



**AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S  
ANANTRAO PAWAR COLLEGE OF ENGINEERING & RESEARCH**

Sr. No. 103, Parvati, Pune - 411 009.

Tel.: 020-24218901/8959 Tele Fax : 020-24213929

Web.: <http://www.abmspcoerpune.org> Email : [abmspcoe@yahoo.com](mailto:abmspcoe@yahoo.com) • [office@abmspcoerpune.org](mailto:office@abmspcoerpune.org)



Approved by AICTE & Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University

DTE CODE :- EN 6794, AISHE CODE :- C-41484

Savitribai Phule Pune University Identification No. PU/PN/Engg. / 441/2012



## Criterion 2

**2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

### **2. Experiential Learning: Participation in competition at various level**

**For Real time exposure students are encouraged to participate at National and International Level**

| Sr. No. | Particular            | ACADEMIC YEAR | Page No. |
|---------|-----------------------|---------------|----------|
| 1       | Smart India Hackathon | 2023-2024     | 1-15     |

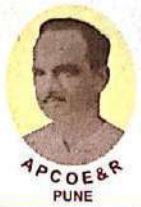


# AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S ANANTRAO PAWAR COLLEGE OF ENGINEERING & RESEARCH

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Accredited by



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DTE CODE :- EN 6794, AISHE CODE :- C-41484

Savitribai Phule Pune University id : CEGP019670



Ref : APCOER / office / 0386 / 2023-24

Date: 26/SEP/2023

Sub: Smart India Hackathon 2023 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2023.  
AICTE Application No / UGC Registration/ AISHE code No for our college is C-41484.

**Team: Bytotech**

|             | Name                           | Gender<br>M/F | Email Id                           | Mobile<br>N no. | Stream Year | Team<br>Leader |
|-------------|--------------------------------|---------------|------------------------------------|-----------------|-------------|----------------|
| Team Leader | Atharva<br>Digamber<br>Katurde | M             | Katurdeathu71@gmail.<br>com        | 9307674814      | TE          | Y              |
| Team Member | Soham<br>Vijay<br>Kolapkar     | M             | Sohamkolapka4@gmai<br>l.com        | 9307296260      | TE          | N              |
| Team Member | Bhakti<br>Bharat<br>Shinde     | F             | sbhaktishinde@gmail.c<br>om        | 8767928180      | TE          | N              |
| Team Member | Riya Girish<br>Kshirsagar      | F             | Riya.kshirsagar@gmail<br>.com      | 9822668997      | TE          | N              |
| Team Member | Zaid Jamir<br>Tamboli          | M             | Zaidtamboli646@gmai<br>l.com       | 8624031268      | SE          | N              |
| Team Member | Kunal<br>Bhausahab<br>Shinde   | M             | Ks2698861@gmail.co<br>m            | 8605203778      | TE          | N              |
| Mentor 1    | Prof. Anil<br>Lohar            | M             | Anil.lohar@abmospcoer<br>pune.org  | 88888 00362     |             | N              |
| Mentor 2    | Prof. Akash<br>Dodke           | M             | Akash.dodke@abmospco<br>erpune.org | 9096434266      | -           | N              |

*[Signature]*

SIH 2023 SPOC



*[Signature]*  
Principal



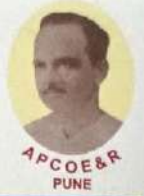


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I am pleased to nominate the below team from our college to participate in **Smart India Hackathon 2023**.  
AICTE Application No / UGC Registration/ AISHE code No for our college is **C-41484**.

**Team: Ackerman**

|             | Name                        | Gender<br>M/F | Email Id                           | Mobile<br>N no. | Stream Year    | Team<br>Leader |
|-------------|-----------------------------|---------------|------------------------------------|-----------------|----------------|----------------|
| Team Leader | Charudatta Sunil Thakare    | M             | charudattathakare1010@gmail.com    | 8237398490      | TE COMP        | Y              |
| Team Member | Samiksha Dnyaneshwar Gharge | F             | samikshag0660@gmail.com            | 7875820660      | TE COMP        | N              |
| Team Member | Sharvil D. Khade            | M             | Sharvilkhade99@gmail.com           | 9325209048      | TE COMP        | N              |
| Team Member | Kaif Gokak                  | M             | Kaifgokak@gmail.com                | 9284332569      | TE COMP        | N              |
| Team Member | Aliya Maneri                | F             | aaliyamaneri01@gmail.com           | 7066608379      | TE COMP        | N              |
| Team Member | Siddhant Waykaskar          | M             | siddhantwaykaskar@gmail.com        | 8446323916      | TE IT          | N              |
| Mentor 1    | Prof. Jitendra Musale       | M             | jitendra.musale@abmbspcoerpune.org | 7709224404      | Faculty Mentor | N              |
| Mentor 2    | Prof. Akash Dodke           | M             | Akash.dodke@abmbspcoerpune.org     | 9096434266      | -              | N              |

*[Signature]*  
SIH 2023 SPOC



*[Signature]*  
Principal



Akash Dodke &lt;akash.dodke@abmspcorpune.org&gt;

## Congratulations for being shortlisted for SIH 2023 Grand Finale

1 message

Smart India Hackathon &lt;sih@aicte-india.org&gt;

Fri, Dec 1, 2023 at 4:57 AM

Bcc: akash.dodke@abmspcorpune.org

Dear Team Leader,

Greetings from the Ministry of Education's Innovation Cell (MIC) and the All India Council for Technical Education (AICTE).

**Congratulations for being "SHORTLISTED" for the Grand Finale of Smart India Hackathon 2023.** The results can be checked on the website (<https://sih.gov.in/>) also and to confirm your participation a separate mail will be shared to you after announcement of result of all Problem Statements.

**Note:**

- Teams that are selected for multiple PS will be given option to select only 1 PS for grand finale and that functionality will be provided tentatively by **5<sup>th</sup> December 2023** over to your dashboard.

The Dates for the SIH Grand Finale are as follows:-

- SIH Software Edition: 19<sup>th</sup> to 20<sup>th</sup> December 2023
- SIH Hardware Edition: 19<sup>th</sup> to 23<sup>rd</sup> December 2023

Please check the detailed result in the link given below:-

[Smart India Hackathon 2023 \(sih.gov.in\)](https://sih.gov.in/)

Also check the allocated nodal center in the link given below:-

[Smart India Hackathon 2023 \(sih.gov.in\)](https://sih.gov.in/)

Thus you are requested to kindly start working on your prototype/Idea in the meantime. Any further information regarding SIH 2023 Grand Finale will be shared with you time to time and you are also advised to check the website regularly for further updates.

For any queries, feel free to contact our implementation team: **(For College SPOC only, Team can contact their SPOC first and then they can ping the SIH Implementation Team)**

<https://sih.gov.in/implementationteam>

Thanks and regards

**Note:** All Team Leaders are requested to check the result on the SIH website to confirm their shortlisted status for SIH Grand Finale, mere receiving this email does not guarantee the shortlisted status of any team.

Regards

Smart India Hackathon Team

Contact Us: +91 112958-1239/1240/1235

For more details visit [www.sih.gov.in](http://www.sih.gov.in)

Follow us on Instagram : [SIH](#) , Twitter : [SIH](#)

For details on other initiatives of AICTE visit <https://www.aicte-india.org/Initiatives>

For details on other initiatives of MIC visit <https://mic.gov.in/mic/>

|                                                                                   |                                                                                                                 |                        |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|
|  | <b>Akhil Bharatiya Maratha Shikshan Parishad's<br/>Anantrao Pawar College of Engineering &amp;<br/>Research</b> |                        |  |
|                                                                                   | <b>Record No.: ADM/D/036B</b><br><b>Revision: 00</b>                                                            | <b>DoI: 02/01/2023</b> |                                                                                     |
| <b>Internal Correspondence For Department</b>                                     |                                                                                                                 |                        |                                                                                     |

To,  
The Principal  
APCOER, Pune

Subject: Expenditure required to participate in Smart India Hackathon-2023, National level competition at Delhi and Bhopal.

