Pune District Education Association's

Mamasaheb Mohol College, Paud Road, Pune- 38

ANNUAL REPORT 2020-21

Electronics Department

Sr. No.	Date	Name of the Activity	Description of events	Name of the resource person	Name of the co-ordinator	No of students
1.	30/11/2020 3 /123/2020 4/12/2020	**Diagnostic test**	**Objective-** To assess learning level of students **Practice-** The electronics department conducted online diagnostic test for FYB BSc CS and SYBSc CS **Outcome-** Teacher could device teaching methodology.	–	Dr. Sapana Rane	51
2	8/12/2020 to 15/12/2020	**Remedial coaching**	**Objectives :** To teach as per students requirement. To inculcate foundation for electronics subject. **Practice:** The subject area where students lag is found with diagnostic test and class discussion. The essential	–	Dr. Sapana Rane	25

			basic concepts were taught **Outcome:** The foundation for electronics subject was developed.			
3.	15/06/2021	**Power point presentations by students**	**Objectives:** Self-learning And Presenting knowledge precisely **Practice:** The students of SYBSc computer science prepared power point presentation on recent trends in computronics and uploaded on Moodle . **Outcome :** Students were able to self learn and present a new concept.	Dr. Sapana Rane	Dr. Sapana Rane	32
4	17/04/2021	**Demonstration on " Virtual Laboratory"**	**Objectives:** To provide demo of how to use Virtual laboratory to perform experiments, **Practice:** In the context of current pandemic situation students of FYBSc and SYBSc computer science	Dr. Sapana Rane	Dr. Sapana Rane	52

			students were trained to Perform practical using virtual laboratory an initiative by MHRD Govt. of India. **Outcome:** The students performed experiments using virtual lab in pandemic situation.			
5.	**11/07/2021**	**Demonstration on raspberry Pi Applications**	**Objective :** Skill development **Practice :**The demonstration of how to develop embedded system and IOT application using Raspberry Pi ,ARDUINO was demonstrated by the experts from future-chip technology **Outcome :** The students understood how to develop simple automation application s	Prof. Kumbhar	Dr. Sapana Rane	05
6.	**11/07/ 2021**	**Demonstration on IOT applications**		Prof. Bhujbal	Dr. Sapana Rane	05
7.	-	**Recording of Zoom Lectures (E Resource)**	Objectives: To provide learning material in	–	Dr. Sapana Rane	52

			asynchronous mode Practice : Due to Pandemic situation it was not possible for all students to attend online lectures. Hence the idea was to record each lecture on ZOOM platform amd made it available on You-tube and Moodle LMS in asynchronous mode for students. **Outcome:** All students could get access to lectures			
8	Semester 1 and 2 for FY/SY	**Assignment (Problem solving, Information collection , Case study)**	**Objective :** Continuous assessment through activity based learning **Practice:** Continuous evaluation of students was conducted through various tools such as problem solving, Information collection and case study. **Outcome :** To achieve educational	–	Dr Sapana Rane	

			learning objectives through different levels of complexity			
9	**Semester 1**	**Societal survey**	**Objective :** To develop scientific approach and social consciousness among students through societal survey **Practice :** The students were motivated and trained to conduct the online societal survey on" Effects of Pandemic situation " The students of SY BSc CS conducted survey on online education and online payment and submitted the report. **Outcome:** The students were made aware of scientific methods and thinking.	Prof. Santosh More	Dr Sapana Rane	

s/d-

Dr Sapana Rane

Head OF Electronics Department

Figure 1Demonstration of Virtual laboratory

Latitude: 18.51403
Longitude: 73.821208
Elevation: 601.75±3 m
Accuracy: 49.0 m
Azimuth: 245° (SW)
Pitch: -11.9° (5.4°)
Time: 10-07-2021 12:22
Note: Demo

Figure 2Demonstration of Embedded system
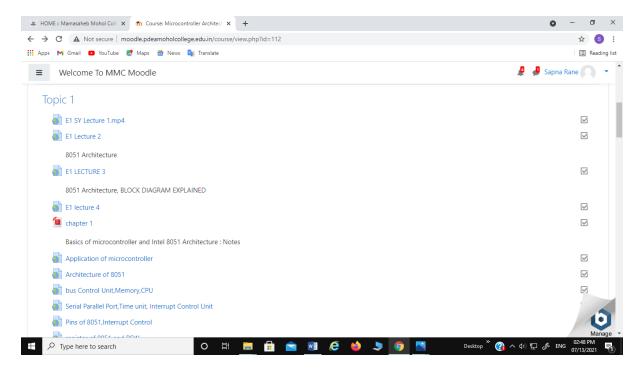
Figure 3 Demonstration of IOT application

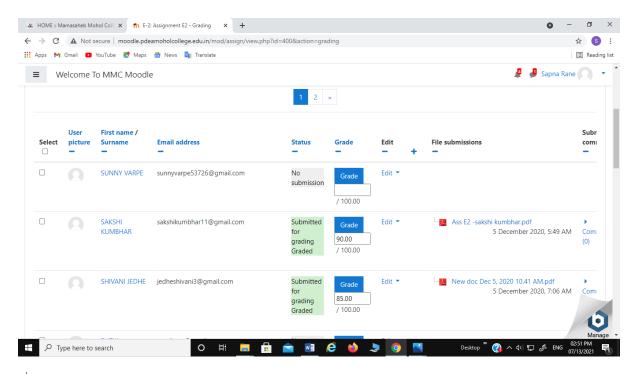*Figure 4 Screen shot of video lectures made available on Moodle*
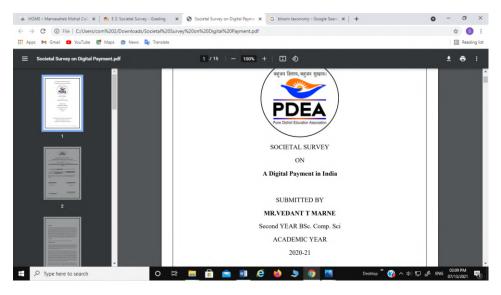
Figure 5 Screen shot of Assignment submission

Figure 6 Screen Shot of societal Survey