IEEE VBIT-SB** under **Power and Energy Society** has taken up an innovative competition, consisting 42 participants from **EEE** department.

### **EVENT DESCRIPTION:**

**EKAYANA-Union of Tghoughts'14** event has been conducted on 31<sup>st</sup> October, 2014 by the students at IT Seminar halls, VBIT. Session was started with the introduction of the team by their team representative consisting 3 students per batch. Before commencement of the event instructions and guide lines were given to them. This event included displaying of Videos chosen from their respective subjects. The visual was played for 10 minutes and later the groups were given 15 minutes each and later were asked to give an explanation to the judges. This event created an awareness and vision on how the engineering designs can be enhanced with future applications. Judging panel included respected judges;

- V. Jeetender, Faculty EEE Department.
- Indra Rani, Faculty EEE Department.
- GopalKrishna, Faculty EEE Department.
- Santosh, Faculty EEE Department.

### **GALLERY:**





Video displaying working of DC machines for the 2<sup>nd</sup> year EEE students. The video consisted working principle, applications, working mechanism, necessity and its uses and its efficiency. The students were asked to explain the same to the judges as per the student's capability.



## Report of EKAYANA'14

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Video being displayed on AC machines for 3rd years, the video included working of the AC Motors and Generators, working principle, future applications and mechanism.

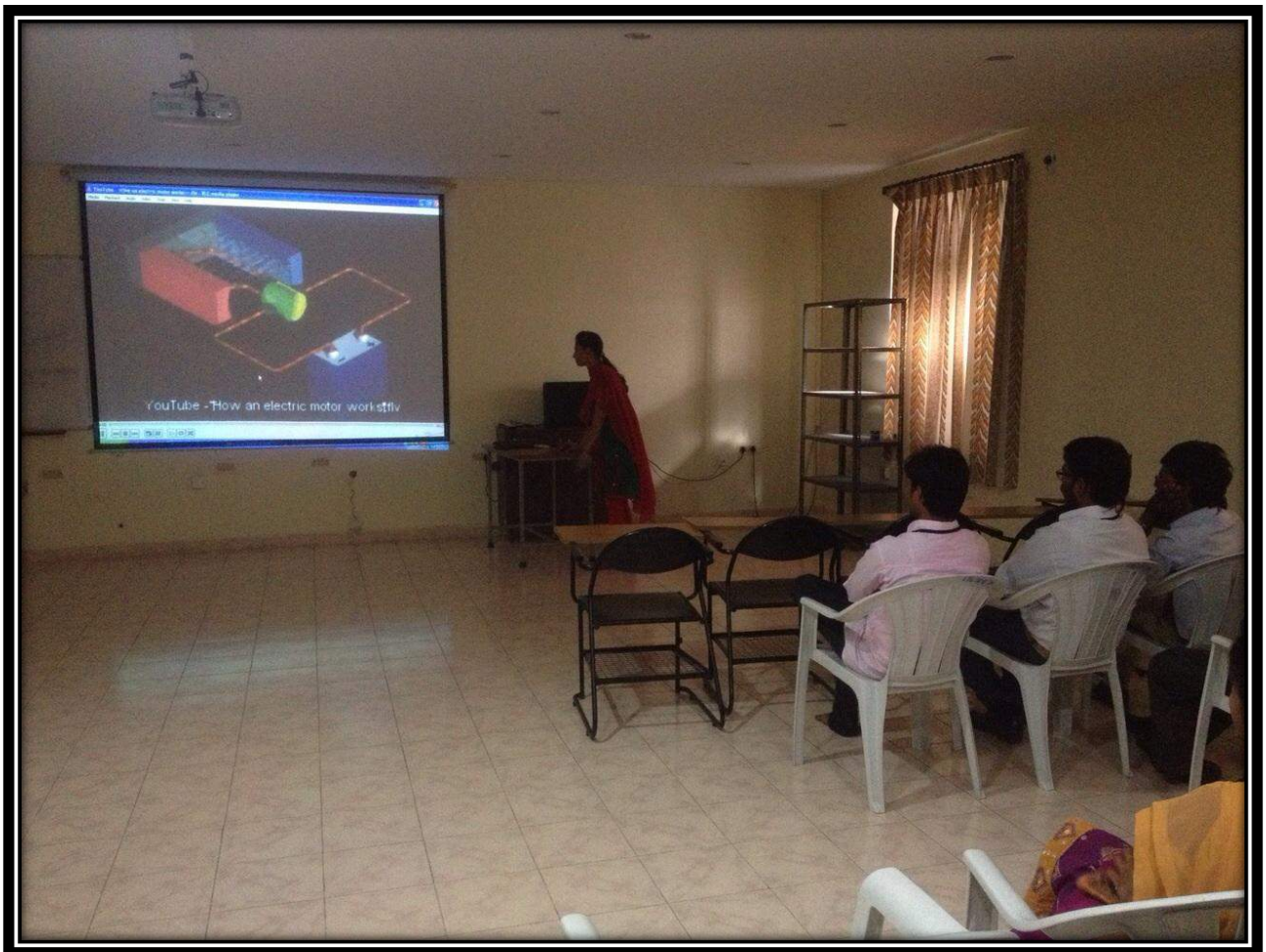


Students explaining the concept seen in the video to the judges. The students were judged based on their observation, interest towards the subject.



## Report of EKAYANA'14

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## VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY

Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

### REPORT ON CODEX

#### Event Details

**Date:** 30th October, 2014

**Timings:** 2:00 PM to 4:00 PM

**Venue:** Vignana Bharathi Institute of Technology.

**Number of Participants:** 76

**Branch Counselor:** Mrs.Ch.Suneetha

**Faculty Coordinator:** Mr.N.Venkateswara Rao

#### Event Description:

The Aim of the event was to help the students develop good technical skills related to the computing field. The concentration of the event was only on basic programming languages and their execution.

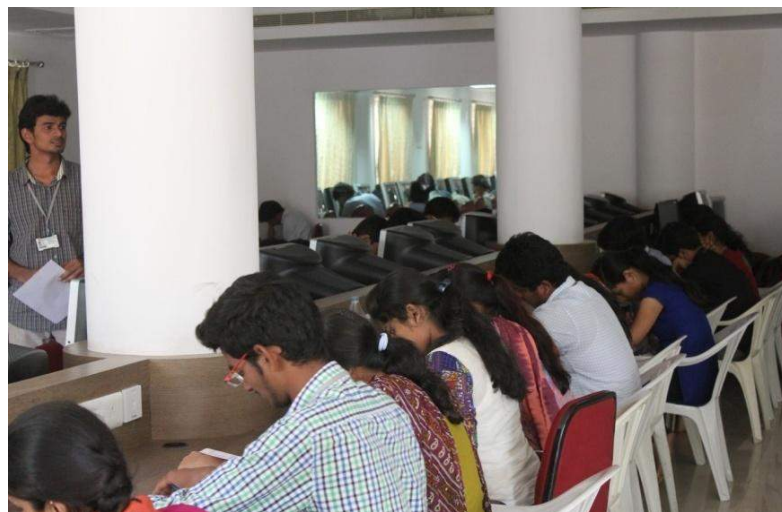
#### Event Schedule:

- The Event was a two round session.
- The first session was a written test where the participants had to solve a set of questions and choose or write the correct answers.
- After the completion of the first session, a selected number of participants were eliminated and the other participants proceeded to the next round.
- The second session was partially a practical session where the participants were given a task of finding errors in a given program or predicting the output for a given block of code. Throughout this event the participants were able to gather extra knowledge apart from what they knew earlier

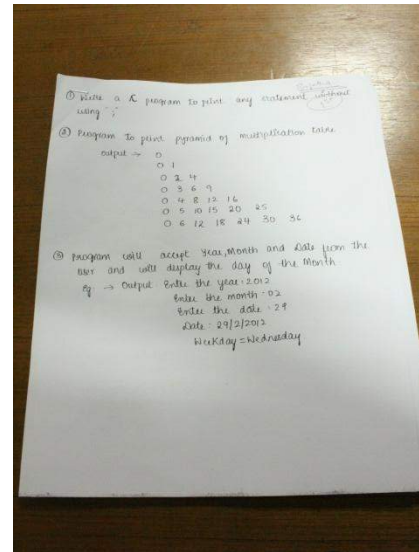
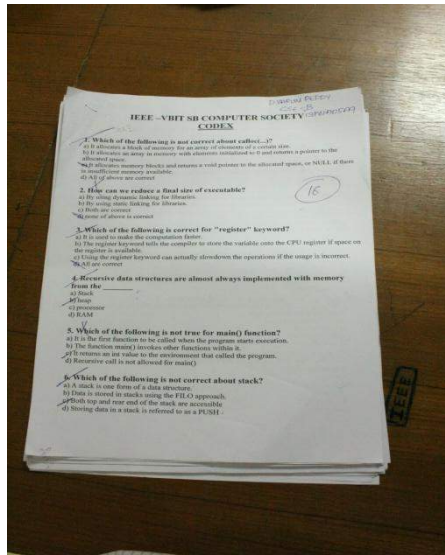


**Event Photographs:**





## Question Papers :



## Feedback Forms:

VIGNANA BHARATHI  
Institute of Technology

IEEE  
computer society

IEEE  
Advancing Technology  
for Humanity

**Feedback Form**

Name\*: Vaishnavi Pandal College\*: VBIT

Email ID\*: Vaish-Pandal95@gmail.com Contact: 9052427183

Year and Dept: 2<sup>nd</sup> & CSE-B'

Rate the event:  
1. Excellent 2. Good 3. Satisfied 4. Needs Improvement

Any Suggestions:

VIGNANA BHARATHI  
Institute of Technology

IEEE  
computer society

IEEE  
Advancing Technology  
for Humanity

**Feedback Form**

Name\*: Nikhil Sush College\*: VBIT

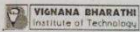
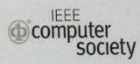

Email ID\*: Nikhilsushka@yahoo.com Contact: 900899406

Year and Dept: Third / IT

Rate the event:  
1. Excellent 2. Good 3. Satisfied 4. Needs Improvement

Any Suggestions:



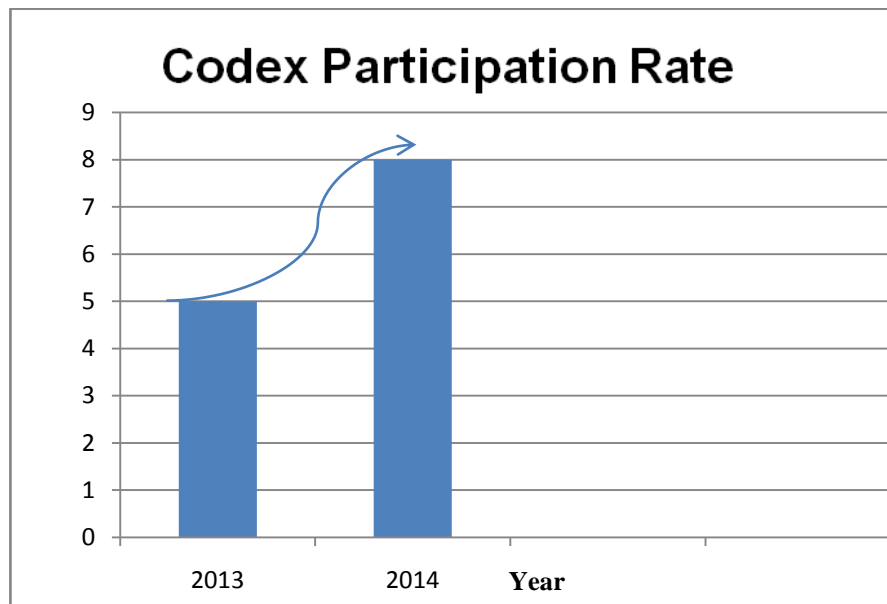
**Feedback Form**

Name\*: MICHAEL ARANTX College\*: VBIT  
Email ID\*: arantxm@gmail.com Contact: 80999 01352  
Year and Dept: II<sup>nd</sup> - IT

Rate the event:  
1. Excellent 2. Good 3. Satisfied 4. Needs Improvement

Any Suggestions: Adaptive exams like online exams or a quiz

## Graph:



## IEEE VBIT-SB CS-Codex Organizing Team along with the Winners



### **Organizers:**

Durga Bhavani

AashishValvekar

Akshita Gulati

Baba Sai

### **Volunteers:**

Sunanda

Avinash

Govardhan







**VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY**

**Aushapur (V), Ghatkesar (M), R.R. Dist-501 301**

**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

## **REPORT ON AVISHKAR 2K15, INTRA ROUND**

AVISHKAR is the unique paper presentation competition organized by the Student Branch of IEEE VBIT on technical subjects. Over the years AVISHKAR has grown to become the most successful and much awaited technical event of VBIT. The motto of AVISHKAR is to bring out the best amongst the students and allow them to shed all their inhibitions to present themselves in a professional paradigm. It is conducted exclusively for the first year B. Tech students to hone their skills and give wings to their ideas. The first round has been conducted on 24<sup>th</sup> January, 2015 in which 165 PPT's were showcased under 5 different categories. On the final day of the event the shortlisted participants went through the second bout of competition and the deserving winners were selected.

IEEE always caters the best opportunities to the students who have the zeal to better the world with the help of technology. IEEE VBIT SB has always stood out for fostering the better side of the individual by conducting various programs. AVISHKAR is not just about paper presentations but it also enhances a wide range of qualities in the students to raise their confidence levels and to improve the skills. Freshmen explore their technical talents and set their first step into the field of science and technology. AVISHKAR has won international accolades for successfully continuing the event for over six consecutive years and has also won the prestigious "Darrel Chong gold award" in the Asia Pacific R-10 region under IEEE.

### **EVENT DETAILS:**

- Date : 24<sup>th</sup> and 26<sup>th</sup> January, 2015
- Venue : Vignana Bharathi Institute of Technology
- Time : 10:00 AM - 4:00 PM
- Number of participants : 265 +
- Faculty Coordinator : Mrs. A. Ashwini
- Branch Counselor : Mrs. Ch. Suneetha

## **ORGANIZING TEAM:**

- *Marketing* : Sai Charan, Sonia, Shubham, Charitha.
- *Social Media Promotions* : Madhuri Saritha, Jacob Prashanth.
- *Documentation* : Abhishek, Pranathi, Sahithi Reddy.
- *Poster Designing* : Jithin Reddy, Avinash.
- *Hospitality* : Satya, Sowjanya, Madhusudhan, Kousalya.
- *Treasurer* : Govardhan
- *Web Designing* : Yashwanth, Rishikesh.

## **OVERVIEW:**

- AVISHKAR was introduced to the first year students on 11<sup>th</sup> January, 2015 via announcements in class rooms.
- The team received an overwhelming response from the first year students who exhibited their zeal and enthusiasm to take part in the competition while campaigning about the event.
- A good number of registrations were received.
- The team guided the participants on how to make an abstract and a Power Point presentation both offline as well as online.
- The deadlines for the submission of abstracts and Power Point presentations were 17th and 21st January, 2015 respectively.
- A total of 163 presentation were presented with a count of 265+ participants.

## **DAY 1: (24<sup>th</sup> January, 2015)**

- 165 presentations were presented on the first day of the event, 24 January, 2015.
- The presentations were divided into five streams based on their topics and were allotted with 7 different rooms.
- Each room's respective judges have scored them based on their performance and various parameters.

## AVISHKAR 2K15

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<b>S. No.</b>	<b>Stream</b>	<b>Number of papers presented</b>	<b>Room</b>
1.	Electronics and Communications	25	Chethana Auditorium
2	Automation and Power Systems	22	T & P Seminar Hall
3.	Miscellaneous	24	Sumedha
4.	General Science	21	Sadhana
5.	Cyber Science-1	24	Board Room
6.	Cyber Science-2	23	Prerana
7.	Cyber Science-3	21	Mechanical Hall

### **SCHEDULE:**

<b>10:00 AM - 10:40 AM</b>	Inauguration
<b>11:00 AM - 01:00 PM</b>	First session
<b>01:30 PM – 02:00 PM</b>	Lunch
<b>01:30 PM - 4:15 PM</b>	Second session



### **DAY 2:** (26<sup>th</sup> January, 2015)

### **SCHEDULE:**

<b>11:00 AM- 1:30 AM</b>	Finals
<b>1:30 AM- 02:00 AM</b>	Prize distribution

- The top 15 presentations were shortlisted for the final round.
- The papers of the shortlisted finalists were presented at Chethana Auditorium to top notch Judges on 26th January, 2015.
- Five best presentations were selected and prizes were distributed amongst them respectively.

### **GUEST OF HONOR:**

It was our honor to have the presence of Dr. N. V. Rao, IEEE Hyderabad Section Executive Member as Chairman Awards and Nominations Committee. He has been associated with IEEE Hyderabad section since 1981 and served the section as a volunteer in various capacities as Secretary, Treasurer, SAC Chairman, Chairman Nominations etc.

He not only sparked the event with his presence, but also acted as an active judge in the second i.e., the final round of AVISHKAR. He raised typical but logical queries to the competitors and made them think deep through their topic. IEEE-VBIT SB takes the pleasure to thank him for the great roles he played in conducting International and National events organized by IEEE Hyderabad section and for letting us know the essence of being a technical student.

### **JUDGES:**

- Dr. Bramha Reddy
- Mr. Srinivas
- Dr. P. Kousalya
- Mr. S. V. Ramana
- Dr. N. V. Rao
- Mr. N. Srinivas
- Dr. C. R. N. Sarma

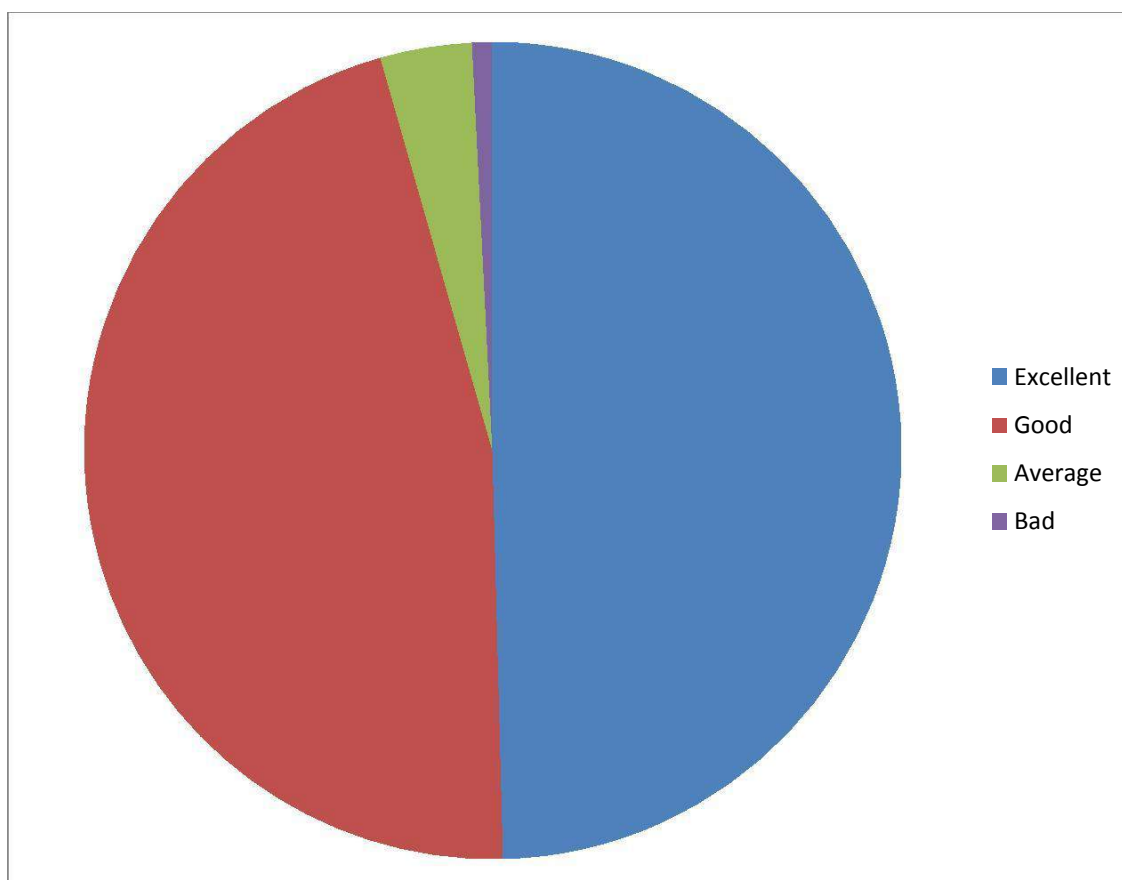
## AVISHKAR 2K15

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The winners of the Intra collegiate round are as follows:

<b>Prize</b>	<b>Winner</b>	<b>Branch&amp; Section</b>	<b>Topic</b>
First Prize	P. Sindhuja	CSE - C	ARTIFICIAL HEART
Second Prize	G. Sreenidhi	ECE - C	NANOBOTS &PILL CAMERA
Third Prize	Ananth Krishna  Anubhav Naidu	CSE - A	DEEP WEB
Fourth Prize	Surya Dhanush	EEE - B	PERPETUAL MOTION
Fifth Prize	Niteesha, Yamini	MECH - A	ATMOSPHERIC OPTICS

**EVENT FEEDBACK:**



EXCELLENT	51.7%
GOOD	47.9%
AVERAGE	3.75%
BAD	0.86%




**WINNERS RECEIVING PRIZES:**







## FEEDBACK FORMS:

**AVISHKAR 2K15**  **IEEE**

FEEDBACK FORM

It was great to have your presence today!  
It's FEEDBACK time now!

Name: J. Sushmitha Class-Section: ECE-D/1<sup>st</sup> year

1) Was the event helpful?  
YES: ☒ NO: ☐

2) Did the event reach your expectations?  
YES: ☒ NO: ☐


3) How much do you rate the event?  
EXCELLENT: ☒ GOOD: ☐ AVERAGE: ☐ BAD: ☐

4) How was your experience?  
Good

5) Rate the organizing team  
EXCELLENT: ☒ GOOD: ☐ AVERAGE: ☐ BAD: ☐

6) Any Suggestions?  
Everything is perfect. no Suggestion to give

AVISHKAR 2K15 is very helpful to express our view.

**AVISHKAR 2K15**  **IEEE**

FEEDBACK FORM

It was great to have your presence today!  
It's FEEDBACK time now!

Name: K. Prasad Class-Section: EEE-A

1) Was the event helpful?  
YES: ☒ NO: ☐


2) Did the event reach your expectations?  
YES: ☒ NO: ☐

3) How much do you rate the event?  
EXCELLENT: ☒ GOOD: ☐ AVERAGE: ☐ BAD: ☐

4) How was your experience?  
Its very good and we are able to know what we dont know

5) Rate the organizing team  
EXCELLENT: ☒ GOOD: ☐ AVERAGE: ☐ BAD: ☐

6) Any Suggestions?  
Like this more ppt's should be conducted to improve our knowledge and communication skills

**AVISHKAR 2K15**  **IEEE**

FEEDBACK FORM

It was great to have your presence today!  
It's FEEDBACK time now!