Respected Sir,

We are happy to share you that, two teams from our institute are selected for **National level final round of Smart India Hackathon 2023** to present their solution at Delhi and Bhopal on 19<sup>th</sup>-20<sup>th</sup> December 2023. Now all out selected teams have to participate for National Competitions to compete at all India level.

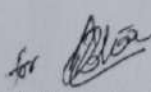
Following are the details of the expenditure required to participate in this competition.

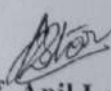
| Sr. No             | Particular                                  | Team-1 at Delhi<br>(Total team members-8) | Team-2 at Bhopal<br>(Total team members-7) |
|--------------------|---------------------------------------------|-------------------------------------------|--------------------------------------------|
| 1                  | College T-Shirt                             | 3200                                      | 2800                                       |
| 2                  | Food During train travelling (300 per head) | 4800                                      | 4200                                       |
| 3                  | Mentor's Ticket                             | 8000                                      | 3000                                       |
| 4                  | Miscellaneous                               | 1500                                      | 1500                                       |
| <b>Total</b>       |                                             | <b>17500/-</b>                            | <b>11500/-</b>                             |
| <b>Grand Total</b> |                                             | <b>29000/-</b>                            |                                            |

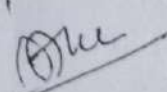
So we are requesting you to kindly sanction above mentioned expenditure required to participate in Smart India Hackathon 2023.

Thanking You,

Date: - 04/12/2023

for   
Prof. Jitendra Musale,  
(Mentor for Team Bhopal)

  
Prof. Anil Lohar,  
(Mentor for Team Delhi)

  
Prof. Akash Dodke,  
(SIH Coordinator)

**Congratulations for being shortlisted for SIH 2023 Grand Finale**

2 messages

Smart India Hackathon <sih@aicte-india.org>  
Bcc: akash.dodke@abmspcorpune.org

Fri, Dec 1, 2023 at 6:29 PM

Dear Team Leader,

Greetings from the Ministry of Education's Innovation Cell (MIC) and the All India Council for Technical Education (AICTE).

**Congratulations for being "SHORTLISTED" for the Grand Finale of Smart India Hackathon 2023.** The results can be checked on the website (<https://sih.gov.in/>) also and to confirm your participation a separate mail will be shared to you after announcement of result of all Problem Statements.

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For any queries, feel free to contact our implementation team: **(For College SPOC only, Team can contact their SPOC first and then they can ping the SIH Implementation Team)**  
<https://sih.gov.in/implementationteam>

Thanks and regards

**Note:** All Team Leaders are requested to check the result on the SIH website to confirm their shortlisted status for SIH Grand Finale, mere receiving this email does not guarantee the shortlisted status of any team.

Regards

Smart India Hackathon Team

Contact Us: +91 112958-1239/1240/1235

For more details visit [www.sih.gov.in](http://www.sih.gov.in)

Follow us on Instagram : SIH , Twitter : SIH

For details on other initiatives of AICTE visit <https://www.aicte-india.org/initiatives>For details on other initiatives of MIC visit <https://mic.gov.in/mic/>

A. K. Katurde <katurdeathu71@gmail.com>  
To: akash.dodke@abmspcorpune.org

Fri, Dec 1, 2023 at 8:22 PM

[Quoted text hidden]



DISCOVER ABOUT SIH ▾ GUIDELINES ▾ IMPLEMENTATION TEAM PROJECT IMPLEMENTATION

411009,MAHARASHTRA,PUNE 1/2 ^ v x

|     |                                     |         |          |       |       |                   |                          |        |                                                                                                                                                                                                                     |                        |                                                                    |
|-----|-------------------------------------|---------|----------|-------|-------|-------------------|--------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------|
| 525 | Ministry of coal                    | SIH1319 | Software | 36503 | 34260 | TeamPheonix       | ZAID KHAN                | 153211 | MUFFAKHAM JAM COLLEGE OF ENGINEERING & TECHNOLOGY,TELANGANA,HYDERABAD                                                                                                                                               | SELECTED               | Oriental Institute of Science and Technology,Madhya Pradesh,Bhopal |
| 526 | Ministry of coal                    | SIH1319 | Software | 6278  | 20179 | oracle            | SUSHANT SINGH            | 159397 | BUDDHA INSTITUTE OF TECHNOLOGY , GORAKHPUR,UTTAR PRADESH,GORAKHPUR                                                                                                                                                  | SELECTED               | Oriental Institute of Science and Technology,Madhya Pradesh,Bhopal |
| 527 | Ministry of coal                    | SIH1319 | Software | 20435 | 11032 | Team Mirage       | DHARMARAJ RENGE          | 139138 | BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR,MAHARASHTRA,KOLHAPUR                                                                                                                                          | SELECTED               | Oriental Institute of Science and Technology,Madhya Pradesh,Bhopal |
| 528 | Ministry of coal                    | SIH1319 | Software | 13739 | 47914 | Code Damn         | ARYAA SHARMA             | 103041 | MEDI-CAPS UNIVERSITY,MADHYA PRADESH,INDORE                                                                                                                                                                          | SELECTED               | Oriental Institute of Science and Technology,Madhya Pradesh,Bhopal |
| 529 | Ministry of coal                    | SIH1319 | Software | 28496 | 17509 | Ember             | OMKAR DEOTA              | 121503 | SHRI SHANKARACHARYA INSTITUTE OF PROFESSIONAL MANAGEMENT & TECHNOLOGY MUJGAHAN,CHHATTISGARH,RAIPUR                                                                                                                  | SELECTED               | Oriental Institute of Science and Technology,Madhya Pradesh,Bhopal |
| 530 | Ministry of coal                    | SIH1320 | Software | 20229 | 45766 | BRAINIACSZ        | AMIRTHA T                | 150192 | PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH,TAMIL NADU,COIMBATORE                                                                                                                                              | SELECTED               | Oriental Institute of Science and Technology,Madhya Pradesh,Bhopal |
| 531 | Ministry of coal                    | SIH1320 | Software | 6023  | 9504  | Incognito         | SANKARANARAYANAN G       | 150210 | SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY,TAMIL NADU,COIMBATORE                                                                                                                                             | SELECTED               | Oriental Institute of Science and Technology,Madhya Pradesh,Bhopal |
| 532 | Ministry of coal                    | SIH1320 | Software | 14888 | 14079 | Ackerman          | CHARUDATTA SUNIL THAKARE | 140936 | A.B.M.S.) AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S COLLEGE OF ENGINEERING & RESEARCH ADDRESS: S. NO. 103, SHAHU COLLEGE CAMPUS, PARVATI, TALUKA: PUNE CORPORATION AREA) DISTRICT: PUNE - 411009,MAHARASHTRA,PUNE | SELECTED               | Oriental Institute of Science and Technology,Madhya Pradesh,Bhopal |
| 533 | Ministry of coal                    | SIH1320 | Software | 17674 | 40613 | EcoSmart Devs     | TANYA SHEKHAWAT          | 103018 | SANJEEV AGARWAL GLOBAL EDUCATIONAL UNIVERSITY BHOPAL,MADHYA PRADESH,BHOPAL                                                                                                                                          | SELECTED FROM WAITLIST | Oriental Institute of Science and Technology,Madhya Pradesh,Bhopal |
| 534 | Ministry of coal                    | SIH1320 | Software | 17733 | 38931 | Last Bench Party  | AKARSH N                 | 128999 | M S RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE,KARNATAKA,BENGALURU URBAN                                                                                                                                            | SELECTED FROM WAITLIST | Oriental Institute of Science and Technology,Madhya Pradesh,Bhopal |
| 535 | Ministry of Commerce and Industries | SIH1356 | Software | 9574  | 5419  | WE BREW CODE      | LOGESWARI.S              | 150290 | SRI KRISHNA ARTS AND SCIENCE COLLEGE,TAMIL NADU,COIMBATORE                                                                                                                                                          | SELECTED               | Chandigarh Engineering College, Jhanjeri, Mohali,Punjab,Mohali     |
| 536 | Ministry of Commerce and Industries | SIH1356 | Software | 13333 | 7506  | dHexagon          | KAVIN P                  | 103425 | NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI,TAMIL NADU,TIRUCHIRAPPALLI                                                                                                                                        | SELECTED               | Chandigarh Engineering College, Jhanjeri, Mohali,Punjab,Mohali     |
| 537 | Ministry of Commerce and Industries | SIH1356 | Software | 37062 | 26180 | Tech Pirates      | RICHARDSON.D             | 149874 | SRM VALLIAMMAI ENGINEERING COLLEGE,TAMIL NADU,CHENGALPATTU                                                                                                                                                          | SELECTED               | Chandigarh Engineering College, Jhanjeri, Mohali,Punjab,Mohali     |
| 538 | Ministry of Commerce and Industries | SIH1356 | Software | 1811  | 3007  | Digital Defenders | R ARAVIND                | 132460 | AMRITA SCHOOL OF ENGINEERING, AMRITAPURI, KOLLAM,KERALA,KOLLAM                                                                                                                                                      | SELECTED               | Chandigarh Engineering Coll, Jhanjeri, Mohali,Punjab,Mohali        |
| 539 | Ministry of Commerce and Industries | SIH1356 | Software | 289   | 3391  | Sentilysis_T187   | SNEHA JAIN               | 164138 | TECHNO INTERNATIONAL NEW TOWN 187,WEST BENGAL,24 PARAGANAS NORTH                                                                                                                                                    | SELECTED               | Chandigarh Engineering College, Jhanjeri, Mohali,Punjab,Mohali     |
| 540 | Ministry of Commerce and Industries | SIH1356 | Software | 104   | 378   | Team Avengers     | MD RIZWAN MALIK          | 118217 | GMR INSTITUTE OF TECHNOLOGY GMRIT), GMR NAGAR, RAJAM, SRIKAKULAM DT.,-532127 CC-34)), ANDHRA PRADESH,SRIKAKULAM                                                                                                     | WILDCARD ENTRY         | Chandigarh Engineering College, Jhanjeri, Mohali,Punjab,Mohali     |
| 541 | Ministry of Commerce and Industries | SIH1356 | Software | 2571  | 23037 | aDDAMs            | ANURAG RAJ               | 103198 | C.V. RAMAN GLOBAL UNIVERSITY, ODISHA ,ODISHA,KHORDHA                                                                                                                                                                | WILDCARD ENTRY         | Chandigarh Engineering College, Jhanjeri, Mohali,Punjab,Mohali     |



