

MAHATMA GANDHI VIDYAMANDIR'S

LOKNETE VYANKATRAO HIRAY ARTS, SCIENCE AND COMMERCE COLLEGE,

PANCHAVATI, NASHIK

DEPARTMENT OF ELECTRONIC SCIENCE

Academic Year-2020-21

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### List of Extensional Activities

| Sr. No. | Name of Activity   | Date of Activity   | No. of Participant |
|---------|--|--------------------|--------------------|
| 1       | Webinar on "Basics of Microcontroller"                       | 30/05/2020         | 125                |
| 2       | Project work done at Cognifront Pvt. Ltd, Panchavati, Nashik | Whole Year-2020-21 | 6                  |


# Reports of Extension Activities

| <b>Academic Year: 2020-21</b> |   |
|-------------------------------|---|
| <b>Activity1:</b>             | <b>Webinar on “Basics of Microcontroller”</b>   |
| <b>Date:</b>                  | <b>30 May 2020</b>  |
| <b>Objective:</b>             | <ol style="list-style-type: none"> <li>1. To Aware the students with Microcontrollers.</li> <li>2. Programming of Microcontroller.</li> <li>3. Use of Software for programming of Microcontrollers.</li> </ol>  |
| <b>Outcomes:</b>              | <ol style="list-style-type: none"> <li>1. Student gets the knowledge of microcontroller.</li> <li>2. Student learns the programming of microcontroller.</li> <li>3. They get the knowledge of interfacing the microcontroller with peripheral devices like keyboard, LED, LCD</li> </ol>  |
| <b>Report:</b>                | <p>Our department organized a one-day free webinar on “Basics of Microcontroller” for all the interested students, teachers and others on Saturday, 30 May 2020. For this, Prof. S. A. Wankhede, K. K. Wagh ASC College, Pimplagaon (B) Nashik was the resource person. A total of 300 participants registered and 125 participants attended the webinar. A Certificate of attendance is given to all participants.</p> |
| <b>Photos :</b>               |   |

List of Students participated in webinar for department:

| <b>Sr. No.</b> | <b>Name of Student</b>     | <b>Sr. No.</b> | <b>Name of Student</b>               |
|----------------|----------------------------|----------------|--------------------------------------|
| 1              | Makwana Bhavesh Dharmendra | 20             | Patil Rushikesh Valmik               |
| 2              | Gaikwad Ajay Rajendra      | 21             | Sonawane Sarika Appa                 |
| 3              | Chaudhari Vishal Dilip     | 22             | Omkar Rajendra Shirsath              |
| 4              | Deore Dinesh Laxman        | 23             | Avishkar Ashok Deshmukh              |
| 5              | Patil Ashwini Chintaman    | 24             | More Mayur Kailas                    |
| 6              | Bagul Parineeta Pundlik    | 25             | Tejas Shirsath                       |
| 7              | Bagul Rohan Pundlik        | 26             | Dhanesh Thapekar                     |
| 8              | Kadam Sachin Pandurang     | 27             | Vishal Fulchand Sharma               |
| 9              | Kulkarni Vivek Shamrao     | 28             | Dhiraj Pundlik Shelke                |
| 11             | Khan Anjum Asif            | 29             | Shubham Dasharath Borse              |
| 12             | More Kavita Narayan        | 30             | Shreeraj Bipin Sisodiya              |
| 13             | Gunjal Jyoti Prakash       | 32             | Ratan Prakash Jadhav                 |
| 14             | Thete Kajal Sanjay         | 33             | Namrata Anil Pathade                 |
| 15             | Gavit Satish Ramdas        | 34             | Khade Rajshri Balu                   |
| 16             | Pawar Devyani Vilas        | 35             | Gorakh Arun Suryawanshi              |
| 17             | Dhokare Akshada Balasaheb  | 36             | Keshav Kisan Shinde                  |
| 18             | Ghanshyam Aaba Khairnar    | 37             | Shweta Ramesh Zoting                 |
| 19             | Waghere Pratik Devidas     | 38             | Other college students and faculties |

**Academic Year: 2020-21**

|                    |  |
|--------------------|--|
| <b>Activity 2:</b> | <b>Project work done at Cognifront Pvt. Ltd, Panchavati, Nashik</b>  |
| <b>Date :</b>      | <b>Throughout the year- 2020-21</b>  |
| <b>Objectives:</b> | <ol style="list-style-type: none"><li>1. Introduction to IoT</li><li>2. Applications of IoT in Electronics Science.</li><li>3. In IoT –Arduino and Raspberry Pie Application.</li><li>4. Developed the project based on IoT using Arduino and Raspberry Pie.</li></ol>                           |
| <b>Outcomes:</b>   | <ol style="list-style-type: none"><li>1. Students understand the basic building blocks of IoT.</li><li>2. Students get information about IoT protocols.</li><li>3. How to Design and Develop an IoT based system.</li><li>4. Developed the project for the T.Y.B.Sc. and M.Sc. course.</li></ol> |
| <b>Report:</b>     | Our Department Students from T.Y.B.Sc. and M. Sc II has carried out the project work in the Cognifront Pvt. Ltd, Panchavati, Nashik. This student takes the training and implements the project under this activity.   |
| <b>Photo :</b>     |   |

**List of Students Perform the Project on Internet of Things.**

| Sr. No. | Name of the Student      | Name of the Project   | Class     |
|---------|--------------------------|---|-----------|
| 1       | Gaikwad Ajay Rajendra    | Workshop On IoT Technology, Cognifront, Nashik                        | M.Sc.-II  |
| 2       | BhaveshDharmendraMakwana | Workshop On IoT Technology, Cognifront, Nashik                        | M.Sc.-II  |
| 3       | Chaudhari Vishal Dilip   | IoT Based Emergency Management System in Industry, Cognifront, Nashik | M.Sc.-II  |
| 4       | Deore Dinesh Laxman      | Workshop On IoT Technology, Cognifront, Nashik                        | M.Sc.-II  |
| 5       | Sharma Vishal Fulchand   | IoT Based Detection Of Gases InDrainage System                        | T. Y. BSc |
| 6       | ShelkeDhirajPundlik      | IoT Based Detection Of Gases InDrainage System                        | T. Y. BSc |

*Shinde*

**Prof. Dr. U.P.Shinde**

Head

Department of Electronic Science