Name: R. Roshni S Class-Section: ECE-B NRI/1<sup>st</sup> CO

1) Was the event helpful?  
YES: ☒ NO: ☐


2) Did the event reach your expectations?  
YES: ☒ NO: ☐

3) How much do you rate the event?  
EXCELLENT: ☒ GOOD: ☐ AVERAGE: ☐ BAD: ☐

4) How was your experience?  
EXCELLENT

5) Rate the organizing team  
EXCELLENT: ☒ GOOD: ☐ AVERAGE: ☐ BAD: ☐

6) Any Suggestions?

**AVISHKAR 2K15**  **IEEE**

FEEDBACK FORM

It was great to have your presence today!  
It's FEEDBACK time now!

Name: N. Tejasvi Class-Section: ECE-D

1) Was the event helpful?  
YES: ☒ NO: ☐

2) Did the event reach your expectations?  
YES: ☒ NO: ☐

3) How much do you rate the event?  
EXCELLENT: ☒ GOOD: ☐ AVERAGE: ☐ BAD: ☐

4) How was your experience?  
It was great. This event erased the stage fear of many students especially me.

5) Rate the organizing team  
EXCELLENT: ☒ GOOD: ☐ AVERAGE: ☐ BAD: ☐

6) Any Suggestions?  
Good work done by organizing team.



### **REVIEW:**

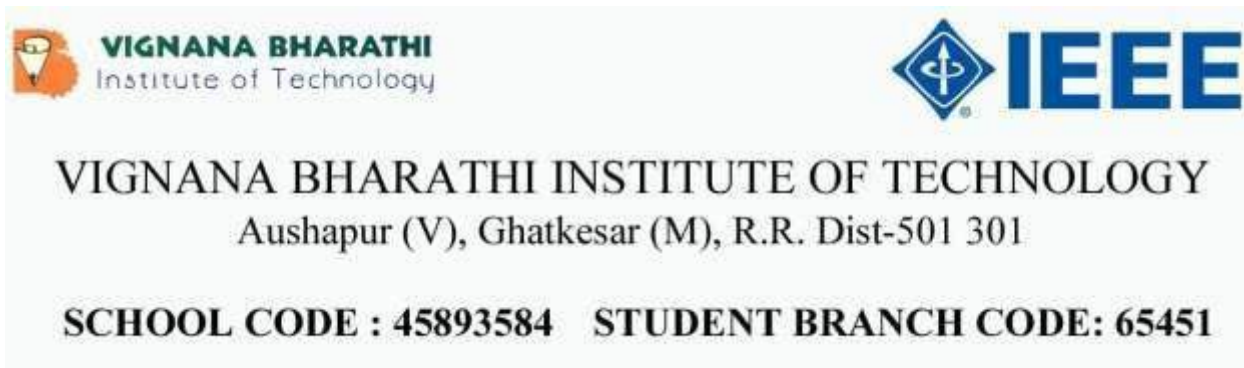
AVISHKAR - 2K15 turned out to be a great platform for the students to showcase their technical talents. As conducted especially for the first year B Tech students, it carved a path for all the fresh minds to come out of the shell, take a step forward, explore their talents and present it for a greater society. It also enhanced their communication and presentation skills, letting them overcome their hidden fear of confronting the crowd. It lets the students mark their first step into the professional field and helped in upbring their knowledge in Science and Technology. It also acted like an initiation to the students for their further progression and development.

### **BUDGET:**

The total budget allotted for the event by IEEE-VBIT Student Branch was INR 15,260/-

The total amount spent by the Avishkar'15 Team for the event was INR 11,928/-

The balance amount of INR 3332/- has been submitted to IEEE – VBIT SB.



## **REPORT ON JOHN BARDEEN MEMORIAL 2015.**

### **INTRODUCTION ABOUT JOHN BARDEEN:**

Humanity is indebted to John Bardeen, who is known to the world as the father of the transistor and BCS theory. John Bardeen was born on 23<sup>rd</sup> May, 1908 in Madison, Wisconsin, USA. He is a physicist, an electrical engineer and is the only person to have won the Nobel Prize twice in the field of Physics in the years 1956 and 1972. He is the inventor of the revolutionary transistor, which is the building block of electronic technology. He, along with his counterparts is also the inventor of the Theory of Superconductivity. John Bardeen has contributed vastly to humanity through his theories and inventions. January 30<sup>th</sup>, 1991 was a day of regret to the whole world as we lost the eminent personality.

### **EVENT DETAILS:**

IEEE - VBIT SB took immense pleasure in conducting a guest lecture on “Super Semiconductors and their Applications” by Dr. N. R. Munirathnam, Director of Centre for Materials for Electronics Technology [C-MET], Hyderabad in the remembrance of the great scientist John Bardeen on the date of his demise. The session was greatly informative and educative.

**Date** : 30<sup>th</sup> January, 2015.  
**Venue** : Chethana Auditorium, Vignana Bharathi Institute of Technology.  
**Timings** : 10:40 am – 1:10 pm.

### **ORGANIZERS:**

IEEE – VBIT SB.

### **BRANCH COUNSELLOR:**

Mrs. Ch. Suneetha.

### **DETAILS:**

1. John Bardeen Memorial is conducted every year by IEEE – VBIT SB in the memory of the great scientist.
2. The event was presided over by the dignitaries, Principal Dr. J. S. N. Murthy sir, our Director of Student Affairs, Dr. C. R. N. Sarma and our Branch Counselor.
3. A presentation on John Bardeen's life was delivered by Madhuri Saritha.
4. A lecture on “Super Semiconductors and their applications” was given by Dr. N. R. Munirathnam, director of C-MET (Centre for Materials for Electronics Technology).
5. The guest has been felicitated by Dr. C. R. N. Sarma with a token of appreciation.
6. An interactive session by Vamsi J Krishna on "It's all about How an Engineering Student Survives?" took place.

### **SCHEDULE:**

<b>10:40 AM – 10:50 AM</b>	Inauguration
<b>10:50 AM – 11:10 AM</b>	PPT on John Bardeen by Madhuri Saritha
<b>11:10 AM - 12:00 PM</b>	Lecture by Dr. N. R. Munirathnam
<b>12:00 PM – 01:10 PM</b>	Interactive Session
<b>01:10PM</b>	Session Ends.



**Pictures clicked during the event:**





### **GUEST OF HONOUR:**

It was our honor to have the presence of Dr. N. R. Munirathnam, Director of Centre for Materials for Electronics Technology (CMET), Hyderabad. Dr. N. R. Munirathnam has received his PhD in Physics from the University of Hyderabad in the year 1989. He has formerly worked as the Senior Executive at Usha Amorphous Ltd, Delhi and as a Research Associate at the University of Virginia. In 1991, he joined C-MET as a scientist. He has two patents and has published around fifty papers in peer-reviewed international Journals and has presented around seventy papers in various symposia. He is a fellow of the Andhra Pradesh Academy of Sciences and a life member of the Materials Research Society of India (MRSI). He sparked the event with his presence and delivered the students an excellent lecture with his vast knowledge. As a token of gratitude, a shield was presented to him by Dr. C R. N. Sarma, Director of Student Affairs.

### **REVIEW:**

The event was educative as well as amusing, from the informative lecture by Dr. N. R. Munirathnam to the interactive presentation by Vamsi J Krishna, the memorial conducted by IEEE – VBIT SB moved on with a good and smooth pace.



# REPORT ON FACTS AND FUNDAMENTALS OF TECHNOLOGY

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**VIGNANA BHARATHI**  
Institute of Technology



IEEE  
COMMUNICATIONS  
SOCIETY



**IEEE**

**VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY**  
Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

## **FACTS & FUNDAMENTALS OF TECHNOLOGY**

**Event details:** FFT

**Event date:** February 4<sup>th</sup>, 2015.

**Timings:** 3:00pm -4:30pm.

**Venue:** IT Seminar hall, Vbit, Ghatkesar.

**Number of participants:** 58

**Branch counsellor:** Mrs.Ch. Suneetha

**Faculty coordinator:** Mr. M.Praveen Kumar

**Organizers:**

P.Charishma Reddy

John Benedict

SrikarPhani

Jivin C Jose

**Topic:** Migration of corporate networks from IPv4 to IPv6

# REPORT ON FACTS AND FUNDAMENTALS OF TECHNOLOGY

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## EVENT DESCRIPTION:

- Facts and Fundamentals of technology was started in year 2014 by Mr.Lokesh Kumar and Mr.Prateek Abhyankar with a very few number of participants and this was taken as a pledge to follow this event every year. The current COMSOC team of IEEE VBIT –SB took the initiation of having FFT once again in the year 2015.
- Facts and Fundamentals of technology is a weekly event organized by Communication Society chapter of IEEE VBIT SB where in every week a session is organized where a student or a teacher share their knowledge on latest technologies and trends in science.
- This platform is provided to students who can share their love for technology and also pass on the knowledge to others.
- This time John Benedict from ECE department took the opportunity and he is working as a student Network Representative of IEEE Hyderabad Section and Member of IEEE India Sac.
- His main agenda of this session was to enlighten the students on the basics of internet and networking. Students from the ECE, IT and CSE department of 1st, 2nd and 3<sup>rd</sup> years attended the lecture enthusiastically.
- The lecture was mainly about IPv6. John Benedict first gave a basic introduction about internet and how the internet vastly developed and then he explained about binary language and about internet protocols and how the user will be able to access the internet with the help of IP address.
- He spoke about hacking and different website where the user can protect the IP address from getting hacked. Finally he discussed briefly on networks from IPv4 to IPv6 and described the advantages of the IPv6 and concluded the session with questionnaire.
- IPv6 is a very trending topic here in these Facts and Fundamentals of technology the main motto is to provide the information regarding latest technologies.
- Guidance of Charishma Reddy and John Benedict the event turned out to be successful as well as very informative.

# REPORT ON FACTS AND FUNDAMENTALS OF TECHNOLOGY

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## Event Pictures:

The session was taken by John Benedict starting off with “How Internet Actually Works”?.