DISCOVER ABOUT SIH ▾ GUIDELINES ▾ IMPLEMENTATION TEAM PROJECT IMPLEMENTATION

411009,MAHARASHTRA,PUNE 2/2 ^ v x

|      |                                                 |         |          |       |       |                   |                                    |        |                                                                                                                                                                                                                     |                        |                                                                                          |
|------|-------------------------------------------------|---------|----------|-------|-------|-------------------|------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------|
| 1245 | National Technical Research Organisation,(NTRO) | SIH1450 | Software | 35060 | 30879 | AlgoAlliance      | SADIK AMIN ATHANIKAR               | 139184 | KOLHAPUR INSTITUTE OF TECHNOLOGY'S COLLEGE OF ENGINEERING AUTONOMOUS), GOKUL-SHIRGAON ,MAHARASHTRA,KOLHAPUR                                                                                                         | WILDCARD ENTRY         | Amity University Uttar Pradesh, Noida,Uttar Pradesh,Noida                                |
| 1246 | National Technical Research Organisation,(NTRO) | SIH1451 | Software | 14486 | 14619 | SKY WALKERS       | GOKULE                             | 152124 | KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY,TAMIL NADU,TIRUCHIRAPPALLI                                                                                                                                          | SELECTED               | Noida Institute of Engineering and Technology, Greater Noida,Uttar Pradesh,Greater Noida |
| 1247 | National Technical Research Organisation,(NTRO) | SIH1451 | Software | 36819 | 43364 | Future Fits       | SAI SHASHANK BEDAMPETA             | 103429 | VELLORE INSTITUTE OF TECHNOLOGY, VELLORE,TAMIL NADU,VELLORE                                                                                                                                                         | SELECTED               | Noida Institute of Engineering and Technology, Greater Noida,Uttar Pradesh,Greater Noida |
| 1248 | National Technical Research Organisation,(NTRO) | SIH1451 | Software | 19965 | 35189 | ZERODAY DEFENDERS | ADIGARLA RAJA DURGA BHAVANI SANKAR | 118741 | SRKR ENGINEERING COLLEGE,ANDHRA PRADESH,WEST GODAVARI                                                                                                                                                               | SELECTED               | Noida Institute of Engineering and Technology, Greater Noida,Uttar Pradesh,Greater Noida |
| 1249 | National Technical Research Organisation,(NTRO) | SIH1451 | Software | 25775 | 17962 | BlockSecureX      | NANDINI KAPOOR                     | 103250 | CHITKARA UNIVERSITY, PATIALA,PUNJAB,PATIALA                                                                                                                                                                         | SELECTED               | Noida Institute of Engineering and Technology, Greater Noida,Uttar Pradesh,Greater Noida |
| 1250 | National Technical Research Organisation,(NTRO) | SIH1451 | Software | 14905 | 14970 | Bytotech          | ATHARVA DIGAMBER KATURDE           | 140936 | A.B.M.S.) AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S COLLEGE OF ENGINEERING & RESEARCH ADDRESS: S. NO. 103, SHAHU COLLEGE CAMPUS, PARVATI, TALUKA: PUNE CORPORATION AREA) DISTRICT: PUNE - 411009,MAHARASHTRA,PUNE | SELECTED               | Noida Institute of Engineering and Technology, Greater Noida,Uttar Pradesh,Greater Noida |
| 1251 | National Technical Research Organisation,(NTRO) | SIH1452 | Software | 3790  | 1238  | Ransom Aware      | CHRISTINA JOSEPH JYOTHULA          | 153348 | STANLEY COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN,TELANGANA,HYDERABAD                                                                                                                                           | SELECTED               | Noida Institute of Engineering and Technology, Greater Noida,Uttar Pradesh,Greater Noida |
| 1252 | National Technical Research Organisation,(NTRO) | SIH1452 | Software | 9039  | 33129 | Head-Hack         | NIRAJ BALWANI                      | 102705 | NATIONAL FORENSIC SCIENCES UNIVERSITY,GUJARAT,GANDHINAGAR                                                                                                                                                           | SELECTED               | Noida Institute of Engineering and Technology, Greater Noida,Uttar Pradesh,Greater Noida |
| 1253 | National Technical Research Organisation,(NTRO) | SIH1452 | Software | 31200 | 34498 | Zen_Byte          | MONISHA V                          | 103385 | BHARATHIAR UNIVERSITY, COIMBATORE,TAMIL NADU,COIMBATORE                                                                                                                                                             | SELECTED               | Noida Institute of Engineering and Technology, Greater Noida,Uttar Pradesh,Greater Noida |
| 1254 | National Technical Research Organisation,(NTRO) | SIH1452 | Software | 13079 | 49610 | Lemon             | PRAVIN ARJUN SHANKHAPAL            | 102611 | INDIAN INSTITUTE OF TECHNOLOGY BHILAI,CHHATTISGARH,RAIPUR                                                                                                                                                           | SELECTED               | Noida Institute of Engineering and Technology, Greater Noida,Uttar Pradesh,Greater Noida |
| 1255 | National Technical Research Organisation,(NTRO) | SIH1452 | Software | 5390  | 5297  | THREAT TERMINUS   | SUJITHA T                          | 149875 | ST. JOSEPH'S COLLEGE OF ENGINEERING,TAMIL NADU,CHENGALPATTU                                                                                                                                                         | SELECTED FROM WAITLIST | Noida Institute of Engineering and Technology, Greater Noida,Uttar Pradesh,Greater Noida |
| 1256 | National Technical Research Organisation,(NTRO) | SIH1453 | Software | 39947 | 42591 | Code Acer         | MOHAMMAD MERAJ                     | 131036 | ATME COLLEGE OF ENGINEERING, MYSORE,KARNATAKA,MYSURU                                                                                                                                                                | SELECTED               | Noida Institute of Engineering and Technology, Greater Noida,Uttar Pradesh,Greater Noida |
| 1257 | National Technical Research Organisation,(NTRO) | SIH1453 | Software | 24044 | 34486 | BitHeads          | ATHARVA KAREKAR                    | 142137 | A P SHAH INSTITUTE OF TECHNOLOGY, KOLHAPUR,MAHARASHTRA,PUNE                                                                                                                                                         | SELECTED               | Noida Institute of Engineering and Technology, Greater Noida,Uttar Pradesh,Greater Noida |



**SMART INDIA  
HACKATHON  
2023**

**#SIH Senior  
Software Edition**



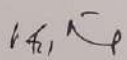
**Mentor**

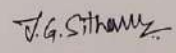
# Certificate

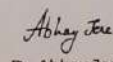
This Certificate is awarded to

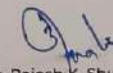
*Jitendra Chandrakant Musale*

for exceptional contribution as a Mentor in **Smart India Hackathon, 2023**

  
**Sh. K Sanjay Murthy**  
Secretary, Higher Education,  
Ministry of Education

  
**Prof. T. G. Sitharam**  
Chairman, AICTE  
Ministry of Education

  
**Dr. Abhay Jere**  
Vice Chairman AICTE &  
Chief Innovation Officer (CIO),  
Ministry of Education

  
**Dr. Rajesh K. Shukla**  
Director,  
Oriental Institute of  
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**SMART INDIA  
HACKATHON  
2023**

**#SIH Senior  
Software Edition**



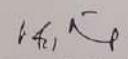
**Participation**

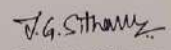
# Certificate

This Certificate is awarded to

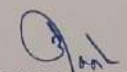
*Charudatta Sunil Thakare*

for participating in **Smart India Hackathon, 2023**

  
**Sh. K. Sanjay Murthy**  
Secretary, Higher Education,  
Ministry of Education

  
**Prof. T. C. Sitharam**  
Chairman, AICTE  
Ministry of Education

  
**Dr. Abhay Jere**  
Vice Chairman AICTE &  
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Ministry of Education

  
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SMART INDIA  
HACKATHON  
2023

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Participation

*Certificate*

This Certificate is awarded to

*Hiddhant Waykaskar*

for participating in Smart India Hackathon, 2023

Sh. K Sanjay Murthy  
Secretary, Higher Education,  
Ministry of Education

Prof. T. C. Sitharam  
Chairman, AICTE  
Ministry of Education

Dr. Abhay Jere  
Vice Chairman AICTE &  
Chief Innovation Officer (CIO),  
Ministry of Education

Dr. Rajesh K. Shukla  
Director,  
Oriental Institute of  
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Partner





AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S  
**ANANTRAO PAWAR COLLEGE OF ENGINEERING & RESEARCH**

Sr. No. 103, Parvati, Pune - 411 009.

Tel.: 020-24218901/8959/3929

Web.: <http://www.abmbspcoerpune.org> • Email : [office@abmbspcoerpune.org](mailto:office@abmbspcoerpune.org)



Approved by AICTE & Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University

DTE CODE :- EN 6794, AISHE CODE :- C-41484

Savitribai Phule Pune University id : CEGP019670



Ref.: APCOER/OFFICE/477/2023

|                              |                     |                       |
|------------------------------|---------------------|-----------------------|
| Record No.: <b>ACA/D/010</b> | Revision: <b>00</b> | Dol: <b>2/01/2023</b> |
|------------------------------|---------------------|-----------------------|

To,  
Mr. Swapnil Gajanan Mali;  
Asst. Professor;  
E&TC Department;  
COEP Technological University;  
Pune.

Subject: - **Invitation for Expert Lecture on "Maxwell's Equations"**.

Dear Sir,

We are pleased to invite you for Expert Lecture on "**Maxwell's Equations**", scheduled on 18<sup>th</sup> October 2023 in ABMSP's Anantrao Pawar College of Engineering and research Parvati, Pune. It is an honor and privilege to invite you as a **Subject Expert**.

We look forward to a positive confirmation and in hopes that our students will learn and gain insight from your shared experience.

Thanking You.

Date: 16/10/2023.

With warm Regards.

  
Prof. Sharad S. Jagtap  
Asst. Prof. E & TC, APCOER  
SPOC COEP

  
Dr. S. R. Deshpande  
Head E&TC  
APCOER, Pune

  
Dr. Sunil B. Thakare  
Principal  
APCOER, Pune



|                                                                                   |                                                                                                                   |                       |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------|
|  | <b>Akhil Bharatiya Maratha Shikshan Parishad's</b><br><b>Anantrao Pawar College of Engineering &amp; Research</b> |                       |  |
|                                                                                   | <b>Record No.:</b> ADM/D/035B<br><b>Revision:</b> 00                                                              | <b>DoI:</b> 2/01/2023 |                                                                                     |
| <b>Notice for Students</b>                                                        |                                                                                                                   |                       |                                                                                     |

## Notice

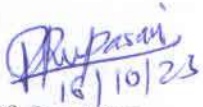
Date-16/10/20223

All third year students of Electronics and Telecommunication Engineering are hereby informed that Expert lecture for the subject: **Electromagnetic Field Theory (304182)** is scheduled on 18 October 2023.

**Note:** Attendance is mandatory for all students.

Details: **Venue:** T.E. Classroom

**Time:** 11:15 A.M.

  
16/10/23

Prof. Prachi Upasani  
Subject Teacher

  
16/10/2023

Dr. S.R. Deshpande  
Head, E&TC Dept.

|                                                                                   |                                                                                                             |  |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
|  | <b>Akhil Bharatiya Maratha Shikshan Parishad's<br/>Anantrao Pawar College of Engineering &amp; Research</b> |  |  |
| <b>Record No.: ACA/D/021<br/>Revision: 00</b>                                     | <b>DoI: 2/01/2023</b>                                                                                       |  |                                                                                     |
| <b>EVENT REPORT</b>                                                               |                                                                                                             |  |                                                                                     |

**Name of Event:** Expert lecture session on the topic "Maxwell's Equations" of the subject Electromagnetic Field Theory (EMFT).

**Date of Event:** 18/10/2023

**Time of event:** 11:15 A.M.

**Name of Event Coordinator:** Prof. Prachi Upasani

**Name of resource Person/ Speaker:** Mr. Swapnil Mali.

**Brief Introduction of Resource Person/Speaker (If Applicable):** Mr. Swapnil Mali Sir, currently working as Asst. Professor (EnTC) in COEP Technological University, Pune has completed his M. Tech in Wired & wireless communication from COEP, Pune. He is currently pursuing a PHD in Electronics & Telecommunication Engineering. He is Faculty Adviser at Ignited Innovators of India (i2i)

**Target Audience with count:** Total 27 students from T. E. (ENTC)

**Brief Description of Event:** All T.E. students were informed for an Expert lecture session. Prof. Sharad Jagtap gives Introduction of speaker. Prof. Swapnil Mali sir explained basic concepts of Electromagnetics. He explained details of the topic "Maxwell's Equations' ". He also gives a demo on how to solve problems using easy techniques and formulas. He also covered university question papers problems using PPT. He gives career guidance and explains opportunities in Electromagnetics. He promised to take another expert session in future.

