

Mahatma Gandhi Vidyamandir's
M.S.G. Arts, Science and Commerce College, Malegaon Camp, Nashik
DEPARTMENT OF ELECTRONIC SCIENCE

Report on activities on Best Practices

Academic Year: 2016-17


Activity No.	01: Hands-on training
Aim	Hands-on training on repairing and maintenance of Electronic Gadgets
Date of the event	23/12/2016 to 24/12/2016
Participants	UG students of department
Objectives:	<ul style="list-style-type: none"> ➤ Understanding and testing of components using multimeter. ➤ Hands on soldering and disoldering of the components. ➤ To test and find the fault from electronic gadgets using multimeter. ➤ Repair the electronic gadgets. ➤ Improve the subject practical knowledge used in their daily life. ➤ Learn the E-waste management.
Evidences of success:	<ul style="list-style-type: none"> ➤ The student learns the component testing and builds the electronic circuits. ➤ Students learn to design, build and test the circuits. ➤ Students learn to find basic faults in electronic circuits as well as domestic appliances and able to repair the devices.
Context	The electronic science subject has been introduced in science faculty as bridging gap between science, technology and engineering. One of the features of F.Y./S.Y./T.Y. electronic science syllabus is that it copes with present industrial needs of the technical and engineering supports. So our students can easily find jobs in electronic industries. The toughest challenge to our students is the unavailability of local Electronic Industries/Factories. They have to go far in metropolitan cities like Pune, Mumbai and Bangalore etc.
Report	In the academic year 2016-17 department of Electronic science organized Hands-on repairing and maintenance of domestic appliances for F.Y.B.Sc students. In this workshop the identification of active and passive components, testing of components and repairing of the device has been introduced. Mr. Dhavalkar from Jain Technical Institute Malegaon was the Trainer of the workshop. All the staff members along with 30 students from F.Y.B.Sc Class actively participated in this workshop held in Electronic science lab on 23 rd and 24 th December 2016.
Problem Encounter and	The big problem we encountered during conduction of best practices was the limitation of funding from BCUD, Pune. So, we had collected some nominal fees

resources from participating students to make the activity successful. All types of electronics testing and measuring lab instruments were available in our lab. A little problem of the unavailability of Arduino Uno boards was faced but it was then overcome by self-finance. While organizing such hands on training workshop, we require help of Industrial person. To solve bridging gap between syllabi and industrial requirement, such type of training workshops are needed. Due to change in technology and syllabi, organizing such type of hands on training would be need of the future.



Participants list

Sr. No.	Name of Student	Sr. No.	Name of Student
01	CHAUDHARI VISHAL DILIP	16	THAKARE MAHESHWARI KASHINATH
02	THAKARE KAVERI SHIVAJI	17	MISAR AKSHAY ASHOK
03	JADHAV SHWETA HIRAMAN	18	PATIL VAIBHAV SURESH
04	MORE RENUKA VIJAY	19	AHIRE HARSHALI RAMESH
05	AHIRRAO PRASAD DILIP	20	KADAM RUTUJA VISHWASRAO
06	BORASE AMOL HIRALAL	21	MAGAR PRATIKSHA RAMSING
07	HALWAR MEGHA HARI	22	JADHAV DIGAMBAR PRAKASH
08	BHOSALE MAYUR MUKESH	23	PARDESHI PRAJAKTA VIJAYSING
09	GATVE ASHWINI SHIVAJI	24	AHIRE HRUSHIKESH DATTATRAY
10	PACHORE ROHINI JAYPRAKASH	25	KHAIRNAR SHWETA BALASAHEB
11	SURANJE TEJASWINI SUBHASH	26	MORE AMOL ANIL
12	KHAIRNAR AISHWARYA EKNATH	27	POLE PRIYANKA SEVAKRAM
13	SHELKE SWATI MOTHABHAU	28	PATIL YOGESH SANJAY
14	JAIN SANDESH KISHORKUMAR	29	DESALE KHUSHAL SHIVAJI
15	KADAM KAILAS BAPU	30	CHIKANE MAHENDRA DILIP

Activity No.	02. Electronics Projects Competition for UG students
Aim	Electronics Projects Competition for UG students
Date of the event	01/03/2017
Participants	Staff and UG students of department
Objectives:	<ul style="list-style-type: none"> ➤ Reuse of the e-waste passive component to build projects. ➤ Students use their practical skills to develop new gadgets. ➤ Students learn presentation skills. ➤ Students learned by doing it.
Evidences of success:	<ul style="list-style-type: none"> ➤ The student learns the component testing and builds the practical circuit. ➤ The students can design, build and test of the circuits. ➤ The students also learn to reuse electronic components, e-waste management and how to utilize the e-waste to refurbish gadgets.
Context	The electronic science subject has been introduced in science faculty as bridging gap between science, technology and engineering. One of the features of F.Y./S.Y./T.Y. electronic science syllabus is that it copes with present industrial needs of the technical and engineering supports. So our students can easily find jobs in electronic industries. The toughest challenge to our students is the unavailability of local Electronic Industries/Factories. They have to go far in metropolitan cities like Pune, Mumbai and Bangalore etc.
Report	Department of Electronic Science organized project competition for UG students on 1 st March 2017 on the occasion of birth anniversary of founder of the institute Karmveer Bhausaheb Hiray. Around 30 students were participated in workshop. The students build project using e-waste material. The prizes has been distributed to students .
Photo Proof	



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