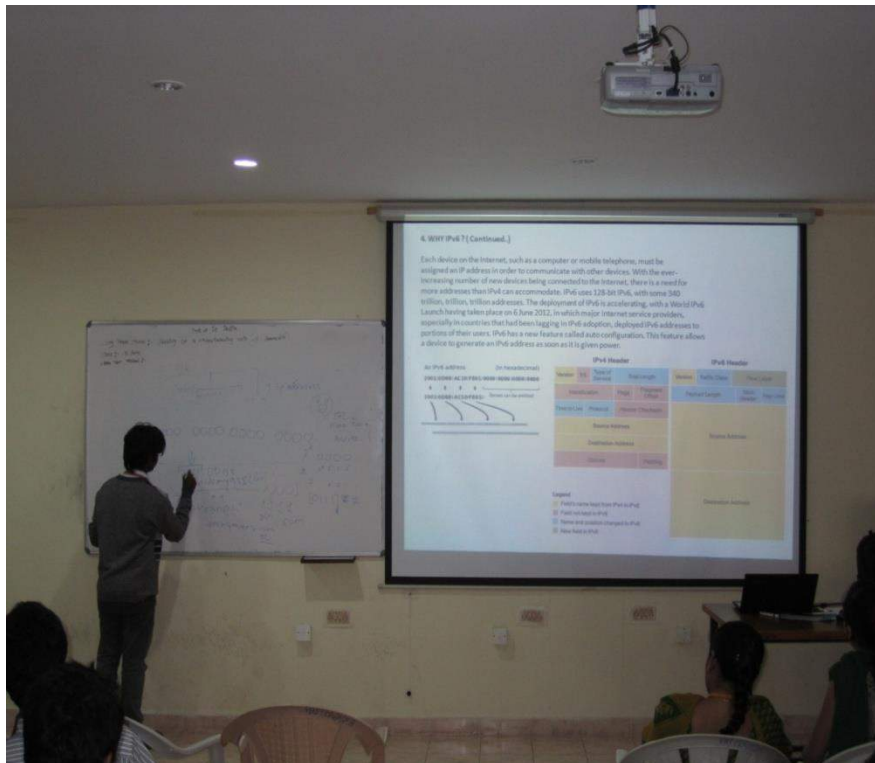
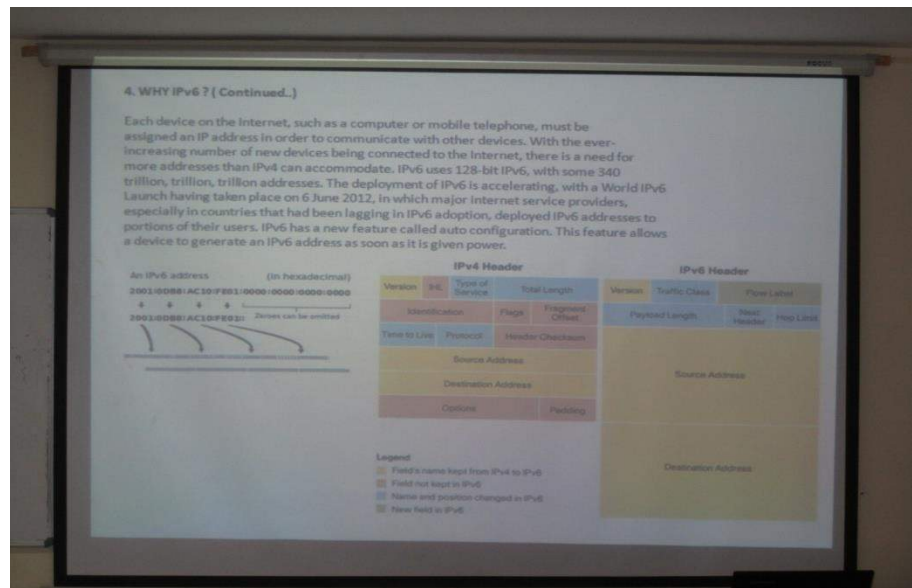


A presentation was shown to the participants where the entire Ipv6 technology was explained.





# REPORT ON FACTS AND FUNDAMENTALS OF TECHNOLOGY



The entire networking was explained by practical examples.

## REPORT ON FACTS AND FUNDAMENTALS OF TECHNOLOGY

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The participants paid constant attention towards the lecture and hence gained the knowledge



## REPORT ON FACTS AND FUNDAMENTALS OF TECHNOLOGY

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The session was Interactive as well as Informative.





## REPORT ON FACTS AND FUNDAMENTALS OF TECHNOLOGY

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### **Volunteers:**

Nissita

Haritha

Saketh

Rohan

# REPORT ON STAR PRORGAM

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VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY

Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE : 45893584 STUDENT BRANCH CODE: 65451**

## **REPORT ON STAR PROGRAM-2**

**THEME:** Sessions on Big Bang theory, Swine flu, Inspirational Women (Mary Kom)

**EVENT DATE:** 05<sup>th</sup> February, 2015

**VENUE:** Zilla Parishad high School, Peerzadiguda.

**NO. OF PARTICIPANTS:** 60

### **COORDINATORS:**

Lavanya Varthi

Tejasree Reddy

B. Krishna Veena

Chaitanya Gurla

W. Sruthi

### **VOLUNTEERS:**

Manohar

Sarvani

Jyothi

Samhitha

## REPORT ON STAR PRORGAM

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Pratibha

Sai Teja

Yashwanth

The main aim of the STUDENT AND TEACHER RESEARCH (STAR) Program is to give a brief insight about the general topics they are unaware of. The program started with an interaction between the volunteers and the students of 8<sup>th</sup> & 9<sup>th</sup> standards to ensure their active involvement during the session.

The following topics were covered by the second year volunteers, during the course of time.

- Big Bang theory
- Swine flu & its prevention
- Inspirational Women (Mary Kom)

All the three sessions were dealt by the second year WIE volunteers.





## **REPORT ON STAR PRORGAM**

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### **FIRST SESSION: BIG BANG THEORY**

The first session dealt with the Big Bang Theory in which the students were explained on how and by whom the theory has been initiated.



## **REPORT ON STAR PRORGAM**

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### **SECOND SESSION: SWINE FLU AWARENESS**

The second session dealt with Swine Flu, its causes & its prevention methods.





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## REPORT ON STAR PRORGAM

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### THIRD SESSION: INSPIRATIONAL WOMEN (MARY KOM)

The third session was on Mary Kom, her life, struggles and achievements.



**Students exhibited great enthusiasm interacting and answering to the volunteers.**





## REPORT ON STAR PRORGAM

V. Jyothi

ఈ రోజు క్లాస్ నాకు చాలా బాగా నచ్చింది. భూమి నిర్మాణం అది ఎలా ఏర్పడింది. అనే విషయం నాకు చాలా నచ్చింది. అలాగే స్ట్రాస్ట్రోగ్ల గురించి అది ఎలా వస్తుంది, దాని నిర్మాణం ఆసక్తికరం ఎలాగో తెలిసింది. ఇదర్న మూలక :- గ్రేలు అన్ని రంగాలలో ముందుంటుంది. దానిని ఇదర్నంగా అనుకుని మనం కూడా అన్ని రంగాలలో ముందు ఉండాలి.

Name : N. Nagesh

నేను ఈ రోజు నేను తెలియని విషయం నేను తెలుసుకున్నాను నా Big Bang నాకు చాలా నచ్చింది మరియు దైనిష్ రోజులు తెలుసుకున్నాను బెంగళు కు ఈ రోజు నేను నేర్చుకున్నాను మరియు ఈ విషయం నేను చెప్పబడుతుంది దురదృష్టవశాత్తూ

## REPORT ON STAR PRORGAM

నా పాఠం:- ముక్తం.

వారు గురిక వచ్చి మేకురు ఇవ్వమన్న  
చాట్ట నందుకు మేకు మే గురిక తరుపు నుంచి  
భగ్న వాధములు. మేకు ఇంతిక్షంలా తొలయిగా  
మేకుల్ని చూపట్టరుకాదు! ఇంకా పై నెట్లు గురిక  
చేపినందు కు భగ్న వాధములు ఇవ మేకు చేపిన  
మేకుల్ని.



Organizing committee & volunteers of WIE with the school of students





**VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY**

**Aushapur (V), Ghatkesar (M), R.R. Dist-501 301**

**SCHOOL CODE : 45893584 STUDENT BRANCH CODE: 65451**

## **REPORT ON AVISHKAR 2K15, INTER ROUND**

AVISHKAR is the unique paper presentation competition organized by the student branch of IEEE VBIT on technical subjects. Over the years AVISHKAR has grown to become the most successful and much awaited technical event of VBIT. The motto of AVISHKAR is to bring out the best amongst the students and allow them to shed all their inhibitions to present themselves in a professional paradigm. It is conducted exclusively for the first year B. Tech students to hone their skills and give wings to their ideas.

IEEE always caters the best opportunities to the students who have the zeal to better the world with the help of technology. IEEE VBIT SB has always stood out for fostering the better side of the individual by conducting various programs. AVISHKAR is not just about paper presentations but it also enhances a wide range of qualities in the students to raise their confidence levels and to improve the skills. Freshmen explore their technical talents and set their first step into the field of science and technology. AVISHKAR has won international accolades for successfully continuing the event for over 6 consecutive years and has also won the prestigious “Darrel Chong gold award” in the Asia Pacific R-10 region under IEEE.

### **EVENT DETAILS:**

- Date : 04<sup>th</sup> March, 2015
- Venue : Vignana Bharathi Institute of Technology
- Time : 10:00 AM- 4:00 PM
- Number of participants : 39
- Number of Teams : 29
- Faculty Coordinator : Mrs. A. Ashwini
- Branch Counselor : Mrs. Ch. Suneetha

The Avishkar 2k15 team was formed on 10<sup>th</sup> January, 2015. The team details are stated below.



## **ORGANIZING TEAM:**

- *Marketing* : Sai Charan, Sonia, Shubham, Charitha.
- *Social Media Promotions* : Madhuri Saritha, Jacob Prashanth.
- *Documentation* : Abhishek, Pranathi, Sahithi Reddy.
- *Poster Designing* : Jithin Reddy, Avinash.
- *Hospitality* : Satya, Sowjanya, Madhusudhan, Kousalya.
- *Treasurer* : Govardhan.
- *Web Designing* : Yashwanth, Rishikesh.

## **OVERVIEW:**

- AVISHKAR was introduced to the first year students of various colleges via campaigning.
- The team received an overwhelming response from the first year students of different colleges who have portrayed their zeal and enthusiasm towards this competition.
- The Avishkar'15 Team divided itself into 4 teams and successfully completed the task of campaigning in over 20+ colleges.
- A good number of registrations were received.
- The team guided the participants on how to make an abstract and a Power Point presentation both offline as well as online.
- The deadlines for the submission of abstracts and Power Point presentations were 28<sup>th</sup> February and 2<sup>nd</sup> March, 2015 respectively.
- A total of 29 presentations were presented with a count of 39 participants.
- The event was conducted in the Training and Placement seminar hall.

### **SCHEDULE:**

<b>10:00 AM - 10:40 AM</b>	Inauguration
<b>11:00 AM - 01:00 PM</b>	First session
<b>01:30 PM – 02:00 PM</b>	Lunch
<b>02:00 PM - 4:15 PM</b>	Second session/Valedictory Ceremony

### **JUDGES:**

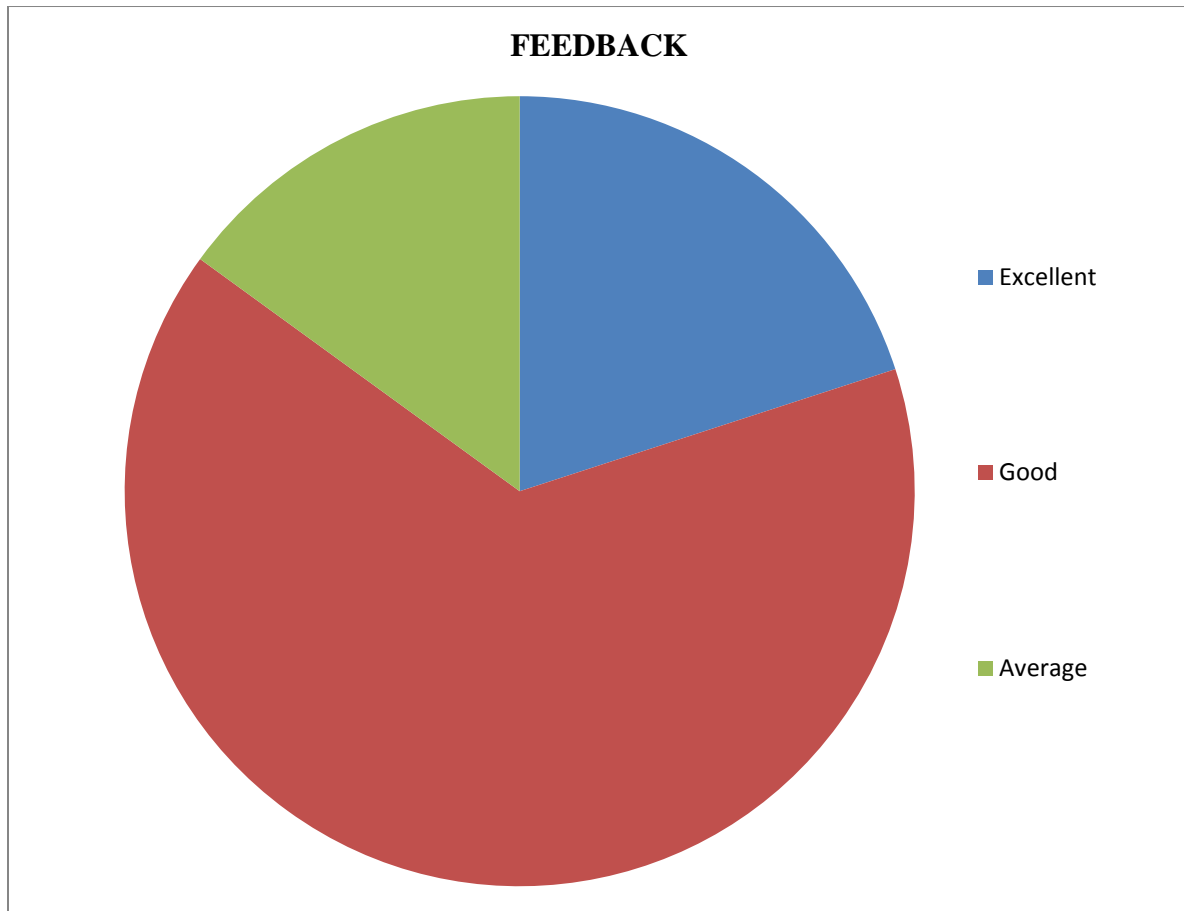
- Dr. A. Venkat
- Mr. Vidya Sagar
- Ms. Manjulatha
- Mr. Vijay Bhaskar