**Event Schedule:**

| Sr. No. | Activity                                                      | Time                  |
|---------|---------------------------------------------------------------|-----------------------|
| 1.      | Introduction of Prof. Swapnil Mali Sir by Prof. Sharad Jagtap | 11:15 A.M.-11:30 A.M. |
| 2.      | Session on EMFT by Prof. Mali Sir                             | 11:30 A.M.-12:30 P.M. |
| s3.     | Short break                                                   | 12:30 P.M.-12:40 P.M. |
| 4.      | Session on career guidance                                    | 12:40 P.M.-1:15 P.M.  |
| 5.      | Vote of Thanks and Feedback                                   | 1:15 P.M.-1:30 P.M.   |
| 6.      | Refreshment and Informal Interaction                          | 1:30 P.M.-1:45 P.M.   |

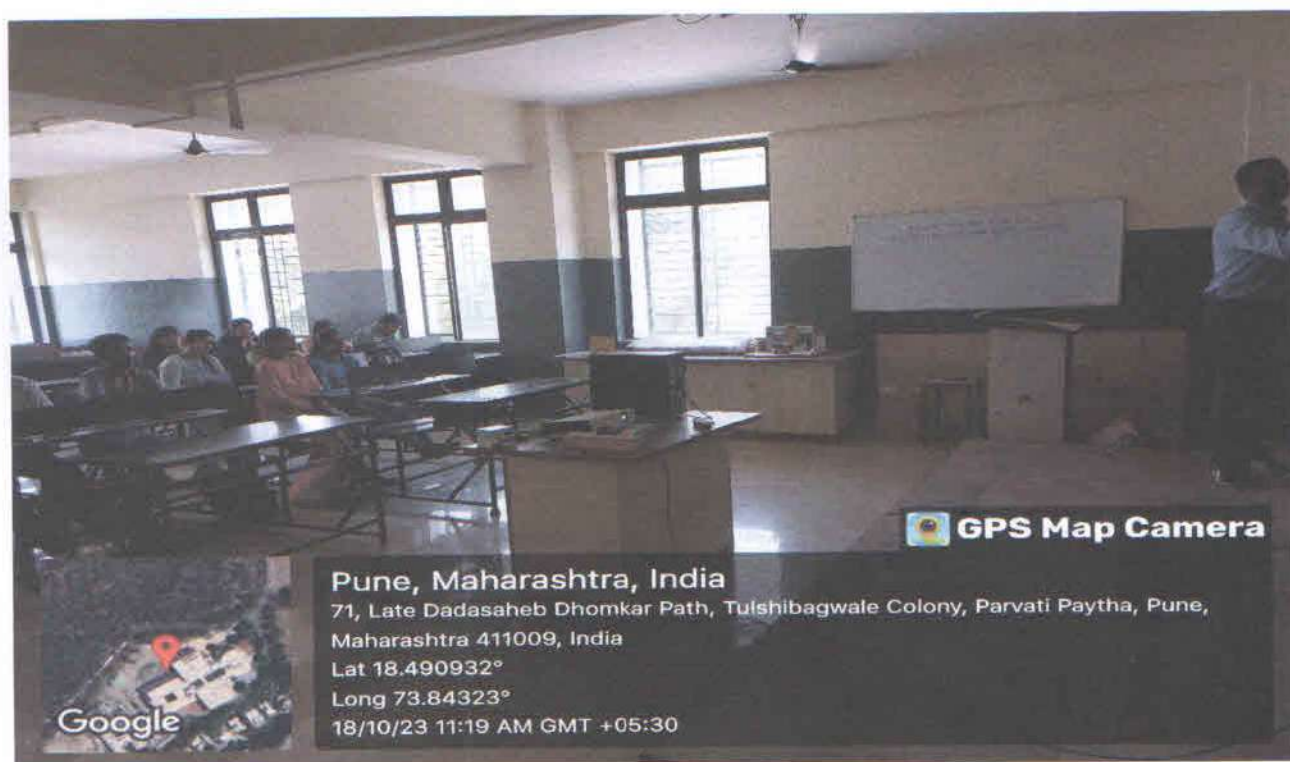
|                                                                                   |                                                                                                             |                       |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------|
|  | <b>Akhil Bharatiya Maratha Shikshan Parishad's<br/>Anantrao Pawar College of Engineering &amp; Research</b> |                       |  |
|                                                                                   | <b>Record No.: ACA/D/021<br/>Revision: 00</b>                                                               | <b>DoI: 2/01/2023</b> |                                                                                     |
| <b>EVENT REPORT</b>                                                               |                                                                                                             |                       |                                                                                     |

### Photographs:



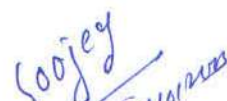
Prof. Swapnil Mali Sir interacting with students.

|                                                                                   |                                                                                                             |  |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
|  | <b>Akhil Bharatiya Maratha Shikshan Parishad's<br/>Anantrao Pawar College of Engineering &amp; Research</b> |  |  |
| <b>Record No.: ACA/D/021<br/>Revision: 00</b>                                     | <b>DoI: 2/01/2023</b>                                                                                       |  |                                                                                     |
| <b>EVENT REPORT</b>                                                               |                                                                                                             |  |                                                                                     |



Session by Prof. Mali sir.

  
**Prof. Prachi Upasani**  
Event Coordinator

  
**Dr. S. B. Deshpande**  
H.O.D. (EnTC Department)

  
**Dr. S. B. Thakare**  
Principal



**AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S  
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Approved by AICTE & Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University

DTE CODE :- EN-6794, AISHE CODE :- C-41484

Savitribai Phule Pune University id : CEGP019670



|                        |              |                |
|------------------------|--------------|----------------|
| Record No.: ACA/D/008D | Revision: 00 | DoI: 2/01/2023 |
|------------------------|--------------|----------------|

Ref.: APCOER/OFFICE/487/2023

## *Letter of Thanks*

To,

Mr. Swapnil Gajanan Mali,  
Asst. Professor,  
EnTC Department,  
COEP Technological University, Pune.

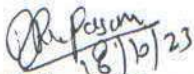
Respected Sir,

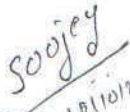
On behalf of Anantrao Pawar College of Engineering and Research, Electronics and Telecommunication Engineering Department, we would like to give our special thanks for gracing the Expert Lecture session on "Maxwell's Equations" for the subject EMFT on 18<sup>th</sup> October 2023. We are very glad and encouraged to listen to your lecture. We are sure that this knowledge conveyed by you is helpful for us.

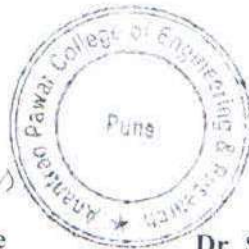
Thank you for giving your valuable time and sharing your knowledge with us. We hope you will extent your co-operation in future.

