

Additional Information for QnM 1.3.2-

1.3.2.1: Number of courses that include experiential learning through project work/field work/internship during the year

Data Requirement:

- Name of the Course
- Details of experiential learning through project work/field work/internship
- Name of the Programme

File description:

- Any additional information
- Programme / Curriculum/ Syllabus of the courses
- Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses
- MoU's with relevant organizations for these courses, if any.

The summary table is as given below shown program-wise number of courses that include experiential learning

	1.3 Curriculum Enrichment					
	1.3.2 Number of courses that include experi	iential learning				
Sr No	Program Name	Number Of Courses				
1	Information Technology	17				
2	Computer Engineering	9				
3	Electronics Engineering	5				
4	Electronics and Telecommunication Engineering	4				
5	Biomedical Engineering	13				
6	First Year of Engineering	0				
7	7 Master of Management Studies 5					
	Total	53				

Document showing the experimental learning through project work/field work/internship as prescribed by the affiliating university curriculum is as shown below. The sample documents include-

- Project work in collaboration with outside organization
- Course Mini Project,
- Field work,
- Semester Mini Project

Other documents as per data template are uploaded on this link https://tinyurl.com/2p9ysave



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IT Bombay

Date: 15/May/2021

This is to certify that **Ms. Shambhavi Pataskar**, Undergraduate student of Vidyalankar Institute of Technology, Wadala, Mumbai of Biomedical Engineering Department participated and contributed to the project titled **Blood Group Analysis using Image Processing Techniques** in our institute under my guidance and supervision.

External Guide's Signature

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प्रा. रोहित श्रीवास्तव Prof. Rohit Srivastava विभागाध्यक्ष/Head जैव विज्ञान एवं जैव अभियांत्रिकी विभाग Department of Biosciences & Bioengineering IIT Bombay/भा. प्रो. स. मुंबई, पवई/Powai मुंबई/Mumbai - 400 076 भारत INDIA



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IIT Bombay

Date: 15/May/2021

This is to certify that **Ms. Hrutuja Nipanikar**, Undergraduate student of Vidyalankar Institute of Technology, Wadala, Mumbai of Biomedical Engineering Department participated and contributed to the project titled **Blood Group Analysis using Image Processing Techniques** in our institute under my guidance and supervision.

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IIT Bombay

Date: 15/May/2021

This is to certify that **Mr. Amey More**, Undergraduate student of Vidyalankar Institute of Technology, Wadala, Mumbai of Biomedical Engineering Department participated and contributed to the project titled **IoT Based Smart Saline Bottle For Healthcare** in our institute under my guidance and supervision.

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IIT Bombay

Date: 15/May/2021

This is to certify that **Mr. Darshan Bhor**, Undergraduate student of Vidyalankar Institute of Technology, Wadala, Mumbai of Biomedical Engineering Department participated and contributed to the project titled **IoT Based Smart Saline Bottle For Healthcare** in our institute under my guidance and supervision.

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IIT Bombay

Date: 15/May/2021

This is to certify that **Mr. Mihir Tilak**, Undergraduate student of Vidyalankar Institute of Technology, Wadala, Mumbai of Biomedical Engineering Department participated and contributed to the project titled **IoT Based Smart Saline Bottle For Healthcare** in our institute under my guidance and supervision.

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**IIT Bombay** 

Date: 15/May/2021

This is to certify that **Mr. Heramb Gupta**, Undergraduate student of Vidyalankar Institute of Technology, Wadala, Mumbai of Biomedical Engineering Department participated and contributed to the project titled **Blood Group Analysis using Image Processing Techniques** in our institute under my guidance and supervision.

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Department of Biomedical Engineering ICCD Mini Project List

Academic Year 2020-21 (ODD SEM)

| Group No. | Roll No.   | Name of the Student    | Mini Project Domain | Academic Year 2020-21 (ODD SEM                    |  |
|-----------|------------|------------------------|---------------------|---------------------------------------------------|--|
| Group No. | KOII NO.   | Name of the Student    | ADCD/PCE            | Topic                                             |  |
|           | 18105A0008 | Praveena Vivekananthan |                     |                                                   |  |
| 1         | 18105A0012 | Kavitha Konar          | ADCD                | HEAT SENSOR USING IC555 TIMER                     |  |
| ı         | 18105A0022 | Trupti Oroskar         | ADCD                | HEAT SENSON USING ICSSS TIMEN                     |  |
|           | 18105A0028 | Akriti Sharma          |                     |                                                   |  |
|           | 18105A0027 | Ruchita Ajgaonkar      |                     |                                                   |  |
| 2         | 18105A0019 | Yash Rathod            | ADCD                | Removing High-Frequency Noise from an ECG Signal  |  |
| 2         | 18105A0011 | Viraj Chavan           | ADCD                | Removing High-Hequency Noise Holli all ECG Signal |  |
|           | 19105A2005 | Dipesh Mali            |                     |                                                   |  |
|           | 18105A0034 | Aryan Komare           |                     |                                                   |  |
| 3         | 18105A0016 | Kritik Shetty          | ADCD                | TV Remote Jammer Using IC555                      |  |
| 3         | 19105A2010 | Rashika Shetty         | ADCD                | TV Remote Janimer Osing (C333                     |  |
|           | 15105A0050 | Omkar Sankhe           |                     |                                                   |  |
| 4         | 17105A0039 | Smiti Sibasankar Patro | ADCD                | Chaser circuit without switch                     |  |
| 4         | 17105A0032 | Richa Bharat Bhave     | ADCD                | Chaser circuit without switch                     |  |
| 5         | 14105A0037 | ANKIT NAGVEKAR         | PCE                 | AMPLITUDE MODULATION                              |  |
|           | 18105A0036 | Ishan Vatsaraj         |                     | Traffic Light Signal Control                      |  |
| 6         | 18105A0045 | Hrishikesh Shetty      | ADCD                |                                                   |  |
|           | 18105A0015 | Hrishikesh Surlekar    |                     |                                                   |  |
|           | 18105A0024 | Ishika M. Shirude      |                     |                                                   |  |
| 7         | 18105A0025 | Mamta D. Padmashali    | ADCD                | Stopwatch Using IC555                             |  |
|           | 18105A0044 | Swara S. Surve         |                     |                                                   |  |
| 8         | 18105A0009 | Purva Durugkar         | ADCD                | Missing Pulse Detector using IC555                |  |
|           | 18105A0021 | Vedant Shirsekar       |                     |                                                   |  |
|           | 18105A0014 | Sushant Kamble         |                     |                                                   |  |
| 9         | 18105A0031 | Shruti Chindarkar      | ADCD                | Low Power Audio Amplifier using 555 Timer         |  |
|           | 18105A0035 | Soham Urunkar          |                     |                                                   |  |
|           | 18105A0010 | Anagha Angadi          |                     |                                                   |  |
| 10        | 18105A0013 | Swarit Mahalsekar      | ADCD                | Automated Hearing Aids                            |  |
| 10        | 18105A0031 | Sanika Thakur          |                     | Automated Healing Alus                            |  |



### **Department of Biomedical Engineering**

Subject: Hospital Management Academic Year: Even Semester 2020-2021

#### **Tutorial 7**

Name of the Student: Hephzibah Johnson

**Roll No.** 17105A0019

#### **Virtual Tour to Reliance Hospital**

#### **Departments seen:**

- ICU
- O.T.
- Radiology
- CathLab
- Chemo
- Blood Bank
- Dialysis Room
- Casualty/Emergency
- OPD
- Wards/Rooms

#### **Equipments & Imaging Modalities seen:**

- 1. Simeon Medical OT lights: Helps Surgeons to get a clear view during surgery.
- 2. OT Table: Patient undergoing surgery is made to lie down.
- **3. GE Healthcare Anaesthesia Machine:** Patient is made to lose conscious during surgery. This machine monitors the delivery of anaesthetic gas to the patient
- 4. Philips Patient monitor: Monitors the vital parameter's of patient
- **5. Dressing trolley:** Carry's the essential items required inside an OT i.e. Cotton, gloves, sanitizer, etc.
- **6. B Braun Infusomat Infusion Pump:** Capable of delivering fluids in large or small amounts, and may be used to deliver nutrients or medications such as insulin or other hormones, antibiotics, chemotherapy drugs, and pain relievers.
- **7. Siemens Somatom Scope CT scan:** CT scans show a slice, or cross-section, of the body. The image shows your bones, organs, and soft tissues more clearly than standard x-rays. CT scans can show a tumor's shape, size, and location. This model helps to reduce radiation exposure and standardize the CT imaging process
- 8. Philips CT



### Department of Biomedical Engineering Subject: Hospital Management

**Academic Year: Even Semester 2020-2021** 

- **9. Philips MRI:** Health care professionals use MRI scans to diagnose a variety of conditions, from torn ligaments to tumors. MRIs are very useful for examining the brain and spinal cord.
- **10. Siemens Dimension EXL 200:** Gives you the power of both chemistry and immunoassay testing in a compact system ideal for smaller-sized laboratories.
- **11. Dialysis Machine:** A machine used in dialysis that filters a patient's blood to remove excess water and waste products when the kidneys are damaged, dysfunctional, or missing.