### **WINNERS' LIST:**

<b>PRIZE</b>	<b>WINNER</b>	<b>COLLEGE</b>	<b>TOPIC</b>
First Prize	Anubhav Naidu Ananth Krishna	VBIT	Deep Web
Second Prize	Rohith	Anurag College of Engineering	Windows 10
Third Prize	Wajeetha Tabassum Sree Valli	CVR College of Engineering	Wireless communication using microwaves
Fourth Prize	Pooja	CVSR	IC Engine



### **FEEDBACK:**

The Avishkar Inter event and its team received a positive response from participants of various colleges.



Excellent	20%
Good	65%
Average	15%



VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY  
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**FEEDBACK FORM**  
It was great to have your presence today!  
It's FEEDBACK time now!

Name : Alaseem Alummel

College Name : Sage

1) Was the event helpful?  
YES : ☒ NO:



2) Did the event reach your expectations?  
Yes : ☒ NO:

3) How do you rate the event?  
EXCELLENT: GOOD: ☒ AVERAGE: BAD:

4) How was your experience?  
I came here to present but I learned more than my presentation

5) Rate the organizing team  
EXCELLENT: GOOD: ☒ AVERAGE: BAD:

Any Suggestions?  
No suggestions.

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SCHOOL CODE : 4503584 STUDENT BRANCH CODE: 65451

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**FEEDBACK FORM**  
It was great to have your presence today!  
It's FEEDBACK time now!

Name : Ramanideep

College Name : Ace engineering college

1) Was the event helpful?  
YES : ☒ NO:



2) Did the event reach your expectations?  
Yes : ☒ NO:

3) How do you rate the event?  
EXCELLENT: GOOD: AVERAGE: BAD:

4) How was your experience?  
My experience is good and learn a many good things

5) Rate the organizing team  
EXCELLENT: GOOD: ☒ AVERAGE: BAD:

Any Suggestions?  
We also want to create a group like you

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**FEEDBACK FORM**  
It was great to have your presence today!  
It's FEEDBACK time now!

Name : Pushkar Nikhil

College Name : SREYAS ENGINEERING

1) Was the event helpful?  
YES : ☒ NO:



2) Did the event reach your expectations?  
Yes : ☒ NO:

3) How do you rate the event?  
EXCELLENT: GOOD: ☒ AVERAGE: BAD:

4) How was your experience?  
Good

5) Rate the organizing team  
EXCELLENT: GOOD: ☒ AVERAGE: BAD:

Any Suggestions?  
No comments

VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY  
Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

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**FEEDBACK FORM**  
It was great to have your presence today!  
It's FEEDBACK time now!

Name : N. Sai Varma

College Name : CVR college of engineering

1) Was the event helpful?  
YES : ☒ NO:

2) Did the event reach your expectations?  
Yes : ☒ NO:

3) How do you rate the event?  
EXCELLENT: GOOD: AVERAGE: ☒ BAD:

4) How was your experience?  
A. Bitter

5) Rate the organizing team  
EXCELLENT: GOOD: ☒ AVERAGE: BAD:

Any Suggestions?

**PHOTOGRAPHS:**











### **REVIEW:**

AVISHKAR'15 Inter round turned out to be a huge platform for the first years of VBIT including various other colleges to showcase their technical talents. It helped them mark their first step in the field of Science and Technology leading them to a professional world. The high standards and heavy competition boosted them up in building up their confidence levels and their challenging spirit. It also dealt with various aspects of the students including their communication and managerial skills. Avishkar was just not a paper presentation competition but presenting one's own talents and ideas in a professional way.

### **BUDGET:**

The total budget allotted for the event by IEEE-VBIT Student Branch was INR 5880 /-  
The total amount spent by the Avishkar'15 Team for the event was INR 5435/-  
The balance amount of INR 445/- has been submitted to IEEE-VBIT SB



**VIGNANA BHARATHI**  
Institute of Technology

(Approved by AICTE, Accredited by NBA, Permanently Affiliated to JNTUH)



**IEEE**  
HYDERABAD SECTION

**VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY**  
Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

### REPORT ON INTERNATIONAL WOMEN'S DAY CELEBRATIONS'15

International Women's Day organized by WIE AG, IEEE-VBIT SB in collaboration with IEEE Hyderabad section aims at empowering girls technically and promotes networking among the student members belonging to different colleges.

**THEME:** International Women's Day

**DATE:** 7<sup>th</sup> March, 2015

**VENUE:** VBIT, Ghatkesar

**NUMBER OF PARTICIPANTS:** 62

**IEEE Members:** 24

**Non IEEE Members:** 38

**Participants from other colleges:** 13

#### **SPEAKERS:**

- Dr.A.Swarna Bai, Chairperson, WIE AG, IEEE Hyderabad Section, Scientist'E', RCI, DRDO, Hyderabad.
- Mrs Vijayasree, MD, TWCDC.
- Ms. Arpita Soma, Co-founder, Head-Corporate Relations-YoGrad.
- Ms. Varsha Singh, Corporate Trainer
- Dr.Anil Kumar Saxena, Prof (Retd.) from Sardar Vallabhbhai Patel National Police Academy, Hyderabad.



**Branch Counselor:**

Ch. Suneetha.

**Execom Included:**

WIE AG, IEEE-VBIT SB

Lavanya Varthi - Chair person.

Tejasree- Vice Chair.

Krishna Veena- Secretary.

Chaitanya- Treasurer.

Sruthi- Representative.

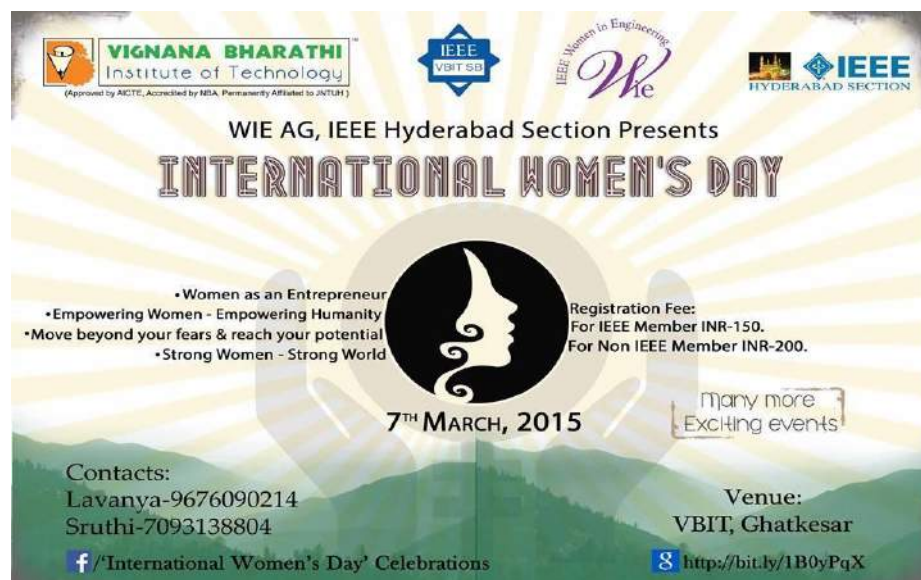
**EVENT DETAILS:**

International Women's Day Celebrations organized by WIE AG IEEE VBIT SB in collaboration with WIE AG Hyderabad Section is an Inter-event which is open for girls and boys.

The main aim of the event is to make the young women intuitive in all aspects and help them in overcoming their inhibitions through which they could be in a position to face the technological world and promote networking among the student members.

- Session 1: Women as an Entrepreneur
- Ice Breaking Session
- Session 2: Empowering Women –Empowering Humanity
- Ice Breaking Session 2
- Session 3: Move beyond your fears and reach your potential
- Ice Breaking Session 3
- Session 4: Strong Women – Strong World

**EVENT POSTER**



### INAUGURATION:

The inauguration started at 10:30 am, the dignitaries were welcomed by the Dr. J. S. N. Murthy, Principal of VBIT and honoured by Dr. C. R. N. Sarma Sir.

The Principal of VBIT spoke a few inspiring words about the Role of women in enhancing the world and the necessity of the women in all aspects.

Initially the event started with the lighting of lamp by the dignitaries and continued with the welcome note given by Dr. A. Swarna Bai, Chairperson, WIE AG, IEEE Hyderabad section and Scientist'E', RCI, DRDO, Hyderabad.

Dr. A. Swarna Bai, in her key note illustrated the significance of women and her duties in everyday life. The role of women in upgrading the world and bringing a revolution in any field she opts was clearly and precisely illustrated.

Thus ended the inaugural followed by the first session of the day

### INAUGURAL PICTURES



### **SESSION 1: EMPOWERING WOMEN –EMPOWERING HUMANITY**

**SPEAKER: MRS.VIJAYASREE, MD TWCDC**

The session started with an interaction with the audience. The main aim of the session was to highlight the advantages derived to entire humanity by empowering the women in all aspects .It is rightly stated that if a women is empowered with education the entire family will be educated. Similarly, the women should be given their due share in all walks of life as they constitute half of the human race. A community where women is empowered will be rich, wise and healthy.





### ICE BREAKING SESSION 1:

The ice breaking session was handled by the Ms. Sruthi, to make the participants feel a sigh of relaxation. Sruthi posed certain questions to the participants. It is a funny and brain storming session i.e. filled with laughter. The session was very important to create a healthy atmosphere between organizers and participants.



## SESSION 2: WOMEN AS AN ENTREPRENEUR.

### SPEAKER: MS. ARPITA SOMA, COFOUNDER OF YOGRAD

Ms. Arpita Soma delivered her experience on how and what circumstances led to her successful achievement in becoming an entrepreneur. She also added on how potent a woman could become to stand for her own self.







### ICE BREAKING SESSION 2:

To ease the session and to instil confidence among the participants a song was sung by one of the volunteers.