Thanking you,

Date: 18/10/2023

  
Prof. Prachi Upasani  
Subject Teacher

  
Dr. S.R. Deshpande  
Head, E & TC



  
Dr. S.B. Thakare  
Principal



**Akhil Bharatiya Maratha Shikshan Parishad's  
Anantrao Pawar College of Engineering & Research**



Record No.: ACA/R/015  
Revision: 00

Dol: 2/01/2023

**Participant's Attendance for Event**

Department: ENTC

Time: 11:15 AM

Name of Event: Expert Lecture on Subject EMFT

Date: 18/10/23

| Sr. No.         | Name of the Participant         | Signature of Participant |
|-----------------|---------------------------------|--------------------------|
| 4322            | Siddharth putli                 | <u>Sputli</u>            |
| 4313            | Yash Lad                        | <u>Yash</u>              |
| 4328            | Poonam Rokade                   | <u>P. Rokade</u>         |
| 4317            | Komal More                      | <u>Komal</u>             |
| 4336            | Yashraj Gaikwad                 | <u>Yashraj</u>           |
| 4306            | Atharva Date                    | <u>A. Date</u>           |
| 4318            | Harshal More                    | <u>H. More</u>           |
| 4302            | Swarnali Navendra Aramwaka      | <u>S. Aramwaka</u>       |
| 4303            | Rani Machindra Bangar           | <u>R. Bangar</u>         |
| 4304            | Saijyothi Subhash Bedar         | <u>S. Bedar</u>          |
| 4334            | Tejashmi shiraji Waghmode       | <u>T. Waghmode</u>       |
| 4309            | Ghawad Nikita Prakash           | <u>N. Ghawad</u>         |
| 4319            | More Trupti. Ravindra           | <u>T. More</u>           |
| <del>4327</del> | <del>Rithe Mrugaja Ramdas</del> | <del>R. Ramdas</del>     |
| 4330            | Shashinaga R. Adap              | <u>S. Adap</u>           |
| 4324            | Prerana Lole                    | <u>P. Lole</u>           |
| 4311            | Tilak kannadiar                 | <u>T. Kannadiar</u>      |

Date: 18/10/23

P.T.O

[Signature]  
18/10/23  
Event Coordinator

[Signature]  
19/10/23  
Head of Department

[Signature]  
Principal



AkhilBharatiya Maratha ShikshanParishad's  
AnantraoPawar College of Engineering & Research

Record No.: ACA/R/015  
Revision: 00

DoI: 2/01/2023



Participant's Attendancefor Event

Department: E<sub>NTC</sub>.

Name of Event: Expert lecture on Subject EMFT.

Time: 11:15 AM

Date: 18/10/23

| Sr. No.              | Name of the Participant  | Signature of Participant |
|----------------------|--------------------------|--------------------------|
| 4325                 | Rahul Zende              |                          |
| 4331                 | Anagha Shirke            |                          |
| <del>4323</del> 4323 | Vaishnavi, Prakash Pawar |                          |
| 4327                 | Mrugaja Rithe            |                          |
| 4305                 | Aniket Bhagat            |                          |
| 4301                 | Snehal Adiwankar         |                          |
| 4307                 | Arati Gaikwad            |                          |
| 4314                 | Fariha Khan              |                          |
| 4316                 | Hendora Rohini           |                          |
| 4332                 | Mukul Singh              |                          |
| 4320                 | Nehete Rupesh            |                          |
|                      |                          |                          |
|                      |                          |                          |
|                      |                          |                          |
|                      |                          |                          |
|                      |                          |                          |
|                      |                          |                          |
|                      |                          |                          |

Date: 18/10/23

18/10/23

Event Coordinator

19/10/23  
Head of Department

Principal  
19-10-23



Akhil Bharatiya Maratha Shikshan Parishad's  
Anantrao Pawar College of Engineering & Research



Record No.: ACA/R/008B  
Revision: 00

DoI: 2/01/2023

SPEAKER FEEDBACK

Name of Event Expert lecture on "EMFT"

Date: 18/10/23

Please indicate the extent to which you agree with the following statements:

Excellent (5) ☒ Very Good (4) ☐ Good (3) ☐ Average (2) ☐ Poor (1) ☐

1. Facilities to conduct the workshop are

| Excellent                           | Very Good                | Good                     | Average                  | Poor                     |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

2. You are likely conduct more seminars/workshops with us in the future,

| Strongly agree                      | Somewhat Agree           | Neutral                  | Disagree                 | Strongly Disagree        |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

3. Overall how would you rate participants of the seminar/workshop?

| Excellent                | Very Good                           | Good                     | Average                  | Poor                     |
|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

4. How organized was the event?

| Extremely organized      | Very organized                      | Somewhat organized       | Not so organized         | Not at all organized     |
|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

5. Do you think the event met its goals?

| Strongly agree                      | Somewhat Agree           | Neutral                  | Disagree                 | Strongly Disagree        |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Suggestions and Comments:

NO

|                                                                                   |                                                                                                 |                |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|
|  | Akhil Bharatiya Maratha Shikshan Parishad's<br>Anantrao Pawar College of Engineering & Research |                |  |
|                                                                                   | Record No.: ACA/R/008C<br>Revision: 00                                                          | Dol: 2/01/2023 |                                                                                     |
| <b>PARTICIPANT FEEDBACK</b>                                                       |                                                                                                 |                |                                                                                     |

Name of Event: Expert Lecture on Subject EMFT Date: 18-10-23 to 11.11.23

- |                                                          | Strongly Agree                                                                                                                    | Disagree | Strongly Disagree |   |   |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|---|---|
| 1. The content described was informative                 | 1                                                                                                                                 | 2        | 3                 | 4 | 5 |
| 2. The event was applicable to my work                   | 1                                                                                                                                 | 2        | 3                 | 4 | 5 |
| 3. I will recommend this event to other departments      | 1                                                                                                                                 | 2        | 3                 | 4 | 5 |
| 4. The program was well paced within the allotted time   | 1                                                                                                                                 | 2        | 3                 | 4 | 5 |
| 5. The instructor was a good communicator                | 1                                                                                                                                 | 2        | 3                 | 4 | 5 |
| 6. The material was presented in an organized manner     | 1                                                                                                                                 | 2        | 3                 | 4 | 5 |
| 7. The instructor was knowledgeable on the topic         | 1                                                                                                                                 | 2        | 3                 | 4 | 5 |
| 8. I would be interested in attending a more such events | 1                                                                                                                                 | 2        | 3                 | 4 | 5 |
| 9. With reference to the topic, was this event.          | <input type="checkbox"/> a. Too short <input checked="" type="checkbox"/> b. Right length <input type="checkbox"/> c. Too long    |          |                   |   |   |
| 10. In your opinion, was this event:                     | <input type="checkbox"/> a. Introductory <input checked="" type="checkbox"/> b. Intermediate <input type="checkbox"/> c. Advanced |          |                   |   |   |

11. Please rate the following:

- |                        | Excellent                | Very Good                           | Good                     | Fair                     | Poor                     |
|------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| a. Visuals             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Acoustics           | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Meeting space       | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Handouts            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. The program overall | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

12. What did you most appreciate/enjoy/think was best about the event? Any suggestions for improvement?

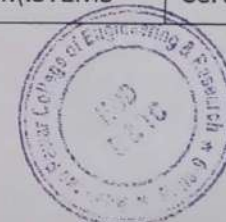
We appreciate the method of explanation of the each topic. It is easy to understand.

Project List with Guide and Domain

Class: BE E & TC

A.Y. 2023-24

| Sr No | Group No | Roll No | Name of student   | Name of Guide      | Project/ Paper Title                                             | Journal/Conference                                                                                                                                                              | Sponsorship company /Award                                                                                                                   |
|-------|----------|---------|-------------------|--------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | 1        | 4413    | Vaishnavi Ganjale | Prof. V.V. Bhimte  | Bomb Detection and Diffusion Robot                               | International Journal of Advance Research in Science ,communication and technology(IJARSCT),Vol 4,Issue 5,PP-431-439, April 2024<br>ISSN (Online):2581-9429<br>DOI:10.48175/568 | Omnitrix Technologies<br>Reg No 27AAECO0752G1ZL                                                                                              |
| 2     |          | 4415    | Shraddha Kale     |                    |                                                                  |                                                                                                                                                                                 |                                                                                                                                              |
| 3     |          | 4424    | Shruti Memane     |                    |                                                                  |                                                                                                                                                                                 |                                                                                                                                              |
| 4     | 2        | 4433    | Laxman Shinde     | Dr. A.B. Deshmukh  | Emergency Breaking System with Wireless EV Charging              | ICEST-2K24 International Conference on Engineering, Science and Technology                                                                                                      | Anashwar Technologies Pvt Ltd.,Pune                                                                                                          |
| 5     |          | 4409    | Samrudhi Dhamale  |                    |                                                                  |                                                                                                                                                                                 |                                                                                                                                              |
| 6     |          | 4427    | Akash Pawar       |                    |                                                                  |                                                                                                                                                                                 |                                                                                                                                              |
| 7     | 3        | 4417    | Ankita Kathane    | Prof. K.P. Jadhav  | Smart belt obstacle detection with voice output for blind person | International Journal of Advance Research in Science ,communication and technology(IJARSCT),Vol 4,Issue 1,PP-469-475, April 2024<br>DOI:10.48175/568                            | Omnitrix Technologies Reg No 27AAECO0752G1ZL                                                                                                 |
| 8     |          | 4406    | Sapna Chavan      |                    |                                                                  |                                                                                                                                                                                 |                                                                                                                                              |
| 9     |          | 4422    | Pallavi Makhare   |                    |                                                                  |                                                                                                                                                                                 |                                                                                                                                              |
| 10    | 4        | 4403    | Sakshi Bhosale    | Prof. Swati Gandhi | Automatic Library Robot System using IoT                         | International conference on Convergence :Uniting the world through IoT and AI Innovation<br>April 2024 ,ISBN :978-93-5493-555-8                                                 | Certificate of Participation<br>Kurukshtra 2K24 ,State level Technical Competition,COE,Phaltan,<br>Data Serve InfoTech Pvt.Ltd,Pune          |
| 11    |          | 4408    | Ashish Chillarge  |                    |                                                                  |                                                                                                                                                                                 |                                                                                                                                              |
| 12    |          | 4435    | Vikas Kambale     |                    |                                                                  |                                                                                                                                                                                 |                                                                                                                                              |
| 13    | 5        | 4431    | Salil Wadke       | Prof. S.M. Veer    | Agriculture Robot (Agribot)                                      | 1 <sup>st</sup> International conference on Innovative Sustainable Technologies for Energy, Mechatronics ans smart ystem(ISTEMS-                                                | Certificate of participation , Ignited Innovation of India(i2i),COEP Technical University<br>Certificate of participation ,TechPHILIA'24,MIT |
| 14    |          | 4434    | Pranav Shinde     |                    |                                                                  |                                                                                                                                                                                 |                                                                                                                                              |
| 15    |          | 4418    | Atharv Kelkar     |                    |                                                                  |                                                                                                                                                                                 |                                                                                                                                              |





## Project List with Guide and Domain

Class: BE E &amp; TC

A.Y. 2023-24

|    |   |      |                     |                        |                                                               |                                                                                                                                                                                 |                                                                                                                                                                  |
|----|---|------|---------------------|------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |   |      |                     |                        |                                                               | 2024)(IEEE sponsored in collaboration with Science and Engg. Research Board SERB, Govt. of India)<br>26&27 April, 2024                                                          | Academy of Engg. In association of ISA Pune and IEEE student branch.<br>Certificate of Appreciation, Maharashtra state innovation society(MSInS), Govt. of India |
| 16 | 6 | 4425 | Sanket Mohite       | Prof. A.A. Suryawanshi | PLC based chemical mixing system (Fertilizer)                 | International conference on Convergence :Uniting the world through IoT and AI Innovation<br>April 2024, ISBN :978-93-5493-555-8                                                 | Ether Technologies, The Magical Revolution, Pune                                                                                                                 |
| 17 |   | 4432 | Apeksha Shinde      |                        |                                                               |                                                                                                                                                                                 |                                                                                                                                                                  |
| 18 |   | 4416 | Anuja Kasar         |                        |                                                               |                                                                                                                                                                                 |                                                                                                                                                                  |
| 19 | 7 | 4421 | Krunal Kosumbkar    | Prof. S.S. Jagtap      | ESP32 based voice assistant with Chat GPT                     |                                                                                                                                                                                 | Second Rank, Ignited Innovation of India(I2I), COEP Technical University<br><br>VidyaLeap                                                                        |
| 20 |   | 4404 | Prabhanjan Bongarde |                        |                                                               |                                                                                                                                                                                 |                                                                                                                                                                  |
| 21 |   | 4410 | Sudhagar Dhangar    |                        |                                                               |                                                                                                                                                                                 |                                                                                                                                                                  |
| 22 | 8 | 4407 | Shivam Chavan       | Prof. P. Wankhade      | Forest Fire detector using LORA module                        | International Journal of Advance Research in Science, communication and technology (IJARSCT), Vol 4, Issue 7, April 2024<br>ISSN (Online):2581-9429<br>DOI:10.48175             | DBS Mintek Pvt Ltd., Pune                                                                                                                                        |
| 23 |   | 4429 | Prathamesh Tatkar   |                        |                                                               |                                                                                                                                                                                 |                                                                                                                                                                  |
| 24 |   | 4420 | Aman Kondvilkar     |                        |                                                               |                                                                                                                                                                                 |                                                                                                                                                                  |
| 25 | 9 | 4430 | Rajani Dhengale     | Prof. P.R. Upasani     | Intelligent waste segregation system with automated reporting | International Journal of Advance Research in Science, communication and technology (IJARSCT), Vol 4, Issue 7, PP-112-119, April 2024<br>ISSN (Online):2581-9429<br>DOI:10.48175 |                                                                                                                                                                  |
| 26 |   | 4423 | Rina Mhaske         |                        |                                                               |                                                                                                                                                                                 |                                                                                                                                                                  |
|    |   |      |                     |                        |                                                               |                                                                                                                                                                                 |                                                                                                                                                                  |





## Project List with Guide and Domain

Class: BE E &amp; TC

A.Y. 2023-24

|    |    |      |                 |                    |                                                                                    |                                                                                                                                                                            |                                     |
|----|----|------|-----------------|--------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 27 | 10 | 4401 | Manoj Bhairat   | Prof. Swati Gandhi | Optimization of large ML module to work on edge device for theft vehicle detection |                                                                                                                                                                            | Raptech Engineering Pvt.Ltd Pune    |
| 28 |    | 4419 | Kishori Ghadage |                    |                                                                                    |                                                                                                                                                                            |                                     |
| 29 |    | 4428 | Pradnya Erande  |                    |                                                                                    |                                                                                                                                                                            |                                     |
| 30 | 11 | 4412 | Anand Gaikwad   | Prof. P. Upasani   | Solar based EV charging station                                                    | International Journal of Advance Research in Science ,communication and technology(IJARSCT),Vol 4,Issue 1,PP-1-12, April 2024<br>ISSN(Online)2581-9429<br>DOI:10.48175/568 | RoboKidz Enduventures pvt ltd.,Pune |
| 31 |    | 4426 | Saif Pardeshi   |                    |                                                                                    |                                                                                                                                                                            |                                     |
| 32 | 12 | 4401 | Harshal Bankar  | Prof. N. Bhagat    | DCS for Elevator                                                                   | International Journal of Advance Research in Science ,communication and technology(IJARSCT),Vol 4,Issue 1,PP-1-8, April 2024<br>ISSN(Online)2581-9429<br>DOI:10.48175/568  |                                     |
| 33 |    | 4406 | Pavan Burkul    |                    |                                                                                    |                                                                                                                                                                            |                                     |
| 34 |    | 4436 | Rutuja Yadav    |                    |                                                                                    |                                                                                                                                                                            |                                     |



**MAPPED PROGRAM OUTCOMES (PO)**

- PO1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations..
- PO5:** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO11:** Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**MAPPED PROGRAMSPECIFIC OUTCOMES (PSO)**

- PSO1:** Analyse and design electronic circuits and machines for a given specification and function.
- PSO2:** Simulate and implement functional blocks of hardware and software designs for applications using signal processing, Communication, Computer network and Control systems.



The various project domains in Electronics and Telecommunication Engineering can be grouped into four main domains:

### 1. Communication Systems

- **Wireless Communication:** Cellular networks (4G/5G), satellite communication, Wi-Fi.
- **Optical Communication:** Fiber optics, wavelength-division multiplexing (WDM).
- **Digital Communication:** Signal modulation, error correction, digital signal processing (DSP).
- **Antenna Design:** Designing and testing antennas for communication needs.
- **Networking:** Network security, wireless sensor networks (WSN), software-defined networking (SDN).
- **RF and Microwave Engineering:** Microwave circuit design, RFID systems, radar systems.

