

## Brief report on sessions conducted by Cluster-1

### **Two day Workshop on ATL Initiatives on 04<sup>th</sup> and 05<sup>th</sup> October, 2019.**

V K R Acharya Memorial English Medium High School hosted a Two day Workshop on ATL Initiatives to its interested students. Students from Government High School Haklady and Government Pre-University College Bidkalkatte were also present. The session was conducted on 4<sup>th</sup> and 5<sup>th</sup> October, 2019. Student Members from Cluster – I organized this workshop with the help from Cluster In-charges. Students were given a brief idea of all the basic components used in the circuit. They also briefed about the logic gates used in the digital circuits. The complete session on October 4<sup>th</sup> was divided into three sub-sessions.

First session was to introduce the basic components generally used in all electronic projects like the Resistors, Capacitors, Transistors and Diodes and the usage of those components were explained. Students were also given some Activities and Tasks like identifying resistor values by reading colour codes and reading the capacitor values written on the capacitors.



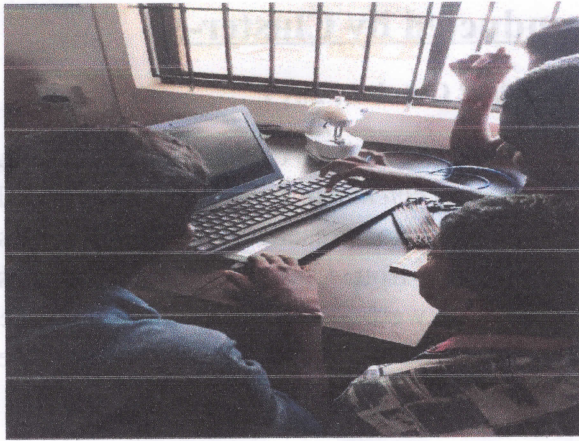
Latitude: 13.61530  
Longitude: 74.69469

In the second session, Dr. Vasudev, Convener, ATL Initiatives, told the students about the importance of ATL and future opportunities for students. He also motivated students to contribute to the growth of country and to the science community by thinking innovatively and constructively. Professor also explained the need to cultivate the habit of experimental learning rather than learning through memory.

In the third Session, Students were introduced to the concept of logic gates and few circuits were designed and simulated. Few experiments related to logic gates were also conducted.

Second day, October 5<sup>th</sup>, ATL Kids were given an introduction on Arduino. Later they were divided into teams of six people and basic Arduino projects and experiments were done utilizing the lab equipment.

  
Principal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist,  
BANTAKAL - 574115



Principal of VKR Acharya Thanked the SMVITM Team for Initiating this voluntary service for a Nation Building Process through ATL Initiatives. ATL in-charges of Host School, Haklady and Bidkalkatte were grateful to the Cluster-I Team for their tremendous work on both the days.

*Arasop*

Principal

**SHRI MADHWA VADIRAJA**  
**INSTITUTE OF TECHNOLOGY & MANAGEMENT**

Vishwothama Nagar, Udupi Dist.

BANTAKAL - 574 115

Latitude: 13.61230  
Longitude: 74.69469

*Arasop*

SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
BANTAKAL - 574 115