

Aurora's Degree & PG College

(ACCREDITED BY NAAC WITH 'B++' GRADE)
Chikkadpally, Hyderabad 500020



NAME OF THE EVENT	Transistor invention day
TYPE OF EVENT	Outreach program
FACULTY INCHARGES	P.Poornachander&R.Sravan kumar
DEPARTMENT	Electronics
DATE	16-12-2019
VENUE	Government High school, Musheerabad
TARGET AUDIENCE	10 th Class Students

OBJECTIVE:

- To aware students about various career options in the field of Electronics
- To make students to understand the basic concepts and components in Electronics.
- To make students to know the importance of invention of transistor in the field of electronics.

BRIEF ABOUT THE EVENT:

- The lecture emphasized on basic concepts and components in Electronics both theoretically and practically.
- In theoretical session we explained about basic concepts of Electronics like Ohm's law, Kirchhoff's laws and importance of Transistor.
- In practical session we explained the importance of Multimeter, how to measure the resistance value and identify the terminals of the transistor using Multimeter.

OUTCOME:

- Students will gain knowledge about working of various Electronics basic components.
- Students will gain knowledge on latest inventions in Electronics
- Students will be motivated to take up their career in the field of physics and electronics.

PHOTOGRAPH:



Detailed report on Transistor invention day

Date : 16-12-2019,

Venue : Government Highschool, Musheerabad.

Target Audience : X Class students

Introduction of the Event:

The transistor was probably the most important invention of the 20th century. Three great scientists Shockley, Bardeen and Brattain are responsible for the invention of the first transistor and it was announced on 16th December 1947.

The invention of transistor has brought a revolutionary change in the field of electronics. Today there is no electronic gadget that does not use a component from the transistor family. Hence every year 16th December is celebrated as Transistor's Birthday all over the world and the scientists are remembered on this occasion.

Methodology:

The event started at 1:00 pm with an introduction regarding basic concepts of Electronics like Ohm's law, Kirchhoff's laws. After that we explained how to write current and voltage equations for the given circuit and completed one exercise on the text book. Later we explained about Invention of Transistor and its applications.

We started practical session at 2.30pm, explained the importance of Multimeter and also demonstrated few basic components of electronics such as resistors, Capacitors, LEDS , different types of transistors. Later we explained how to measure resistor, capacitor, AC and DC voltage values using Multimeter.

Students were very enthusiastic and participated actively and are very happy with the sessions.

Student coordinators:

Snehalatha, Karthik & Soorrajmandal form MECs-2B

Faculty Coordinator:

P. Poornachander & R. Sravan Kumar

Following is the list of students:

S.No	Name of the student	Grade
1.	Sushma	X
2.	G. Lavanya	X
3.	S .Balaram	X
4.	K.Kalyan	X
5.	M. Manjula	X
6	D .Bindu	X
7	U.Ramu	X
8	P. Abhiram	X
9	P .Udaya	X
10	D .Ram	X

Photos:

