



**Department of Computer Science and Engineering**

**Activity Name** : TWO DAYS HANDS ON TRAINING OF “INTERNET OF THINGS”

**Date** : 25/11/2024 TO 26/11/2024

**Time** : 9 am till 4.00 pm

**Venue** : 1<sup>ST</sup> Floor, Seminar Hall, Department of CSE

ACS College of Engineering

**No. of Participants** : 187

**Resource Persons** : Mr. Jagadeswaran R, Ms. Sushma, Mr. Ellangovan R and

Mr. Naveen Mugesh H,

Sr. Technical Engineer,

Enthu Technologies, Coimbatore, Tamilnadu

**Objective of the Course:**

1. To introduce participants to the fundamentals of IoT and embedded systems, with a focus on LoRa and LoRaWAN communication protocols.
2. To enable hands-on experience in interfacing sensors and actuators with Arduino and ESP32 for IoT applications.
3. To provide practical knowledge on data communication using LoRaWAN, cloud platform integration, and device-to-cloud communication.
4. To teach participants how to build simple IoT applications, such as LED control, environmental monitoring, and streetlight automation, using LoRaWAN.
5. To guide participants in using cloud platforms for remote monitoring, data visualization, and device control.

**Outcome of the Course:**

1. Understand IoT architecture, especially using LoRa and LoRaWAN for long-range communication.
2. Configure and register a LoRaWAN gateway on a cloud platform.
3. Interface and control devices such as LEDs, ultrasonic sensors, and temperature/humidity sensors using Arduino.
4. Send data from multiple sensors to a cloud platform using LoRaWAN for remote monitoring.
5. Create dashboards on cloud platforms for real-time data visualization.

6. Build a practical IoT application, such as a streetlight control system, using LoRaWAN and cloud integration.
7. Gain confidence in building and deploying IoT solutions with cloud connectivity for monitoring and control applications.

**Day 1 Session I:**

- a. Introduction about IoT & Embedded System
- b. IoT Applications
- c. Introduction to LoRa and LoRaWAN Communication
- d. LoRaWAN Architecture
- e. Software installation – Arduino IDE • Cloud Registration
- f. Gateway Configuration • How to Register the Gateway in Cloud Platform
- g. Software Explanation and LMIC Library Installation step

**Day 1 Session II:**

- a. Interfacing LED using Arduino uno
- b. LMIC Code Explanation
- c. Device registration in thingZmate Cloud
- d. LED Control via LoRaWAN
- e. Interfacing Ultrasonic Sensor using Arduino
- f. Activate Alarm System Using Ultrasonic Sensor's data push via LoRaWAN.
- g. Create a Dashboard

**Day 2 Session I:**

- a. Interfacing LED and Ultrasonic Sensor data push via LoRaWAN
- b. Interfacing DHT11 using Arduino
- c. Room temperature and Humidity Monitoring System
- d. Create a Dashboard
- e. Embedded protocol – I2C, SPI, UART
- f. Interface BH1750 using Arduino Uno

**Day 2 Sessions II:**

- a. Hands-On: Streetlight Controlling System
- b. Students Doubt Clarification

**Targeted Audience:** CSE students

**Number of Students Participated:** 187

**Organizing Committee:**

**Program Head:**

Dr. T. Senthil Kumaran

Prof. & HOD (CSE)

*[Handwritten Signature]*  
Name of the HOD  
Dept. of Computer Engg.  
ACS College of Engineering  
#207, Kambipura, Mysore Road, Bengaluru - 560 074.

**Program Coordinator:**

1. Mrs. Lakshmipriya, Assistant Professor/CSE
2. Mrs. Thamarai Selvi, Assistant Professor/CSE
3. Mrs. Divya P, Assistant Professor/CSE

**Lab In charge:**

1. Mr. Lokesh, Tutor
2. Mr. Rajesh, Lab Instructor
3. Mrs. Samatha, Lab Instructor

**ACS COLLEGE OF ENGINEERING**  
#207, Kambipura, Mysore Road, Bengaluru - 560 074.  
Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi, Govt. of Karnataka

*Two day Hands on Training of*  
**INTERNET OF THINGS**  
*In Collaboration With*  
**ENTHU TECHNOLOGIES COIMBATORE**

**Chief Patron**  
**Dr. A.C.Shanmugam**  
B.A., LL.B., FIMSA, FRCPs (Glasgow, UK)  
Founder Chancellor & Chairman  
RajaRajeswari Group of Institutions

**Co-Patron**  
**Sri. A.C.S Arun Kumar**  
B.Tech (Hons.), IIMBTL, MIEE, IUKI, IIMCSE,  
MIEE, INCE, MISTE, Eng (India)  
President  
RajaRajeswari Group of Institutions

**enthutech®**  
*Organized by:*  
**Department of Computer Science & Engineering**

**Date: 25<sup>th</sup> - 26<sup>th</sup> Nov 2024 Time: 09:00 AM - 04:00 PM Venue : 1<sup>st</sup> Floor, Seminar Hall**

**Dr. S.Vijayanand, M.Tech., Ph.D**  
Executive Director, RRG  
**Sri. C.N.Seetharam, IAS (Retd.)**  
Chief Executive Officer, RRG  
**Prof. Dr.S.Jeyabalan., Ph.D**  
Special Officer, RRG

**Dr. A.K.Mariyappan**  
Rector, ACSCE  
**Dr. Anandthiritha B Gudi**  
Principal, ACSCE  
**Dr.S.Usha**  
Vice Principal, ACSCE  
**Dr. Senthil Kumaran T**  
HOD, Dept. of CSE









**ACS**  
College of Engineering



**Department of Computer Science and Engineering**

**2024-25 Odd-Semester**

**5<sup>th</sup> SEM (A) Student IOT Training List**

| Sl. No | USN        | Name of the Students     | sign                     |
|--------|------------|--------------------------|--------------------------|
| 1.     | 1AH22CS001 | ABDUL ALEEM              | Abdul Aleem              |
| 2.     | 1AH22CS002 | ABHISHEK BIRADAR         |                          |
| 3.     | 1AH22CS003 | ABHISHEK K               |                          |
| 4.     | 1AH22CS004 | AISHWARYA K K            | Aishwarya K K            |
| 5.     | 1AH22CS005 | AISIRI N                 | Aisiri N                 |
| 6.     | 1AH22CS006 | AJAI AARUMUGUM M         |                          |
| 7.     | 1AH22CS007 | AJAY M                   | Ajay M                   |
| 8.     | 1AH22CS008 | AJAY TEJAAS              |                          |
| 9.     | 1AH22CS009 | AKAASH M S               | Akash M S                |
| 10.    | 1AH22CS010 | AKASH B A                |                          |
| 11.    | 1AH22CS011 | AKASH M                  |                          |
| 12.    | 1AH22CS012 | AMITH K R                | Amith K R                |
| 13.    | 1AH22CS013 | ANANT RAJ                | Anant Raj                |
| 14.    | 1AH22CS014 | ANKITHA K D              | Ankitha K D              |
| 15.    | 1AH22CS015 | ANSH JAMWAL              | Ansh Jamwal              |
| 16.    | 1AH22CS016 | ARCHANA M                | Archana M                |
| 17.    | 1AH22CS017 | ARUN H                   | Arun H                   |
| 18.    | 1AH22CS018 | ARUNA L                  | Aruna L                  |
| 19.    | 1AH22CS019 | ASHIKA P                 | Ashika P                 |
| 20.    | 1AH22CS020 | ASHWIN S                 | Ashwin S                 |
| 21.    | 1AH22CS021 | ASHWINI SHIDHALINGAPPA   | Ashwini                  |
| 22.    | 1AH22CS022 | BHAGYALAXMI SURYAKANT    | Bhagyalaxmi              |
| 23.    | 1AH22CS023 | BHARATH GOWDA N          | Bharath N.               |
| 24.    | 1AH22CS024 | BHOOMI E GOPADE          | Bhoomi E                 |
| 25.    | 1AH22CS025 | BHUMIKA K P              | Bhumika K P              |
| 26.    | 1AH22CS026 | BHUVAN K S               | Bhuvan K S               |
| 27.    | 1AH22CS027 | BIJJALA RAJA S K         | Bijjala Raja S K         |
| 28.    | 1AH22CS028 | BINDHU J M               | Bindhu J M               |
| 29.    | 1AH22CS029 | CHAITHANYA B D           | Chaithanya B D           |
| 30.    | 1AH22CS030 | CHAITHANYA K             | Chaithanya K             |
| 31.    | 1AH22CS031 | CHAITRHA B S             | Chaitrha B S             |
| 32.    | 1AH22CS032 | CHANDAN KARTHIK M        | Chandan Kartik M         |
| 33.    | 1AH22CS033 | CHANDRA CHOODA S ARADHYA | Chandra Chooda S Aradhya |
| 34.    | 1AH22CS034 | CHANNABASAVA             | Channabasava             |
| 35.    | 1AH22CS035 | CHARAN N                 | Charan N                 |
| 36.    | 1AH22CS036 | CHETAN KOPARDE           | Chetan Koparde           |

|     |             |                         |                              |
|-----|-------------|-------------------------|------------------------------|
| 37. | 1AH22CS037  | CHEZHAN G S             | Chethan G S                  |
| 38. | 1AH22CS038  | CHEZHAN S               | <del>Chethan S</del>         |
| 39. | 1AH22CS039  | CHEZHAN V               | <del>Chethan V</del>         |
| 40. | 1AH22CS040  | CHIDHIVILA M            | <del>Chidhivila M</del>      |
| 41. | 1AH22CS041  | CHIRANTH H C            | <del>Chiranth H C</del>      |
| 42. | 1AH22CS042  | DARSHAN L               | Darshan L                    |
| 43. | 1AH22CS043  | DARSHINI M L            | Darshini M L                 |
| 44. | 1AH22CS044  | DEEPIKA LAKSHMI S       | Deepika Lakshmi S            |
| 45. | 1AH22CS045  | DEEPITH N               | Deepith N                    |
| 46. | 1AH22CS046  | DHANUSH S               | Dhanush S                    |
| 47. | 1AH22CS047  | DILIP S                 | Dilip S                      |
| 48. | 1AH22CS048  | DISHA GOPAL             | Disha Gopal                  |
| 49. | 1AH22CS049  | DIYA P S                | Diya P S                     |
| 50. | 1AH22CS050  | GAGAN B M               | Gagan B M                    |
| 51. | 1AH22CS051  | GAGAN S                 | Gagan S                      |
| 52. | 1AH22CS052  | GAGANA MR               | Gagana MR                    |
| 53. | 1AH22CS053  | GANESH PRASAD S TAVARER | Ganesh Prasad S Tavarer paid |
| 54. | 1AH22CS054  | GANESHKUMAR BIJJAL      | Ganesh Kumar Bijjal paid     |
| 55. | 1AH22CS055  | GIRIJA HALAGALI         | Girija Halagali              |
| 56. | 1AH22CS056  | H H PRASID              | H H Prasad                   |
| 57. | 1AH22CS057  | HARSHIL R               | Harshil R paid               |
| 58. | 1AH22CS058  | HARSHITH GOWDA H        | Harshith Gowda H             |
| 59. | 1AH22CS059  | HARSHITH K T            | Harshith K T                 |
| 60. | 1AH22CS060  | HEMANTH NAIK S          | Hemant N S                   |
| 61. | 1AH22CS061  | JAYANTH R               | Jayanth R                    |
| 62. | 1AH22CS062  | JAYASHREE H U           | Jayashree H U paid           |
| 63. | 1AH22CS063  | K BALAJI                | K Balaji                     |
| 64. | 1AH23CS0400 | AKASH B A               | Akash B A                    |
| 65. | 1AH23CS0401 | ANJALI N                | Anjali N                     |
| 66. | 1AH23CS0402 | BHOOMIKA R              | Bhoomika R                   |
| 67. | 1AH23CS0403 | CHANDAN G               | Chandan G                    |
| 68. | 1AH23CS0404 | CHEZHAN M               | Chethan M                    |

Faculty Incharge

HOD, CSE



**Department of Computer Science and Engineering**

**2024-25 Odd-Semester  
5<sup>th</sup> SEM (C) Student IOT Training List**

| Sl. No | USN        | Name of the Students      | 27/11/2024 |            | 28/11/2024 |     |
|--------|------------|---------------------------|------------|------------|------------|-----|
|        |            |                           | F/N        | A/F        | F/N        | A/F |
| 1.     | IAH22CS098 | MEGHANA                   | Meghana    | Meghana    |            |     |
| 2.     | IAH22CS129 | PUSHPA R                  | Pushpa R   | Pushpa R   |            |     |
| 3.     | IAH22CS130 | R RAM                     | Ram R      |            |            |     |
| 4.     | IAH22CS131 | RAGAVENDRA BIRADAR        | Ragavendra | Ragavendra |            |     |
| 5.     | IAH22CS132 | RAGHU V                   | Raghu V    | Raghu V    |            |     |
| 6.     | IAH22CS133 | RAGHUVEER G GOUDA         | Raghuveer  | Raghuveer  |            |     |
| 7.     | IAH22CS134 | RAJPANDITH                | Rajpandith | Rajpandith |            |     |
| 8.     | IAH22CS135 | RAKSHAK R NAIK            | Rakshak    | Rakshak    |            |     |
| 9.     | IAH22CS136 | RANGASWAMY C              | Rangaswamy | Rangaswamy |            |     |
| 10.    | IAH22CS137 | RANJITHA H N              |            |            |            |     |
| 11.    | IAH22CS138 | RANJITHA T                | Ranjitha   | Ranjitha   |            |     |
| 12.    | IAH22CS139 | RAQEEBA E NOOR            |            |            |            |     |
| 13.    | IAH22CS140 | RASHIKA N                 | Rashika    | Rashika    |            |     |
| 14.    | IAH22CS141 | RASHMI M                  | Rashmi     | Rashmi     |            |     |
| 15.    | IAH22CS142 | RESHMA B                  | Reshma     | Reshma     |            |     |
| 16.    | IAH22CS143 | SABANNA J                 | Sabanna    | Sabanna    |            |     |
| 17.    | IAH22CS144 | SACHIN ACHARYA            | Sachin     | Sachin     |            |     |
| 18.    | IAH22CS145 | SAHANA C KIRDI            | Sahana     | Sahana     |            |     |
| 19.    | IAH22CS146 | SANJAY PARASHURAM MARATHI | Sanjay     | Sanjay     |            |     |
| 20.    | IAH22CS147 | SANJEEV VIGHNESHWAR HEGDE | Sanjeev    | Sanjeev    |            |     |
| 21.    | IAH22CS148 | SATHISH GOWDA H B         | Sathish    | Sathish    |            |     |
| 22.    | IAH22CS151 | SHASHANK S                | Shashank   | Shashank   |            |     |
| 23.    | IAH22CS153 | SHASHANKGOUDA SANBAL      |            |            |            |     |
| 24.    | IAH22CS154 | SHASHANKGOWDA P           | Shashank   | Shashank   |            |     |
| 25.    | IAH22CS155 | SHIFA NAAZ                | Shifa      | Shifa      |            |     |
| 26.    | IAH22CS156 | SHRAVANI RANGANATH        | Shravani   | Shravani   |            |     |
| 27.    | IAH22CS157 | SHRINIDHI JAYANTH R       | Shrinidhi  | Shrinidhi  |            |     |
| 28.    | IAH22CS158 | SIDDESHWAR REDDY          | Siddeshwar | Siddeshwar |            |     |
| 29.    | IAH22CS159 | SINCHANA B                | Sinchana   | Sinchana   |            |     |
| 30.    | IAH22CS161 | SNEHA N                   | Sneha      | Sneha      |            |     |
| 31.    | IAH22CS162 | SONU V                    | Sonu       | Sonu       |            |     |
| 32.    | IAH22CS163 | SOUJANYA K S              | Soujanya   | Soujanya   |            |     |
| 33.    | IAH22CS164 | SPANDANA N S              | Spandana   | Spandana   |            |     |
| 34.    | IAH22CS165 | SRIDHAR                   | Sridhar    | Sridhar    |            |     |
| 35.    | IAH22CS166 | SRINATH M                 | Srinath    | Srinath    |            |     |