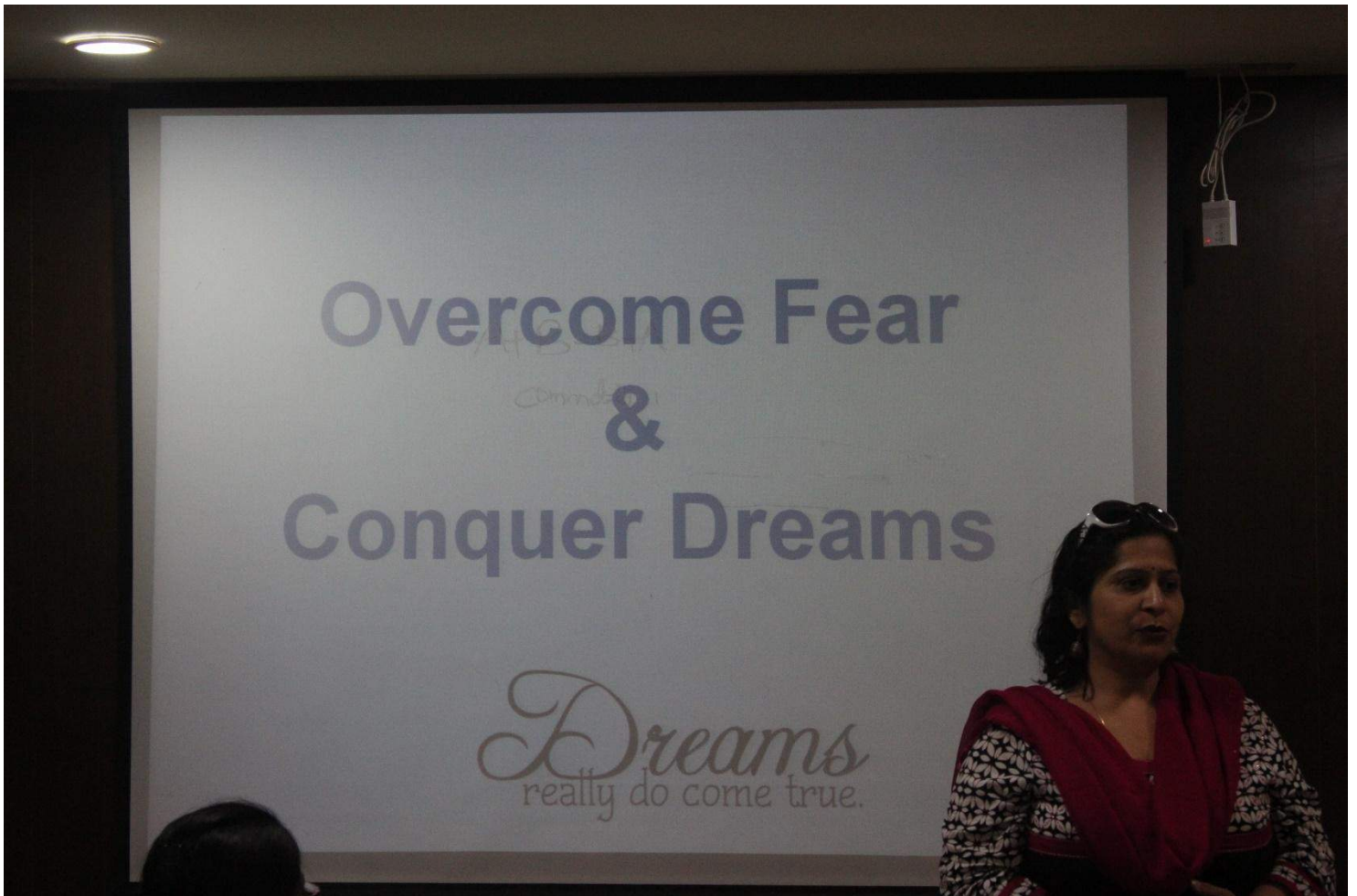




**SESSION3: MOVE BEYOND YOUR FEARS AND REACH YOUR POTENTIAL**

**SPEAKER: MS. VARSHA SINGH, CORPORATE TRAINER**

Ms. Varsha Singh briefly discussed on the challenges faced by women in the society and how to overcome their fears to reach their milestone.



**SESSION 4: STRONG WOMEN –STRONG WORLD.**

**SPEAKER: DR. ANIL KUMAR SAXENA, PROF (RETD.) FROM SARDAR VALLABHBHAI PATEL NATIONAL POLICE ACADEMY, HYDERABAD.**

Women should be made stronger by giving nutritious diet so that the off their springs are born stronger and there by create a stronger and healthier society.



### VALEDICTORY CEREMONY

The valedictory started at 4:15pm.

The gathering was addressed by Dr. A. Swarna Bai, Chairperson of WIE AG Hyderabad Section. The dignitaries were presented with mementoes by the Vice Principal of VBIT and Dr. C. R. N. Sarma. The valedictory ceremony was ended by the presentation of vote of thanks by Sahithi, volunteer, WIE AG IEEE-VBIT SB.











### EVENT HIGHLIGHTS



### VOLUNTEERS:

Jyothi

Sai Deepthi

Samhitha

Praneetha

Prathiba.







## VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY

Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE: 45893584 STUDENT BRANCH CODE: 65451**

### **REPORT ON COMPUTING COLLOQUIUM '15**

#### **Event Details**

**Date:** 9<sup>th</sup> and 10<sup>th</sup> March, 2015.

**Timings:** 10:30 AM to 4:10 PM

**Venue:** Vignana Bharathi Institute of Technology

**Number of Participants:** 70

**Branch Counselor:** Mrs.Ch.Suneetha

**Faculty Coordinator:** Mr.N.Venkateswara Rao

#### **Event Description:**

The Computing Colloquium is the ultimate platform event for engineering students to discuss, interact and gain bounteous knowledge of the exuberant technological world around. The event was a well organized amalgam of technical talks by renowned intellectuals, brain storming sessions, training and networking sessions and everything that technical enthusiasts wait for all around the year.

It offered a grand opportunity to witness the most eminent speakers of the field sharing knowledge with the young and aspiring minds all under one roof.

#### **DAY-1**

- The first session was taken up by Mr. Madhav Negi - Associate Director – Global PMO, CSC India Computer Sciences Corporation (CSC), who gave us a talk regarding “Digital Transformation”. He also enlightened us with his talk on the present digitalized world and how useful it is for us to be in touch with the present digital scenarios.

## Computing Colloquium'15

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- The second session was a Live-streaming session by Mr. Prasanth Mohan, Chair- Student Activities Chair (SAC chair) for IEEE Computer Society India Council on “How IEEE Computer Society can help in improving technical knowledge & How students can make the best out of their IEEE Computer Society Membership”. His session really brought out the best of the Computer society activities in front of the students. By the end of the session, he surely created a hype in the audience as they asked him many queries.

### **DAY-2**

- The first session on the second day was by Dr. Venkata Ramana Chary Ramagiri, Professor- Department of IT, B.V Raju Institute of Technology on “How to improve and write logical programs using programming concepts in C”. He put forth many ideas that could not only help the CS/IT students in understanding programming concepts but also helped the Non IT/CSE students.
- The second session was by Mr. Sudhakar Kolluru, Chairman – IEEE Hyderabad-Computer Society (CS) Chapter on “Cloud Computing”. He began his session from the basics involved in Cloud Computing and then focused on the broader concepts of it.

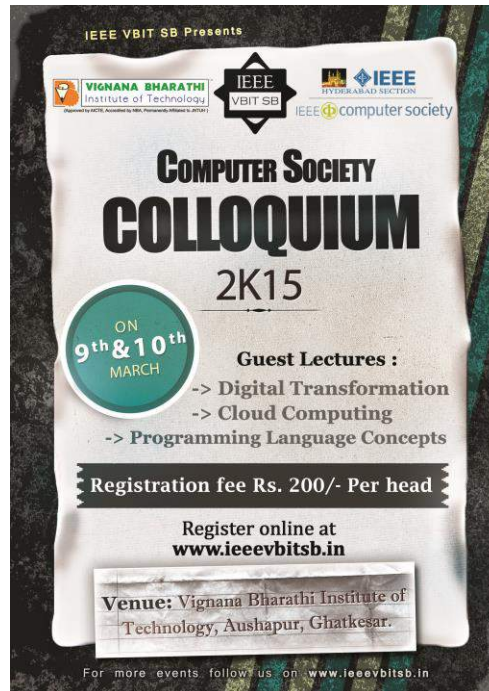
Apart from the technical sessions, there was also an Ice-Breaking session on both the days for a lively interaction between the participants.



# Computing Colloquium'15

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## Event Photographs:







## Computing Colloquium'15

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## **Organizers:**

Durga Bhavani  
AashishValvekar  
Akshita Gulati  
Baba Sai

## **Volunteers:**

Jithin Reddy  
Charan  
Yashwanth  
B. Sahiti  
Sujitha  
Sameer  
Akhila  
Krishit Goud

# REPORT OF COMMUNICATION COLLOQUIUM

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## VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY

Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

### **Communication Colloquium 2015: 14<sup>th</sup> March, 2015**

IEEE Communications Colloquium was conducted by IEEE COMSOC/SP Joint Chapter – Hyderabad Section in collaboration with COMSOC chapter of IEEE-VBIT SB. The detailed report on that event is as follows:

#### **Event Venue:**

Chethana Auditorium, Vignana Bharathi Institute of Technology, Ghatkesar

#### **Schedule:**

Time	Event / Talk	Speaker
10:00AM -10:30AM	Inaugural	-
10:30AM-12:00PM	Digital Communications: Technology that Powers the gen-Y Life style	Dr. Kasyapa Balemarthy (R&D, OFS Optics)
12:00PM-1:30PM	Channel coding: A Brief Introduction	Mr. Sanjeev Nimishakavi (DSP Firmware Lead in Qualcomm India)
1:30PM-2:00PM	Lunch	
2:00PM-2:20PM	Ice Breaking Session	
2:30PM- 4:00PM	Joining the Indian Electronics Industry	Mr. N. Venkatesh (Vice-President, Redpine Signals)
4:00PM-4:30PM	Valedictory Ceremony	



# REPORT OF COMMUNICATION COLLOQUIUM

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## **Registration Fee:**

Rs.150/- for IEEE members & Students of VBIT

Rs.200/- for non-IEEE members

## **Coordinators:**

Charishma Reddy

John Benedict

Srikar

Rama Krishna

Jivin C Jose

## **Volunteers:**

Nissita Sheba

Sruthi

Haritha

Saket Suri

Abhishek

Snigdha

Wasim

Shiva kumar

Sapthaphani

Ashwitha

Madhuri saritha

Shiva kumar

Pallavi

Shubhum

Ushasree

Vamshi sai

Lavanya sai

Pranathi

## **Session 1:**

**TOPIC:** Digital Communications: Technology that Powers the gen-Y Life style by Mr. Kasyapa Balemarthy

Dr. Kasyapa Balemarthy is presently working under R&D of OFS Optics. He has a vast

