**Aurora’s Degree and PG College **

**(ACCREDITED BY NAAC WITH ‘B++’ GRADE)**

**Chikkadpally, Hyderabad 500020**

**Department of Electronics**

**EVENT PROPOSAL**

**for**

 Workshop – Design and Development of Clap Switch using LED Light

**Event/Activity Name**: Transistor Invention Day

**Event/Activity Title**: Workshop – Design and Development of Clap Switch using LED Light

**Event Conducted Department**: Department of Electronics

**Faculty coordinators**: 1. Poornachander P

 2. Dr. L Radhika Rani

**Date**: 16-12-2021

**Venue**: Aurora’s Degree & PG College – Block –III - ElectronicsLab

**Target audience**: B.Sc (MECs) First Years& MSCs Final Years

**Platform**: Offline @ Aurora’s Degree & PG College –Electronics Lab

**Level:** College

**Student Volunteer’s:** N/A

**Objective:**The main objective of the Workshop is to create awareness among students on development of clap switch by using LED lights.

**Proposed activities**:

* Hands on experience on Design and Development of Clap Switch using LED

**Guest/Speaker details**: MrHamedRaza In collaboration with Innovative technologies

**Budget**: Rs 500 per Participant /-

 Coordinators IQAC Coordinator Principal

Poornachander P & Dr. Radhika Rani Dr. Ravi kiran Dr. ViswanadhamBulusu

**Aurora’s Degree & PG College**

**Chikkadpally,Hyderabad -500020**

**Brief Report**

**On**

**Workshop**

**On the occasion of “Transistor Invention Day”**

| **NAME OF THE EVENT** | WorkshopOn the occasion of “Transistor Invention Day” |
| --- | --- |
| **TYPE OF EVENT**  | Department level |
| **FACULTY INCHARGE** | Dr. L Radhika Rani, P Poornachander |
| **DEPARTMENT** | Electronics |
| **DATE** | 16th  December, 2021 |
| **VENUE** | Aurora’s Degree and PG College, Chikkadpally |
| **TARGET AUDIENCE** | I B.Sc., M.E.Cs  |

**OBJECTIVE:**

* To motivate the students towards Electronics subject.
* Create awareness among the students about basic electronics components.
* Transform theoretical knowledge into practical applications

**BRIEF ABOUT THE EVENT:**

Department of Electronics organized a One day Workshop on “Design and Development of Clap Switch using LED Light” for B.Sc., 1st Year M.E.Cs Students.

In this workshop students designed “Clap Switch using LED Light”, is an electronic circuit thatswitches ON and OFF when some person claps near the circuit.

Totally 20 Students from 1st year M.E.Cs participated and feedback from the participants was also highly positive. The students expected the same type of workshop in future as well.

**OUTCOME:**

* Confidence in designing a circuit and testing it
* Improves the subject knowledge and boost confidence.
* Students received certificate along with Kit.

**PHOTOGRAPHS:**

 

**Aurora’s Degree & PG College**

**Chikkadpally, Hyderabad -500020**

**A Detailed Report**

**On**

**Workshop**

**On the occasion of “Transistor Invention Day”**

| **NAME OF THE EVENT** | WorkshopOn the occasion of “Transistor Invention Day” |
| --- | --- |
| **TYPE OF EVENT**  | Department level |
| **FACULTY INCHARGE** |  Dr. L Radhika Rani, P Poornachander |
| **DEPARTMENT** | Electronics |
| **DATE** | 16th  December, 2021 |
| **VENUE** | Aurora’s Degree and PG College, Chikkadpally |
| **TARGET AUDIENCE** | I B.Sc., M.E.Cs  |

**PROGRAM SCHEDULE: 16thDecember, 2021 from 9:30 am to 4 pm.**

Session 1: Theory session on “Basic components “

Session 2 : Designing a Circuit

Session 3 : Assembling the components on General PCB board

Session 4 : Soldering of components

Session 5 : Testing the Circuit

**VENUE:** Aurora’s Degree and PG College, Chikkadpally

**LIST OF FACULTY COORDINATORS:**Dr. L Radhika Rani, P Poornachanderdepartment of Electronics.

**LIST OF THE STUDENT COORDINATORS: ----**

**LIST OF THE PARTICIPANTS:**

| **S.No** | **Roll No** | **Name of the Student** |
| --- | --- | --- |
| 1 | 1051-21-474-002 | Mohammed Ghouse Pasha |
| 2 | 1051-21-474-003 | Siddula Satish Netha |
| 3 | 1051-21-474-004 | Syed Adnan Hussain |
| 4 | 1051-21-474-005 | Gandhi Raj Basumatary |
| 5 | 1051-21-474-006 | Mohammed Parvez |
| 6 | 1051-21-474-008 | Pagunta Vishnuvardhan Reddy |
| 7 | 1051-21-474-009 | Pershettiwar Sai Bharath |
| 8 | 1051-21-474-010 | CH Naga Srija |
| 9 | 1051-21-474-011 | Vadla Vishnu Vardhan Chary |
| 10 | 1051-21-474-014 | Naini Ashish Kumar |
| 11 | 1051-21-474-015 | Deepak Urade |
| 12 | 1051-21-474-016 | Shaik Abdul Rajak |
| 13 | 1051-21-474-017 | Madyanam Karthik Reddy |
| 14 | 1051-21-474-018 | Sharvirala Krishna Priya |
| 15 | 1051-21-474-023 | Bende Sriram |
| 16 | 1051-21-474-025 | Uyyala Sowmya |
| 17 | 1051-21-474-029 | Katakam Nithin |
| 18 | 1051-21-474-032 | Bidar Pranith Raj |
| 19 | 1051-21-474-033 | A Pavan Datta |
| 20 | 1051-21-474-034 | Sai Datta Manish |

**PARAGRAPH ABOUT THE PROCEEDINGS**

**Introduction of the Event:**

Department of Electronics organized a One day Workshop on “Design and Development of Clap Switch using LED Light” for B.Sc., 1st Year M.E.Cs Students

The Workshop is designed such that students learn subject in detail apartfrom their regular curriculum. The workshop provides more practical knowledge to the studentsin designing electrical circuits.

In this workshop students designed “Clap Switch using LED Light”, is an electronic circuit that switches ON and OFF when some person claps near the circuit.

**Methodology:**

Department of Electronics, Aurora’s Degree and PG College conducts this event with great enthusiasm every year. This year workshop was conducted on Design and Development of Clap Switch using LED Light” for B.Sc., 1st Year M.E.Cs Studentsby Mr. Hamed Raza Director, Innovative technologies, Hyderabad.

The program was conducted in Electronics lab from 09:30 to 04:00pm. Mr. Hamed Razaexplained about basic components in electronics and importance of transistor in session -I.

He also explained Designing of simple electronic circuits and designing of clap switch. In practical session he explained how to assemble components on PCB and how to soldering the components. After completion of design and soldering he tested the circuit.

 Totally 20 Students from 1st year M.E.Cs participated and feedback from the participants was also highly positive. The students expected the same type of workshop in future as well.

**INCOME AND EXPENDITURE :**

Income collected from students: 500X20=Rs10000/-

Kit and certificate : 485X20= Rs9700/-

Lunch for the guest: Rs 300/-

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**EVENT PHOTGRAPHS:**





 

**GUEST PROFILE**: MrHamedRazaDirector, Innovative technologies

**FEED BACK** : Students gave positive feedback and they felt happy for conducting this event.

**CERTIFICATe and PROJECT KIT**

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