|     |            |                          |                     |                     |
|-----|------------|--------------------------|---------------------|---------------------|
| 36. | 1AH22CS167 | SUBRAHMANYA              | <del>Subrahma</del> |                     |
| 37. | 1AH22CS168 | SUHAS A S                | <del>Subrahma</del> | <del>Subrahma</del> |
| 38. | 1AH22CS169 | SUNIL S PATIL            |                     |                     |
| 39. | 1AH22CS170 | SURAJ B                  | <del>Ramya</del>    | <del>Ramya</del>    |
| 40. | 1AH22CS171 | SURAJ KUMAR RAWAL - D    | <del>SB</del>       | <del>SB</del>       |
| 41. | 1AH22CS174 | TANISHQ JAYANTH          | <del>Tanush</del>   | <del>Tanush</del>   |
| 42. | 1AH22CS175 | TANUSH CN                |                     |                     |
| 43. | 1AH22CS176 | TANUSHREE K.S            | <del>Tanush</del>   | <del>Tanush</del>   |
| 44. | 1AH22CS177 | TEJASWI S.R              | <del>Tejaswi</del>  | <del>Tejaswi</del>  |
| 45. | 1AH22CS178 | THANUSHREE V             | <del>Thanush</del>  | <del>Thanush</del>  |
| 46. | 1AH22CS179 | SAVITHA VK               | <del>Naveen</del>   | <del>Naveen</del>   |
| 47. | 1AH22CS180 | VAINAVI S                | <del>Naveen</del>   | <del>Naveen</del>   |
| 48. | 1AH22CS181 | VAISHNAVI                | <del>Naveen</del>   | <del>Naveen</del>   |
| 49. | 1AH22CS182 | VARUN SHANKAR M.U        | <del>Varun</del>    | <del>Varun</del>    |
| 50. | 1AH22CS183 | VASUDHA SHREE M          | <del>Vasudha</del>  | <del>Vasudha</del>  |
| 51. | 1AH22CS184 | VENKATESH BL             | <del>Venka</del>    | <del>Venka</del>    |
| 52. | 1AH22CS185 | VIDHYASHREE N            | <del>Vidya</del>    | <del>Vidya</del>    |
| 53. | 1AH22CS186 | VIGNESH KL               | <del>Vignesh</del>  | <del>Vignesh</del>  |
| 54. | 1AH22CS187 | VIKAS GOWDA              | <del>Vikas</del>    | <del>Vikas</del>    |
| 55. | 1AH22CS188 | VINAY KUMAR D            | <del>Vinay</del>    | <del>Vinay</del>    |
| 56. | 1AH22CS189 | VINAYAKA K.N             | <del>Vinay</del>    | <del>Vinay</del>    |
| 57. | 1AH22CS190 | VISWAS RAO               | <del>Viswas</del>   | <del>Viswas</del>   |
| 58. | 1AH22CS191 | YASHAS GOWDA             |                     |                     |
| 59. | 1AH22CS192 | YASHIN PATIL             | <del>Yashin</del>   | <del>Yashin</del>   |
| 60. | 1AH22CS193 | YOGARAJ                  | <del>Yogara</del>   | <del>Yogara</del>   |
| 61. | 1AH22CS194 | SINCHANA                 | <del>Sinch</del>    | <del>Sinch</del>    |
| 62. | 1AH22CS195 | SRAVINI NANDISH          | <del>Sravini</del>  | <del>Sravini</del>  |
| 63. | 1AH21CS053 | LIKITH                   |                     |                     |
| 64. | 1AH23CS408 | MALA GOUDA               | <del>Mala</del>     | <del>Mala</del>     |
| 65. | 1AH23CS412 | RAJASHEKAR               | <del>Rajash</del>   | <del>Rajash</del>   |
| 66. | 1AH23CS413 | RAKSHITA VENKATESH UPPAR | <del>Rakshita</del> | <del>Rakshita</del> |
| 67. | 1AH23CS414 | RAMYA GK                 | <del>Ramya</del>    | <del>Ramya</del>    |
| 68. | 1AH23CS415 | SINDHU NEELAKANTH NAIK   | <del>Sindh</del>    | <del>Sindh</del>    |
| 69. | AH23CS416  | SRIVISHNU                | <del>Srivish</del>  | <del>Srivish</del>  |
| 70. | AH23CS417  | VIJAYALAXMI R            | <del>Vijaya</del>   | <del>Vijaya</del>   |