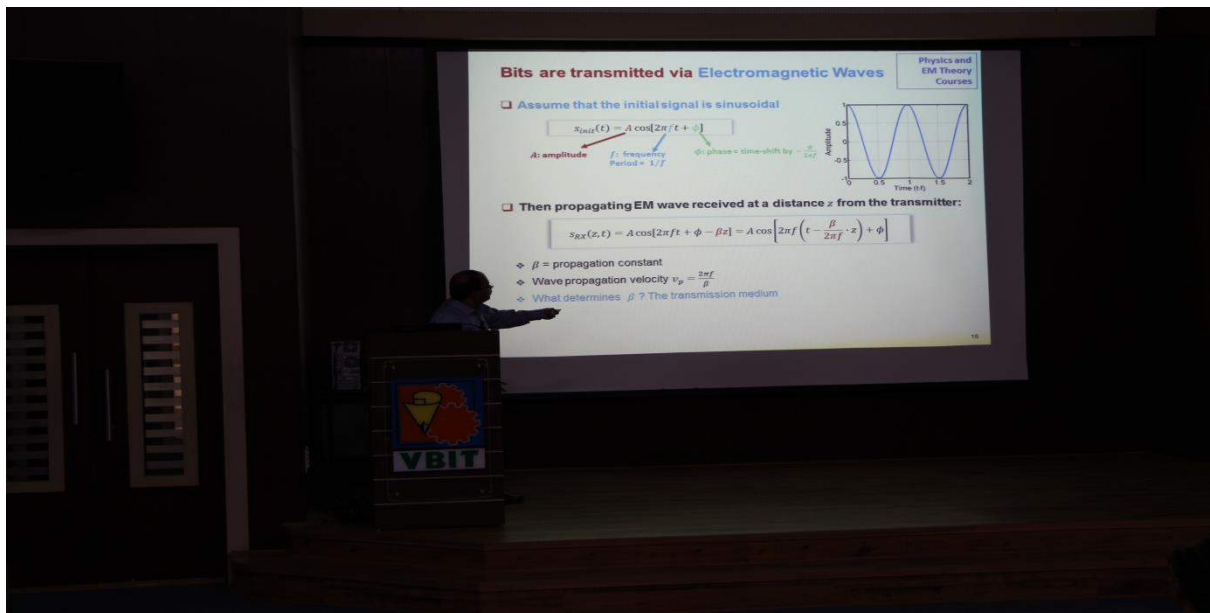
# REPORT OF COMMUNICATION COLLOQUIUM

Industrial experience in diverse fields of Communication Engineering. His lecture was started with how an ideal candidate should be in different aspects and showed few quotes of successful persons like Albert Einstein, Steve jobs. Then he discussed about the basic properties of Digital Communication. He explained about source coding and how we can transmit a bit to coaxial/fiber/space via electromagnetic.

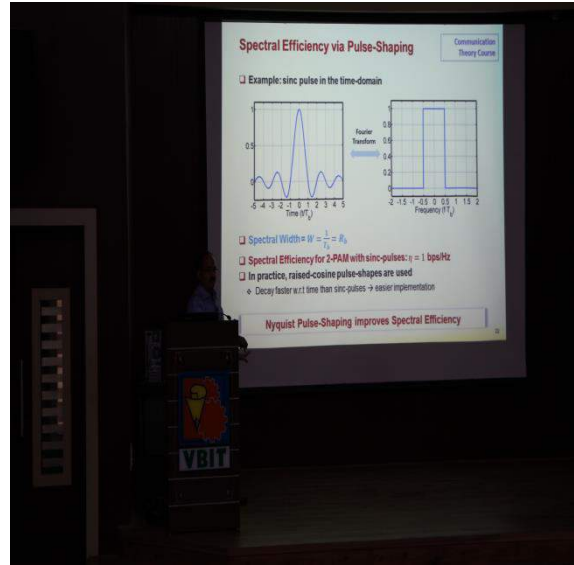
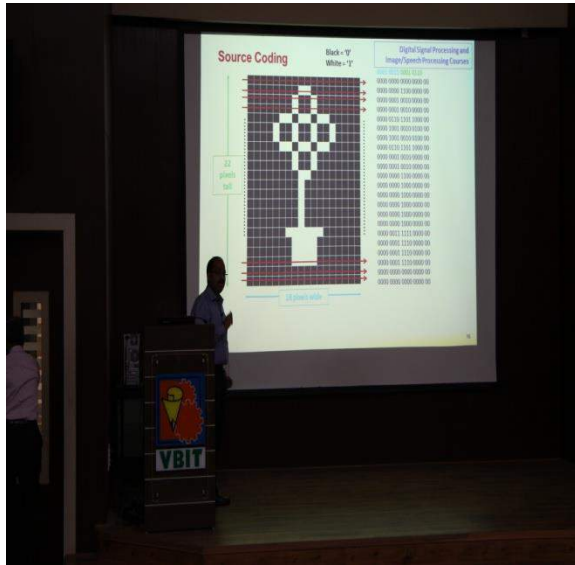
## Dr. Kasypa Balemarthy delivering his lecture



## Dr. Balemarthy's explanation about bit transmission



# REPORT OF COMMUNICATION COLLOQUIUM



## Session II:

**TOPIC:** Channel coding: A Brief Introduction by Mr.Sanjeev Nimishakavi

Mr. Sanjeev Nimishakavi is the Modem Physical Layer DSP Firmware Lead in Qualcomm India. In his lecture he has delivered about the Channel Coding. He explained about source alphabet and problems of channel coding. He also discussed about Trellis diagram segments. His lecture included the theoretical essence of the channel coding.

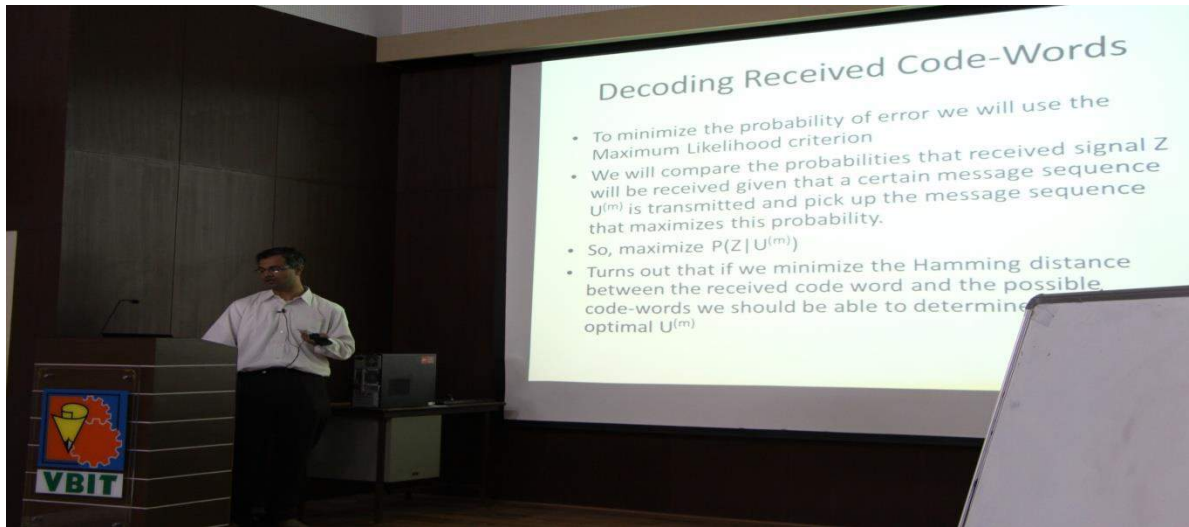
**Mr. Sanjeev Nimishakavi delivering his lecture**





# REPORT OF COMMUNICATION COLLOQUIUM

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## Session III:

**TOPIC:** Joining the Indian Electronics Industry by Mr. N. Venkatesh.

Mr. N. Venkatesh is presently working as Senior Vice president of Redpine Signals. He started his lecture by wishing everyone a happy pi day. Being a resource person with vast experience he has shared his views towards the careers prospects in electronic field in his lecture. In his lecture he discussed what industrialists expect from an E.C.E. graduate and also the industrial innovations in this field.

### Mr. Venkatesh wishing happy pi day



# REPORT OF COMMUNICATION COLLOQUIUM

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**Mr. N. Venkatesh delivering his lecture and answering the queries of the participants**



## **Ice break session:**

The ice break session was conducted by organizers of IEEE VBIT SB



## REPORT OF COMMUNICATION COLLOQUIUM

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**Tricky and logical question were posted to the audience**



**Audience enthusiastically thinking what would be the answer**





# REPORT OF COMMUNICATION COLLOQUIUM

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## Photos of the event:



## Conclusion:

The Communications Colloquium which has been a dream of COMSOC chapter of IEEEVBIT SB has been fulfilled to the heart's content. The lectures of this colloquium aimed at bringing down industry experts to the institution and create a platform to interact with knowledgeable and enthusiastic students of this generation. This motive has been reached and the students gave a positive feedback on the event.



**VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY**  
Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE : 45893584 STUDENT BRANCH CODE: 65451**

## Event Details

**Date:** 17<sup>th</sup> & 18<sup>th</sup> March, 2014

**Timings:** 10.30 A.M. to 4.30 P.M.

**Venue:** Chethana Auditorium, VBIT

**Participants attended:** 139

**In Collaboration with:** PES/IAS/PELS joint chapter Hyderabad Section /EEE Department

## Speakers Details:

Sl no	Name Of The Speaker	Organisation And Designation	Topic
1	Dr.K.Sumanth	Professor and HOD, EEE Department, Principal, Sreenidhi Institute of Science and Technology.	Advances in Electrical Power Systems and Practices.
2	Shri R Kannan	Sr MIEEE,G.M(Retd), BHEL R7D Division	Urgency to look into Renewable Power and Career Guidance.
3	Dr,R.Balasubramanyam	IEEE/PEs Chair Hyderabad Section.	Emerging Trends in Power System Planning and Operation.

## Power Colloquium @ VBIT

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4	Mr.Yesuratnam	EEE Professor in OU.	Power system security improved with fuzzy approach.
5	Mr.K.Vijaya Bhasker	Professor,EEE Department VBIT.	Recent trends in power electronics technology in 21 <sup>st</sup> century and beyond.

### **Branch Counselor:**

Mrs.Ch.Suneetha

### **Faculty Coordinator:**

Mr.V.Jeetendher

### **Execom Included:**

### **PES, IEEE-VBIT SB**

Mr.Ajay Bharath Reddy- Chairperson

Mr.A.Manohar -Vice-Chairman

Ms.P.Sarvani - Secretary

Mr.B.Vikram Chowdary - Treasurer

Mr.Uday Kumar - PES Representative

### **Objectives:**

Technical empowerment being the prime motto, PES IEEE –VBIT SB has conducted power colloquium – series of guest lectures for two days in collaboration with PES/IAS/PELS joint chapter and EEE Department.

### **Day 1:**

The day began with inauguration function followed by keynote by Mrs.K.Neelima , H.O.D., EEE Department briefing about power colloquium. Total Five guest lectures were conducted, 3 lectures on Day1 and 2 lectures on Day 2.



## Power Colloquium @ VBIT



*(Inauguration of Power Colloquium '15)*

### Session 1:

The first session conducted is on “Advances in Electrical Power Systems and Practices” by Dr.K.Sumanth. The session was about the Electrical power systems and the new innovations taken place in that field. And also about the present practices of the power systems. The basic fundamentals about the given topic are given by the speaker.