#### How many bedded hospital and what type of services are offered?

225 bed multispeciality hospital

### **Images**



#### **Link of Hospital**

Reliance Hospital Virtual Tours (reliancehospitals.com)

Subject Code: ECM401

Subject Name: Mini-Project 1B: Arduino & Raspberry Pi based Projects

Semester: IV

Course: EXTC

Name of Faculty: Mohit S. Gujar

| Sr. No | Name                                                    | Roll number | Project title                          |
|--------|---------------------------------------------------------|-------------|----------------------------------------|
| 1      | Anup Kanse                                              | 19104A0013  | Password based door lock               |
| 2      | Sonali Bedade                                           | 19104A0016  | Password based door lock               |
| 3      | Aditya Agashe                                           | 19104A0033  | Password based door lock               |
| 4      | Samruddhi Malawde                                       | 19104A0040  | Password based door lock               |
| 5      | Mihir Madkaikar 19104A0059 RFID based attendance system |             | RFID based attendance system           |
| 6      | Archit Dukhande                                         | 19104A0044  | RFID based attendance system           |
| 7      | Jayesh Kadam                                            | 19104A0057  | RFID based attendance system           |
| 8      | Madhusudan Naik                                         | 19104A0060  | RFID based attendance system           |
| 9      | Harish Karnam                                           | 19104A0045  | Home automation using ESP              |
| 10     | Balaji Durai Masanam                                    | 19104A0047  | Home automation using ESP              |
| 11     | Anurag Patil                                            | 19104A0036  | Home automation using ESP              |
| 12     | Pratik Kamble                                           | 19104A0048  | Home automation using ESP              |
| 13     | Tanmya Joshi                                            | 19104A0042  | Home automation using Blutooth display |
| 14     | Utkarsh Parab                                           | 19104A0064  | Home automation using Blutooth display |
| 15     | Krishna Hande                                           | 19104A0054  | Home automation using Blutooth display |
| 16     | Onkar Patil                                             | 19104A0039  | Home automation using Blutooth display |
| 17     | Rashmi Umap                                             | 19104B0001  | Electronic safe using arduino          |
| 18     | Maithili Ninawe                                         | 19104B0021  | Electronic safe using arduino          |
| 19     | Priyanka Vishe                                          | 19105A0021  | Electronic safe using arduino          |
| 20     | Yashika Devadiga                                        | 19104B0024  | Electronic safe using arduino          |
| 21     | Deepti Mote                                             | 19104A0067  | Home automation using manual switches  |
| 22     | Akshaj Raut                                             | 19104A0063  | Home automation using manual switches  |
| 23     | Govind Mundhe                                           | 19104A0069  | Home automation using manual switches  |
| 24     | Oj Uparkar                                              | 19103A0020  | Home automation using manual switches  |
| 25     | Piyush Gupta                                            | 19104A0008  | Smart gas leckage detection            |
| 26     | Priti Pore                                              | 19104A0028  | Smart gas leckage detection            |
| 27     | Nikunj Tandan                                           | 19104A0031  | Smart gas leckage detection            |

|    | T                 | 1          |                                        |
|----|-------------------|------------|----------------------------------------|
| 28 | Tabassum Shaikh   | 19104A0070 | Smart gas leckage detection            |
| 29 | Gaurav Gupta      | 19104B0043 | Dinasour Trex game                     |
| 30 | Gaurav Kanojia    | 19104B0053 | Dinasour Trex game                     |
| 31 | Dhiraj Mantri     | 19104B0052 | Dinasour Trex game                     |
| 32 | Parth Bhagdikar   | 18104B0058 | Dinasour Trex game                     |
| 33 | Pranav patil      | 20104A2018 | Temperature and Humidity detector      |
| 34 | Devraj Shigwan    | 20104A2013 | Temperature and Humidity detector      |
| 35 | Siddesh kadam     | 20104A2020 | Temperature and Humidity detector      |
| 36 | Druman patil      | 20104A2019 | Temperature and Humidity detector      |
| 37 | Utkarsh Gaikwad   | 19104B0019 | Rash driving detector                  |
| 38 | Abhirup Singh     | 19104B0023 | Rash driving detector                  |
| 39 | Harsh Khedwal     | 19104B0004 | Rash driving detector                  |
| 40 | Paresh Meher      | 19104B0009 | Rash driving detector                  |
| 41 | Aditi kahate      | 20104A2003 | Digital thermometer and Smoke Detector |
| 42 | Aditi Pokale      | 20104A2001 | Digital thermometer and Smoke Detector |
| 43 | Rujala Patil      | 20104A2006 | Digital thermometer and Smoke Detector |
| 44 | Ramya             | 20104A2010 | Digital thermometer and Smoke Detector |
| 45 | Priyanka Kokare   | 20104A2016 | Digital thermometer and Smoke Detector |
| 46 | Shubham Mainkatte | 19104A0010 | Morse Code                             |
| 47 | Chanchal Singh    | 19104A0002 | Morse Code                             |
| 48 | Abhishek Singh    | 19104A0001 | Morse Code                             |
| 49 | Sumit Raj         | 19104A0003 | Morse Code                             |
| 50 | Adwai shinde      | 20104B2006 | Home Automation using nodemcu          |
| 51 | Abhiraj Raghunath | 20104B2002 | Home Automation using nodemcu          |
| 52 | Makarand Revdekar | 20104B2005 | Home Automation using nodemcu          |
| 53 | Saurabh Chorge    | 20104B2010 | Home Automation using nodemcu          |
| 54 | Pranav Khatal     | 19104B0002 | Sway                                   |
| 55 | Shreyas Padghan   | 19104B0026 | Sway                                   |
| 56 | Rugved Kharbade   | 19104B0051 | Sway                                   |
| 57 | Srishti Sharma    | 19104B0027 | Sway                                   |
| 58 | Raghav kulkarni   | 19104A0079 | Social Distancing Device               |
| 59 | Nikhil Chelimala  | 19104A0027 | Social Distancing Device               |
| 60 | Ajay naik         | 19104A0077 | Social Distancing Device               |
| 61 | VAIBHAV Kamble    | 19104A0038 | Social Distancing Device               |
|    |                   |            |                                        |

| 62 Balira            | aja Nemade     | 19104A0068               | ESP32 data logger               |
|----------------------|----------------|--------------------------|---------------------------------|
| 63 Veda              | nt Raut        | 19104A0029               | ESP32 data logger               |
| 64 Shub              | ham Soman      | 19104A0004               | ESP32 data logger               |
| 65 Yajne             | esh Shetty     | 19104A0019               | ESP32 data logger               |
| 66 Malh              | ar Shenolikar  | 20104A2002               | Smart tracking system           |
| 67 Koma              | al Darade      | 20104A2014               | Smart tracking system           |
| 68 Shrut             | ti Karad       | 20104B2003               | Smart tracking system           |
| 69 Yash              | Sonawane       | 20104B2007               | Smart tracking system           |
| 70 Ashw              | vini Agawane   | 20104B2013               | Self driving electric car       |
| 71 Sona              | li Sonawane    | 20104A2008               | Self driving electric car       |
| 72 Vaibl             | navi Masurkar  | 20104A2009               | Self driving electric car       |
| 73 Prana             | ali Narkar     | 20104A2005               | Self driving electric car       |
| 74 Ashis             | h Choudhary    | 19104A0053               | Eldo health band                |
| 75 Karza             | an Kumana      | 19104A0050               | Eldo health band                |
| 76 Priya             | nka Kulkarni   | 19104A0012               | Eldo health band                |
| 77 Kavit             | a Tiwari       | 19104A0080               | Eldo health band                |
| 78 Sai K             | arande         | 20104B2008               | Laser security system           |
| 79 Ajay              | Patil          | 20104B2015               | Laser security system           |
| 80 Shrey             | yas Somani     | 20104B2009               | Laser security system           |
| 81 Aasth             | na Patil       | 20104A2021               | Laser security system           |
| 82 Ashis             | sh kumar       | 19104B0038               | Gas Leakage detection           |
| 83 Aksh              | ay yadav       | 19104B0040               | Gas Leakage detection           |
| 84 Amai              | rnath dharmure | 19104B0010               | Gas Leakage detection           |
| 85 Sami              | r patil        | 19104B0025               | Gas Leakage detection           |
| 86 Shrey             | as Sawant      | 19104A0085               | Digital notice board            |
| 87 Suyo              | g Chavan       | 19104A0051               | Digital notice board            |
| 88 Siddl             | ni Dumbre      | 19104A0076               | Digital notice board            |
| 89 Tanvi             | i Sawant       | 19104A0078               | Digital notice board            |
| 90 Neela             | am Bisht       | 19104B0006               | Farm automation                 |
| 91 Priti I           | Patankar       | 19104B0020               | Farm automation                 |
|                      | atarikar       |                          |                                 |
|                      | e Dhuri        | 19104B0011               | Farm automation                 |
| 92 Nitee             |                | 19104B0011<br>19104B0014 | Farm automation Farm automation |
| 92 Nitee<br>93 Saksh | e Dhuri        |                          |                                 |

|     | 1                   |                                 |                                              |
|-----|---------------------|---------------------------------|----------------------------------------------|
| 96  | Dhanashree Ghadge   | 20104A2012                      | Automatic irrigation                         |
| 97  | Swaraj Ballal       | 20104B2001 Automatic irrigation |                                              |
| 98  | Atharva Keshattiwar | 19104B0028                      | Password based door lock system              |
| 99  | Harsh Singam        | 19104B0029                      | Password based door lock system              |
| 100 | Shivam Bagade       | 19104B0013                      | Password based door lock system              |
| 101 | Piyush Chiwande     | 19104B0031                      | Password based door lock system              |
| 102 | Kinnari Bhalerao    | 19104A0022                      | Text to speech convertor                     |
| 103 | Kshitija Pudari     | 19104A0009                      | Text to speech convertor                     |
| 104 | Shefali Bala        | 19104A0058                      | Text to speech convertor                     |
| 105 | Pranjan Bhoyar      | 19104A0073                      | Text to speech convertor                     |
| 106 | Aditi singh         | 19104B0055                      | Temperature and Gas detection system         |
| 107 | Aaditi dange        | 19104B0008                      | Temperature and Gas detection system         |
| 108 | Ajay jadhav         | 19104B0035                      | Temperature and Gas detection system         |
| 109 | Nitin chiliveri     | 19104B0017                      | Temperature and Gas detection system         |
| 110 | Anuj Sonsurkar      | 19104B0045                      | Patient health monitoring system using ESP32 |
| 111 | Rudra Rane          | 19104B0049                      | Patient health monitoring system using ESP33 |
| 112 | Jay kadam           | 19104B0044                      | Patient health monitoring system using ESP34 |
| 113 | Utkarsh Vaykole     | 19104B0048                      | Patient health monitoring system using ESP35 |
| 114 | Shruti Shinde       | 19104A0014                      | Home automation using arduino                |
| 115 | Shivam Shukla       | 19104A0083                      | Home automation using arduino                |
| 116 | Kunal Pathania      | 19104A0071                      | Home automation using arduino                |
| 117 | Preshit Pawar       | 19104A0043                      | Home automation using arduino                |
| 118 | Aniket Babar        | 19104A0065                      | Obstacle avoiding robot                      |
| 119 | Aditya Dhage        | 19104A0052                      | Obstacle avoiding robot                      |
| 120 | Yash Gajare         | 19104A0037                      | Obstacle avoiding robot                      |
| 121 | Pranav Bhagiwant    | 19104A0046                      | Obstacle avoiding robot                      |
| 122 | Chirag Sonavale     | 19104B0046                      | Door alarm system                            |
| 123 | Shantanu Haralkar   | #N/A                            | Door alarm system                            |
| 124 | Anuj Gargote        | 19104B0047                      | Door alarm system                            |
| 125 | Pranjal Gaikwad     | 19104B0018                      | Door alarm system                            |
| 126 | Ganesh Pawar        | 20104A2017                      | lot based car parking system                 |
| 127 | Rushikesh Karande   | 20104A2015                      | lot based car parking system                 |
| 128 | Sonali Jadhav       | 19104A0084                      | lot based car parking system                 |
| 129 | Manish Borse        | 17104A0021                      | lot based car parking system                 |

|     | T                         | •          |                                               |
|-----|---------------------------|------------|-----------------------------------------------|
| 130 | Sumedh Badnore            | 19104A0074 | Neo Pixel LED controller using ESP32          |
| 131 | Mandar Palodkar           | 19104A0062 | Neo Pixel LED controller using ESP33          |
| 132 | Aniket Mate               | 19104A0041 | Neo Pixel LED controller using ESP34          |
| 133 | Ankit Singh               | 19104A0086 | Neo Pixel LED controller using ESP35          |
| 134 | Sadaf qureshi             | 20104B2017 | Solar MPPT charge controller                  |
| 135 | Mohammed Hasnain Rakhangi | 20104B2018 | Solar MPPT charge controller                  |
| 136 | Sohail shaikh             | 20104B2019 | Solar MPPT charge controller                  |
| 137 | Shoaib shaikh             | 20104B2020 | Solar MPPT charge controller                  |
| 138 | Tanay Gattani             | 19104B0054 | Dual axis solar tracker                       |
| 139 | Himanshi Jain             | 19104B0041 | Dual axis solar tracker                       |
| 140 | Neha Kumari               | 19103A0015 | Dual axis solar tracker                       |
| 141 | Kanishka Gupta            | 19104B0034 | Dual axis solar tracker                       |
| 142 | Nikita Pawar              | 17104B0033 | Car collision detection                       |
| 143 | Soham Chavan              | 20104B2021 | Car collision detection                       |
| 144 | Pallavi Pardeshi          | 18104B0029 | Car collision detection                       |
| 145 | Parimal Suryawanshi       | 19104B0015 | Car collision detection                       |
| 146 | Sujeet Singh              | 19104A0006 | Intellegent walking stick                     |
| 147 | Pratik Yadav              | 19104A0007 | Intellegent walking stick                     |
| 148 | Gaurav Rathod             | 19104A0005 | Intellegent walking stick                     |
| 149 | Anshika Ojha              | 18104A0058 | Intellegent walking stick                     |
| 150 | Shreyas Rasam             | 20104B2011 | Fire alarm system with bluetooth presentation |
| 151 | Anuj Shinde               | 20104B2016 | Fire alarm system with bluetooth presentation |
| 152 | Yash Mourya               | 20104A2023 | Fire alarm system with bluetooth presentation |
| 153 | Atharva Padekar           | 20104B2004 | Fire alarm system with bluetooth presentation |
| 154 | Rupesh Revankar           | 20104A2011 | Home automation system using Arduino          |
| 155 | Ritik Parab               | 20104B2012 | Home automation system using Arduino          |
| 156 | Chinmay Gaikwad           | 20104A2007 | Home automation system using Arduino          |
| 157 | Ayush Nagvekar            | 20104A2004 | Home automation system using Arduino          |
| 158 | Kshitij Magam             | 18104B0066 | Controlling lights using LDR                  |
| 159 | Nainish Bhaladhare        | 19104B0022 | Controlling lights using LDR                  |
| 160 | Navid Farooqui            | 19104A0055 | Controlling lights using LDR                  |
|     |                           |            |                                               |



# **Department of Information Technology IOE Mini-Projects**

| DR.SWATI SINHA |                |                    |                                     |  |  |
|----------------|----------------|--------------------|-------------------------------------|--|--|
|                | Details of Pro | ject Group members |                                     |  |  |
| Group<br>No.   | Roll Number    | Name               | Title of Mini-Project               |  |  |
|                | 17101C2025     | Tejashree Kasekar  |                                     |  |  |
| 2              | 18101C2047     | Reshmi Gund        | Door Lock using RFID                |  |  |
|                | 18101C2050     | Harshada Kokate    | -                                   |  |  |
|                | 17101A0006     | Sanika Raul        | Smart Agriculture System (Using IBM |  |  |
| 4              | 17101A0022     | Mayuresh Joshi     | CLOUD)                              |  |  |
|                | 17101A0017     | Allan Mascanrenhas |                                     |  |  |
|                | 18101C2020     | Ritwik Mukherjee   |                                     |  |  |
| 6              | 18101C2021     | Chaitanya Desai    | HELMET assistant parking            |  |  |
|                | 18101C2016     | Siddharth P        |                                     |  |  |
|                | 17101A0035     | Rishabh Jain       |                                     |  |  |
| 7              | 17101A0061     | Tejaswini Bhosle   | Event Management                    |  |  |
|                | 17104A0062     | Safal Dawankar     |                                     |  |  |
|                | 17101A0041     | Aniket Suryavanshi |                                     |  |  |
| 8              | 17101A0043     | Bhavika Gujare     | Health monitor system (Heart Beat)  |  |  |
|                | 17101A0046     | Shraddha Bijotkar  |                                     |  |  |
|                | 17101A0027     | Shubham Patil      |                                     |  |  |
| 9              | 17101A0030     | Neha Mayekar       | Smart shopping basket               |  |  |
|                | 17101A0033     | Shreya Pattewar    |                                     |  |  |
|                | 17101A0023     | Aditya Baravkar    |                                     |  |  |
| 10             | 17101A0011     | Rishabh Jaiswal    | Health Monitor System               |  |  |
|                | 17101A0015     | Jayesh Chhoriya    |                                     |  |  |
|                | 17101A0007     | Anurag Paradkar    |                                     |  |  |
| 11             | 17101A0010     | Rishikesh Gawde    | Smart Agriculture system            |  |  |
|                | 17101A0014     | Omkar Shinde       | Johnare Agriculture System          |  |  |
|                |                |                    |                                     |  |  |



# **Department of Information Technology IOE Mini-Projects**

|    | T           |                     |                                         |  |
|----|-------------|---------------------|-----------------------------------------|--|
|    | 16101A0037  | Shivani Shirole     |                                         |  |
|    | 17101A0009  | Shripad Kulkarni    |                                         |  |
| 12 | 17101A0013  | Vaibhavi Prabhulkar | Smart Weather monitoring                |  |
|    | 17101B0054  | Aditi Samant        | _                                       |  |
|    | 17101A0045  | Anish Kumar         |                                         |  |
| 13 | 17101A0055  | Aishwarya Utale     | Attendance management                   |  |
|    | 17101A0063  | Eshika Khandelwal   |                                         |  |
|    | 17101A0024  | Sahil Mirgal        |                                         |  |
| 14 | 17101A0025  | Shubham Desai       | Smart Garbage Monitoring System         |  |
|    | 17101A0021  | Ameya Pawar         |                                         |  |
|    | 17101A0026* | Shubham Patole      |                                         |  |
| 15 | 17101A0031  | Siddhesh Kanse      | Smart Home Automation                   |  |
|    | 17101A0039  | Siddhesh Todkar     | -                                       |  |
|    | 17101A0038  | Shashwat Pandya     |                                         |  |
| 16 | 17101A0050  | Saurabh Naik        | Smart weather Monitoring System         |  |
|    | 17101A0056  | Atharva Gadiwan     |                                         |  |
|    | 15101B0045  | Abhijeet Adasul     |                                         |  |
| 17 | 15101B0018  | Rajesh Thorat       | Toll Collection System                  |  |
|    | 16101B0070  | Onkar Salunke       |                                         |  |
| 18 | 18101C2018  | Mohit Kejriwal      |                                         |  |
| 10 | 18101C2022  | Naman Vyas          | Alcohol Detection                       |  |
|    | 18101C2035  | Rishikesh Gorule    |                                         |  |
|    | 18101C2010* | Prathamesh Chavan   |                                         |  |
| 19 | 18101C2004  | Ganesh Dongre       | Body Temperature Screening System       |  |
|    | 18101C2005  | Yash Anjara         |                                         |  |
|    | 18101C2007  | Neha Gunjal         |                                         |  |
| 20 | 18101C2036  | Tariq Shaikh        | 1                                       |  |
|    | 13118C0037  | Chinmay Ketkar      | Home automation system                  |  |
|    | 14101C2030  | Rohit Tanaji        |                                         |  |
|    |             | Kaustubh            |                                         |  |
| 22 | 18101C2026  | Chendavankar        | IOE based flood monitoring and alerting |  |
| 22 | 18101C2030  | Yadynesh Nandane    | system                                  |  |
|    | 18101C2032  | Saurabh Phansekar   |                                         |  |
|    | 17101A0066  | Jay Kadam           |                                         |  |
| 24 | 17101A0067  | Saurabh Takle       | Rock Paper Scissor                      |  |
|    | 17101A0069  | Amogh Warkhandkar   |                                         |  |
| 25 | 16101B0015  | Shriraj Desai       | Social Distancing indicator             |  |