## Department of Computer Science and Engineering

2024-25 Odd-Semester

5<sup>th</sup> SEM (B) Students Name List

| Sl No | USN        | Name of the Students   |
|-------|------------|------------------------|
| 1     | 1AH22CS064 | K MOHAMMED FARAZ       |
| 2     | 1AH22CS065 | K SNEHA                |
| 3     | 1AH22CS066 | K SPANDANA             |
| 4     | 1AH22CS067 | KALPAK K               |
| 5     | 1AH22CS069 | KARTHIK K P            |
| 6     | 1AH22CS070 | KASHINATH              |
| 7     | 1AH22CS071 | KAVERI H S             |
| 8     | 1AH22CS072 | KEERTHANKUMAR B M      |
| 9     | 1AH22CS073 | KEERTHANA B L          |
| 10    | 1AH22CS074 | KEERTHANA G K          |
| 11    | 1AH22CS075 | KEERTHANA R            |
| 12    | 1AH22CS076 | KIRAN M                |
| 13    | 1AH22CS077 | KIRAN TAKKODI          |
| 14    | 1AH22CS078 | KISHAN R               |
| 15    | 1AH22CS079 | KRUTHIKA GUDIMANI      |
| 16    | 1AH22CS080 | KUSHI R                |
| 17    | 1AH22CS081 | KUSUMA C               |
| 18    | 1AH22CS082 | LIKITHA V              |
| 19    | 1AH22CS083 | LISHA V                |
| 20    | 1AH22CS084 | M S SUKANYA            |
| 21    | 1AH22CS085 | MAHESH VATTI           |
| 22    | 1AH22CS086 | MANASA P R             |
| 23    | 1AH22CS087 | MANOHARI N             |
| 24    | 1AH22CS088 | MANOJ G                |
| 25    | 1AH22CS089 | MANOJ K                |
| 26    | 1AH22CS090 | MANOJ KUMAR S          |
| 27    | 1AH22CS091 | MANOJ S M              |
| 28    | 1AH22CS092 | MARWAN ZULFIKHAR AHMED |
| 29    | 1AH22CS093 | MAYANK TIWARI          |
| 30    | 1AH22CS094 | MAYANK MISHRA          |
| 31    | 1AH22CS095 | MAYANK SHEKHAR         |
| 32    | 1AH22CS096 | MAYUR S                |
| 33    | 1AH22CS097 | MEGHANA                |
| 34    | 1AH22CS099 | MEGHANA M              |
| 35    | 1AH22CS100 | MEGHANA M              |
| 36    | 1AH22CS101 | MEGHANA S              |
| 37    | 1AH22CS102 | MEGHANA S              |

Sneha

Spandan

Karthik

Kaveri

Keerthana

Keerthana

Keerthana

Kiran

Kishan

Kruthika

Kushi

Kusuma

Likitha

Lisha

Manasa

Manohari

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|    |            |                                |
|----|------------|--------------------------------|
| 38 | 1AH22CS103 | MOHAMMED SALMAN ALLAI          |
| 39 | 1AH22CS104 | MOHAMMAD SINAN M K             |
| 40 | 1AH22CS105 | MOHAMMED SAIFULLA              |
| 41 | 1AH22CS106 | MOHAN P                        |
| 42 | 1AH22CS108 | MONIKA                         |
| 43 | 1AH22CS109 | MONISH GOWDA M                 |
| 44 | 1AH22CS110 | MOURYA S                       |
| 45 | 1AH22CS111 | MUHAMMED NABEEL<br>MUSTHAF A   |
| 46 | 1AH22CS112 | MUKTHA N                       |
| 47 | 1AH22CS113 | MUSAIB FAYAZ BHAT              |
| 48 | 1AH22CS114 | NISHA P                        |
| 49 | 1AH22CS115 | NISHTHA SINGH                  |
| 50 | 1AH22CS116 | NITEENKUMAR                    |
| 51 | 1AH22CS117 | OAM HARIHARAN C                |
| 52 | 1AH22CS118 | PAVAN KUMAR C S                |
| 53 | 1AH22CS119 | PAVITHRA M                     |
| 54 | 1AH22CS120 | PRASHANTH G                    |
| 55 | 1AH22CS121 | PRASHANTHA FAKEERA<br>MADIVALA |
| 56 | 1AH22CS122 | PRATHIKSHA A H                 |
| 57 | 1AH22CS123 | PRAVEEN KUMAR                  |
| 58 | 1AH22CS124 | PRIYA P                        |
| 59 | 1AH22CS125 | PRIYANKA S                     |
| 60 | 1AH22CS126 | PRUTHVI                        |
| 61 | 1AH22CS127 | PUNEETH V                      |
| 62 | 1AH22CS128 | PUNYASHREE K S                 |
| 63 | 1AH22CS172 | SUSHMITHA                      |
| 64 | 1AH23CS405 | KISHORE KUMAR D C              |
| 65 | 1AH23CS406 | LISHA J N                      |
| 66 | 1AH23CS407 | MAHADEV SWAMY                  |
| 67 | 1AH23CS409 | MOHAMMED AYAAN.R               |
| 68 | 1AH23CS410 | NISARGA B R                    |
| 69 | 1AH23CS411 | RAHUL S                        |

M. Sinan

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M. Sinan

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Nitesh

Nitesh

Prashanth

Prashanth

Prashanth

Pruthvi

Puneeth

Kishore Kumar

Lisha

Nisarga B R

Rahul

800  
600  
1400

7

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*[Signature]*  
HOD, CSE

Dept. of C.S. & Engg.  
College of Engineering  
Bangalore - 560 074

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