*(Introduction to Electrical Power Systems)*



*(Explanation about Smart Grids)*

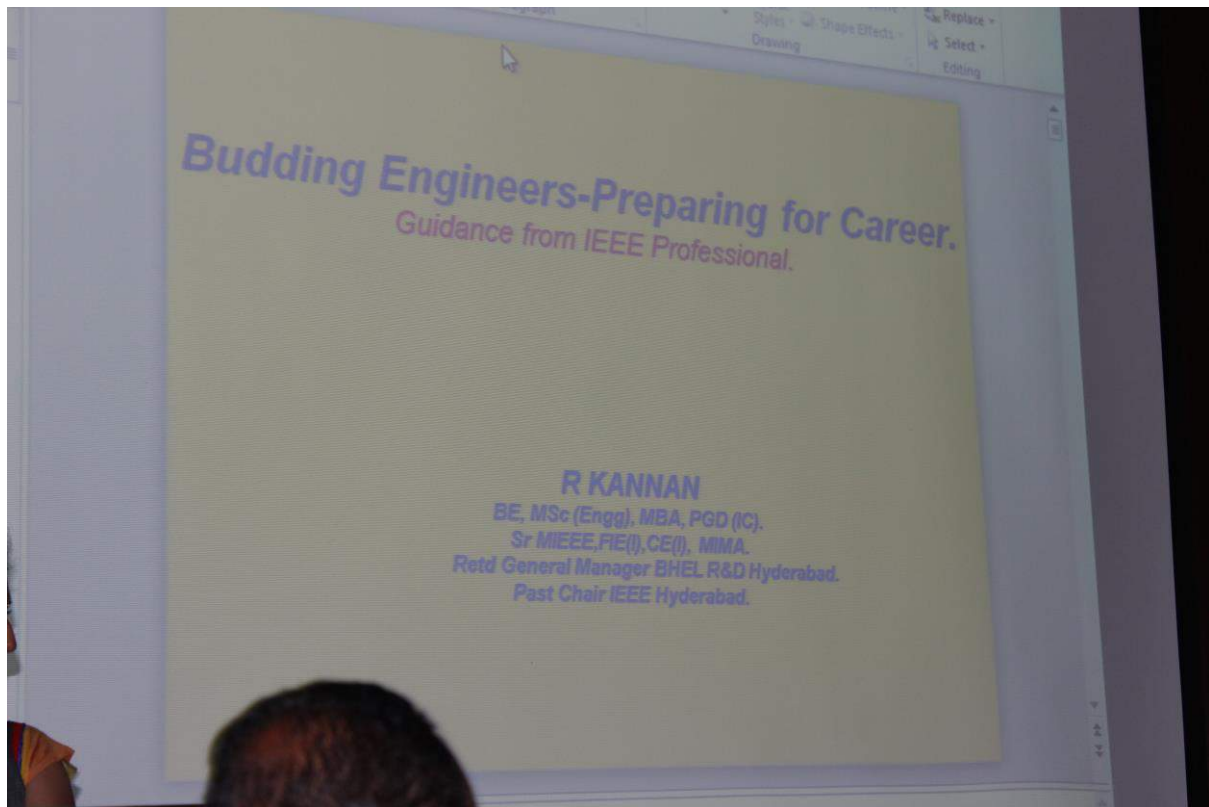
### SESSION 2:

The second guest lecture was delivered by Shri R Kannan, Sr MIEEE, G.M(Retd), BHEL R7D Division on "Urgency to look into Renewable Power and Career Guidance



*(Introduction to Renewable Energy)*

As the topic “Renewable Power” was not new to all the students. But clear explanation by the speaker about Urgency to look into the Renewable Power. The lecture given by the speaker about career Guidance and apt comparisons of the present situations made everyone interested about the topic



*(Explanation about Career Guidance)*

### SESSION 3:

The third session was on by “Dr.R.Balasubramanian”, Professor, GNITS and IEEE/PES Chair Hyderabad Section. The Present Trends in the Operation of Power System was explained very aspiringly. The session was very interesting as the planning of the power system based on the Present Trends had raised many ideas in the minds of the participants.



## Power Colloquium @ VBIT



*(Introduction to the Power system Planning and Operation)*



*(Explanation of the Topic's involved)*

### DAY 2:

Two guest lectures were conducted on day 2 on two interesting topics.

### SESSION 4:

The first lecture on Day 2 was on “Power system security improved with Fuzzy Approach” by Mr. Yesuratnam, EEE Professor. The talk was about the impact on the power system security by the Power Factor. The Calculation of the Power Factor on Power Stations was clearly explained through Fuzzy approach.



*(Introduction to Power system security)*



(Explaining about calculation of Power Factor)

### SESSION 5:

The second session of Day 2 was “Recent Trends in power electronics technology in 21<sup>st</sup> century and beyond” by Mr. K.Vijaya Bhasker. The session was very interesting and informative. The speaker explained the new trends in Power Electronics. The participants felt more interesting when the speaker compared the differences in power electronics from the 21<sup>st</sup> century and beyond.





*(Explaining about recent trends in power electronics)*



*(Explanation about Sizing issues of Convertors)*

## Power Colloquium @ VBIT

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Power Colloquium was completed on a good note with participants, faculty and speakers appreciating the dedication and hard work of the PES team.



*(Faculty members of EEE department )*



*(Participant giving feedback and sharing her experience)*







## Power Colloquium @ VBIT





(Student participants from various colleges)

### FEEDBACK:

IEEE PES POWER COLLOQUIUM FEEDBACK FORM	IEEE PES POWER COLLOQUIUM FEEDBACK FORM
Name : <u>G. Nagaraj</u>	Name : <u>S. Manju Shree</u>
College Name : <u>Jayaramkumar Institute of Technological Sciences</u>	College Name : <u>Jayaramkumar Institute of Technological Sciences</u>
1) Was the event helpful? YES : <input checked="" type="checkbox"/> NO: <input type="checkbox"/>	1) Was the event helpful? YES : <input checked="" type="checkbox"/> NO: <input type="checkbox"/>
2) Did the event reach your expectations? Yes : <input checked="" type="checkbox"/> NO: <input type="checkbox"/>	2) Did the event reach your expectations? Yes : <input checked="" type="checkbox"/> NO: <input type="checkbox"/>
3) How much do you rate the event? 1) EXCELLENT 2) GOOD 3) AVERAGE 4) BAD 1) EXCELLENT 2) GOOD 3) AVERAGE 4) BAD	3) How much do you rate the event? 1) EXCELLENT 2) GOOD 3) AVERAGE 4) BAD 1) EXCELLENT 2) GOOD 3) AVERAGE 4) BAD
4) How was your experience? <u>I learnt a lot to know the topics which are very useful for Engineers.</u>	4) How was your experience? <u>It's good, but not up to my expectations. But I learned how to organise a session.</u>
5) Rate the organizing team 1) EXCELLENT 2) GOOD 3) AVERAGE 4) BAD	5) Rate the organizing team 1) EXCELLENT 2) GOOD 3) AVERAGE 4) BAD
Any Suggestions? <u>I expect you to conduct many more events/workshops which are useful to the students.</u>	Any Suggestions? <u>Make sure from the next session to be more interested by conducting workshops regarding industrial processes, projects etc.,</u>

# Power Colloquium @ VBIT

**POWER COLLOQUIUM**  
**FEEDBACK FORM**

It was great to have your presence today!  
It's FEEDBACK time now!

Name : Gayathri Rora

College Name : Jayamukhi Institute of technology

1) Was the event helpful?  
YES : ☒ NO: ☐



2) Did the event reach your expectations?  
Yes : ☒ NO: ☐

3) How much do you rate the event?  
1) EXCELLENT 2) GOOD 3) AVERAGE 4) BAD

4) How was your experience?  
It is very good, have the good sessions and the coordinators of events are very helpful.

5) Rate the organizing team  
1) EXCELLENT 2) GOOD 3) AVERAGE 4) BAD

Any Suggestions?  
No suggestions.

**POWER COLLOQUIUM**  
**FEEDBACK FORM**

It was great to have your presence today!  
It's FEEDBACK time now!

Name : Archana

College Name : VBIT

1) Was the event helpful?  
YES : ☒ NO: ☐



2) Did the event reach your expectations?  
Yes : ☒ NO: ☐

3) How much do you rate the event?  
1) EXCELLENT 2) GOOD 3) AVERAGE 4) BAD

4) How was your experience?

5) Rate the organizing team  
1) EXCELLENT 2) GOOD 3) AVERAGE 4) BAD

Any Suggestions?  
Two days workshop was good but still expecting better than this.

**POWER COLLOQUIUM**  
**FEEDBACK FORM**

It was great to have your presence today!  
It's FEEDBACK time now!

Name : Yennam Harish Reddy

College Name : VBIT Engineering college

1) Was the event helpful?  
YES : ☒ NO: ☐

2) Did the event reach your expectations?  
Yes : ☒ NO: ☐

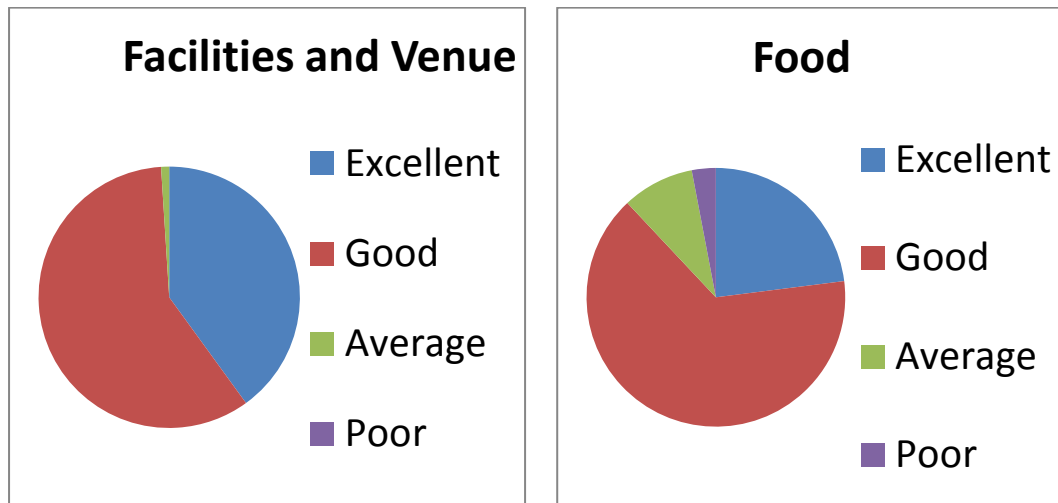
3) How much do you rate the event?  
1) EXCELLENT 2) GOOD 3) AVERAGE 4) BAD

4) How was your experience?  
very good. I felt very well.

5) Rate the organizing team  
1) EXCELLENT 2) GOOD 3) AVERAGE 4) BAD

Any Suggestions?  
No suggestions. All the Best for IEEE Members, organizing team.





**Power colloquium completed with good appreciation from all the faculty and participants and everyone wished to have many more such interesting events.**





VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY  
Aushapur (V), Ghatkesar (M), R.R. Dist-501 301

**SCHOOL CODE : 45893584    STUDENT BRANCH CODE: 65451**

**REPORT ON JOHN BARDEEN DAY**  
**23rd MAY, 2015**

**Introduction:** John Bardeen (May 23, 1908 – January 30, 1991) was an American physicist and electrical engineer, the only person to have won the Nobel Prize in Physics twice: first in 1956 with William Shockley and Walter Brattain for the invention of the transistor; and again in 1972 with Leon N Cooper and John Robert Schrieffer for a fundamental theory of conventional superconductivity known as the BCS theory.

On account of his 107<sup>th</sup> birthday and in remembrance of his significant contribution to the field of science, IEEE – VBIT SB has conducted an event in which the life history of John Bardeen was presented and his inventions were also discussed in the form of a Presentation.

**Event Details:**

- Date: 23rd May, 2015.
- Venue: Training & Placement Hall, VBIT.
- Time: 03:15 – 04:00 PM
- Number of participants: 30

**Organizers:** IEEE – VBIT SB

**Overview:**

- The event was started in the presence of the Principal, Dr. J. S. N. Murthy, Mr. N. Srinivas, Head of the Department, Computer Science, and Ms. P. V. Ramana, Associate Professor, ECE Department.
- The presentation on the life history of John Bardeen was given by one of our volunteers, Usha Sree Murali of II ECE.

## JOHN BARDEEN DAY

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- After the presentation, the Principal had added about the importance of Bardeen's inventions and its application in today's scientific world.
- The session ended on a high note as the Principal appreciated the efforts put forth by the team to conduct the event though there are examinations prevailing.

### Photographs:





## JOHN BARDEEN DAY

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