# **Department of Information Technology IOE Mini-Projects**

|    | 16101B0025 | Shrey Mathur        |                                      |  |
|----|------------|---------------------|--------------------------------------|--|
|    | 17101B0013 | Kalpesh Tated       |                                      |  |
|    |            |                     |                                      |  |
|    | 18101B2012 | Prem Vaity          |                                      |  |
| 26 | 18101C2003 | Yogita Jatla        | Fire Detection                       |  |
|    | 18101C2044 | Monika Badugu       |                                      |  |
|    | 17101A0048 | Nupoor              |                                      |  |
| 27 | 17101A0049 | Neha Adular         | Smart gardening system using Arduino |  |
|    | 17101A0037 | Aniket singh        |                                      |  |
|    | 17101A0044 | Omkar bambhre       |                                      |  |
| 28 | 16101A000  | Shubham Surve       | RFID attendance System               |  |
|    | 17101A0070 | Janhavi Ghuge       |                                      |  |
| 29 | 15101A0058 | Namrata Nerkar      | Smart Irrigation                     |  |
| 29 | 17101A0020 | Vibha Sanap         | Siliait irrigation                   |  |
|    | 18101C2009 | Priyanka Dhatrak    |                                      |  |
| 30 | 18101C2038 | Harshal Shirke      | Automatic Door opener                |  |
|    | 18101B2013 | Tooba Ansari        |                                      |  |
|    | 181012055  | Akash Singh         |                                      |  |
| 31 | 18101C2059 | Siddhesh Kshirsagar | Lab Components Issuing System        |  |
|    | 18101C2058 | Anuja Kale          |                                      |  |

#### Summer Project Details 2020 Specialisation: Marketing

|       | Virginitarior Summer Project Details 2020  **Tild Virginitarior resiliate of Specialisation: Marketing  Specialisation: Marketing |                               |                                                                                            |                     |  |
|-------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------|---------------------|--|
| SR No | Accredited A+ by NAAC  Roll Number                                                                                                | Student Name                  | Summer Project Title                                                                       | Guide Name          |  |
| 1     | 19106A1064                                                                                                                        | Ronak Prashant Patil          | Growth of Esports in India                                                                 | Prof. Jay Bhatt     |  |
| 2     | 19106A1009                                                                                                                        | Prasad Prabhakar Parte        | A study on consumer buying behaviour at big bazaar                                         | Prof. Jay Bhatt     |  |
| 3     | 19106A1010                                                                                                                        | Siddhi Sawant                 | Analysis of the Store Layouts & Suggesting Category Wise Space Allocation                  | Prof. Jay Bhatt     |  |
| 4     | 19106A1016                                                                                                                        | Sandip Liladhar Nikam         | Consumer Buying Behavior In digital era before and after COVID                             | Prof. Jay Bhatt     |  |
| 5     | 19106A1022                                                                                                                        | Bhushan Volvoikar             | Impact of tourist perception and tourist satisfaction on destination Goa                   | Prof. Jay Bhatt     |  |
| 6     | 19106A1023                                                                                                                        | Akshay Bhaurao Tayade         | Marketing Strategies of Luxurious Vehicles: BMW Group (Rolls-Royce)                        | Prof. Jay Bhatt     |  |
| 7     | 19106A1031                                                                                                                        | Durvesh DwarkanathTamse       | A study on different marketing strategies related to social media                          | Prof. Jay Bhatt     |  |
| 8     | 19106A1034                                                                                                                        | Megha Jagdish Odhekar         | A study on sales promotion activities of volkswagen                                        | Prof. Jay Bhatt     |  |
| 9     | 19106A1038                                                                                                                        | Swarnim Vikas Dikshit         | Marketing Strategies By Grocery Apps During Lockdown                                       | Prof. Jay Bhatt     |  |
| 10    | 19106A1039                                                                                                                        | Rohan Ravi Suvarna            | A project on Advertising Strategies of Flipkart                                            | Prof. Jay Bhatt     |  |
| 11    | 19106A1040                                                                                                                        | Aishwarya Sawant              | Artificial Intelligence in Marketing                                                       | Prof. Jay Bhatt     |  |
| 12    | 19106A1044                                                                                                                        | Atif Anjum Akhtar Gavakhadkar | A Study on donation based crowdfunding                                                     | Prof. Jay Bhatt     |  |
| 13    | 19106A1046                                                                                                                        | Harsh Mody                    | Creating digital marketing campaign & measuring its effectiveness in Real Estate           | Prof. Jay Bhatt     |  |
| 14    | 19106A1047                                                                                                                        | Kunal Jhaveri                 | A study on social media marketing, innovations and client servicing                        | Prof. Jay Bhatt     |  |
| 15    | 19106A1048                                                                                                                        | Yash Vyas                     | Effects of Promotional Tools in Product Marketing                                          | Prof. Jay Bhatt     |  |
| 16    | 19106A1051                                                                                                                        | Sufyaan Abdus Samad Surve     | To study impact of humour in advertising                                                   | Prof. Jay Bhatt     |  |
| 17    | 19106A1052                                                                                                                        | Omkar Somnath Kakade          | Consumer Buying Behaviour in Automobile Industry                                           | Prof. Jay Bhatt     |  |
| 18    | 19106B1040                                                                                                                        | Sumedh Pradeepkumar Joshi     | Business Development for Online Clinic                                                     | Capt. Sachin Sawant |  |
| 19    | 19106A1054                                                                                                                        | Abhishek Nityanand Bhat       | Digital Marketing                                                                          | Prof. Jay Bhatt     |  |
| 20    | 19106A1060                                                                                                                        | Neha Sanjay Patil             | Understanding Shopping Behaviour Of Customer In A Premium Footwear Segment                 | Prof. Jay Bhatt     |  |
| 21    | 19106A1062                                                                                                                        | Uddhav Patankar               | Insights of Network/Multilevel Marketing                                                   | Prof. Jay Bhatt     |  |
| 22    | 19106B1015                                                                                                                        | Rohit Adekar                  | A Study and Analysis of Marketing Strategies adopted by OnePlus India                      | Prof. Jay Bhatt     |  |
| 23    | 19106B1021                                                                                                                        | Saloni Ubale                  | Pharmaceutical Industry Marketing in India                                                 | Prof. Jay Bhatt     |  |
| 24    | 19106B1023                                                                                                                        | Pratik Anil Chaudhari         | Effect of Covid-19 on Marketing Strategy of Automobile Industry                            | Prof. Jay Bhatt     |  |
| 25    | 19106B1029                                                                                                                        | Vilas Survase                 | Effect Of Advertisements On Children With Special Reference To Confectionery Products      | Prof. Jay Bhatt     |  |
| 26    | 19106B1030                                                                                                                        | Varun Yadav                   | A study on Marketing Mix of Notebooks of Tokyo Camlin LTD. With reference to Nagpur Region | Capt. Sachin Sawant |  |
| 27    | 19106B1035                                                                                                                        | Bhavana Sitaram Wagh          | A Study Of Social Media Marketing In India                                                 | Capt. Sachin Sawant |  |
| 28    | 19106B1041                                                                                                                        | Shravani Harish Mhatre        | Advertising in FMCG Sector                                                                 | Capt. Sachin Sawant |  |
| 29    | 19106B1043                                                                                                                        | Sagar Kate                    | Study of Effect of Online Sale on Consumer                                                 | Capt. Sachin Sawant |  |
| 30    | 19106B1044                                                                                                                        | Chinmay Pramod Mestry         | Digital marketing in retail                                                                | Capt. Sachin Sawant |  |
| 31    | 19106B1048                                                                                                                        | Shrikant Gangakishan Bale     | A Study On Digital Marketing In Apparel Industry                                           | Capt. Sachin Sawant |  |
| 32    | 19106B1049                                                                                                                        | Taha Mohammadi Lakdawala      | Importance of LinkedIn Marketing For B2B StartUps                                          | Capt. Sachin Sawant |  |
| 33    | 19106B1056                                                                                                                        | Nikhil Nimbalkar              | Brand Comparison Between Mint and Economic Times                                           | Capt. Sachin Sawant |  |
| 34    | 19106B1058                                                                                                                        | Yash Bagwe                    | A study on inbound marketing in the consumer product goods industry                        | Capt. Sachin Sawant |  |