### 2. Embedded Systems and IoT

- **Microcontroller/Microprocessor-based Projects:** IoT devices, smart home systems, robotics.
- **Real-Time Systems:** Applications requiring real-time processing like automated control systems.
- **FPGA-based Projects:** Designing digital systems using FPGA.
- **Internet of Things (IoT):** Smart home/city applications, industrial IoT (IIoT), wearable technology.
- **Robotics and Automation:** Autonomous vehicles, industrial automation, AI-based robotics.
- **Biomedical Electronics:** Medical devices, wearable health monitors, prosthetics.

### 3. Signal Processing and VLSI Design





Project List with Guide and Domain

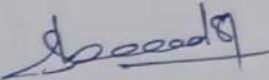
Class: BE E & TC

A.Y. 2023-24

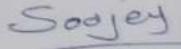
- Digital Signal Processing (DSP): Audio/speech processing, image processing, video processing.
- Biomedical Signal Processing: ECG, EEG signal analysis, medical imaging.
- Radar Signal Processing: Target detection, Doppler radar, synthetic aperture radar (SAR).
- VLSI Design: ASIC design, FPGA implementation, low power VLSI design.
- Digital Electronics: Digital logic design, microprocessor/microcontroller-based systems, data acquisition systems.
- Software and Modern Tools: Machine Learning, Algorithms.

#### 4. Power Electronics and Control Systems

- Inverters and Converters: Designing efficient power inverters, DC-DC converters, SMPS.
- Renewable Energy Systems: Solar inverters, wind energy conversion systems, hybrid energy systems.
- Electric Vehicle (EV) Systems: Battery management systems, EV charging stations, motor control systems.
- Control Systems: Automation and control (PID controllers, adaptive control systems), process control, robust and optimal control.
- Instrumentation: Sensor design, measurement systems, smart instrumentation.

  
Project Co-ordinator



  
HOD, E&TC Engg Dept.

|                                                                                  |                                                                                                            |                 |                                                                                     |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|
|  | Akhil Bharatiya Maratha Shikshan Parishad's<br><b>Anantrao Pawar College of Engineering &amp; Research</b> |                 |  |
|                                                                                  | Record No.: ADM/D/035B<br>Revision: 00                                                                     | DoI: 02/01/2023 |                                                                                     |
| <b>Notice for Students</b>                                                       |                                                                                                            |                 |                                                                                     |

Date: 04/07/2023

Department of Electronics and Telecommunication A.Y. 2023-24

All BE EnTC students are informed to form your project groups before 30/7/2023 and confirm your domain.

The details project domains and rules are as follows:

- 1. Group Size:** The student shall carry the project work individually or by a group of students. Optimum group size shall be 3 students. However, if project complexity demands a maximum group size of 4 students, the project committee should be convinced about such complexity and scope of the work. Projects selected should meet and contribute towards the needs of the society.
- 2. Selection and approval of topic:** Topic should be related to real life application and experimental based, Society, rural and environment based, Interdisciplinary, Modern tools and techniques based project in the field of Electronics and Telecommunication engineering.
- 3. The topic may be based on:** Investigation of the latest development in a specific field of Electronics or Communication / The investigation of practical problem in manufacture and / or testing of electronics or communication equipment/ Software based projects related to VHDL, Communication, Instrumentation, Signal Processing agriculture Engineering etc. with the justification for techniques used / any topic in the field of E&TC may be allowed.
- 4. Interdisciplinary projects should be encouraged.** The examination of Interdisciplinary projects shall be conducted independently in respective departments.
- 5. The term work assessment of project phase 1** shall be based on Innovative Idea of selected project, literature survey, Depth of understanding, Applications, Individual contributions, presentation, project report, timely completion of work.
- 6.** Follow the department project planner and should follow accordingly.
- 7.** A log book of work carried out during the semester should be maintained with weekly review remarks by the guide and committee.
- 8.** A certified copy of report preferably using LATEX is required to be presented to external





**Akhil Bharatiya Maratha Shikshan Parishad's**  
**Anantrao Pawar College of Engineering & Research**



Record No.: ADM/D/035B  
Revision: 00

Dol: 02/01/2023

### Notice for Students

examiner at the time of Fourth examination.

9. The project report must undergo by plagiarism check and the similarity index must be less than 15%. The plagiarism report should be included in the project report.

**Class Room: 324**

**Date: Saturday 8/7/2023**

**Timings: 2.00 p.m. to 4.00 p.m.**

**Following points are mandatory in the presentation:**

1. Topic selection as per the application domain
2. Guide approval
3. Project scope

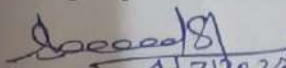
#### **Details of Faculty and their Domain**

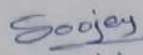
| Sr No | Name of faculty                                     | Domain                                 |
|-------|-----------------------------------------------------|----------------------------------------|
| 1     | Dr Soojay Deshpande                                 | Power Electronics, Electrical          |
| 2     | Prof. Snehal Veer                                   | Cloud computing, Data Analytics        |
| 3     | Prof. Sharad Jagtap, Dr. Padmakar Kelkar            | Embedded Systems and IoT               |
| 4     | Prof. Vaishali Bhimte, Dr. Shaila Subbaraman        | Analog and Digital Communication, VLSI |
| 5     | Prof. Ashwinin Suryawanshi,<br>Prof. Sudarshan Natu | Microcontroller, VLSI                  |

#### **Last Year (2022-23) Projects for reference:**

|                                                         |                           |
|---------------------------------------------------------|---------------------------|
| Smart AI based solutions & services for college library | Prof. Snehal Veer         |
| Smart polyhouse development and control using IoT       | Prof. Sharad Jagtap       |
| Solar power battery management system                   | Dr. Sujay Deshpande       |
| Smart mobile charging using coin insertion              | Prof. Ashwini Suryawanshi |
| Online Quiz management system                           | Prof. Vaishali Bhimte     |

\*All group members must be present during the presentation.

  
4/7/2023  
Project coordinator

  
H.O.D.





## SADGURU ELECTRONICS

contact no: 7020847949

email id: sadguruelectronics3199@gmail.com

DATE: 30 April 2024

Ref No.

To,  
The Head of Department  
Department of E&TC  
Anantrao Pawar Collage of Engineering and Research  
Pune 411009.

SUB: Approval for Final Year Project Sponsorship.  
Respected sir,

This is to certify that,  
Salil Rajendra Wadke,  
Pranav Vinayak Shinde,  
Atharva Ramchandra Kelkar.

Has been given final year project sponsorship at Sadguru Electronics, Donje, Pune.

Project is "Agri-Bot For Polyhouse with Wind Sensor" with rapid improvement in the field of Internet of Things (IoT) and Robotics. This project focuses on an agricultural system that leverages advancements in farming technology. Through real-time monitoring using IoT and robotics, it significantly simplifies farming tasks.

We, at Sadguru Electronics Pvt. Ltd. Believe that Salil Rajendra Wadke, Pranav Vinayak Shinde & Atharva Ramchandra Kelkar will be able to complete the project satisfactorily and help Sadguru Electronics Pvt. Ltd to add one more innovation product to market.

1. Mentor Name from Industry: Mr. Amit Bharat Jadhav
2. Mentor Name from Institute: Prof. Snehal M. Veer



Your Sincerely,

Amit Bharat Jadhav

Proprietor, Sadguru Electronics





15feb 2024

Asif Jamadar

Technical Chief Officer,

Robokidz Eduventures Pvt. Ltd.

Phone 411036,

Dear,

I am writing to express our sincere gratitude for your generous sponsorship of our project, **EV Charging station based on solar**. On behalf of Anantaro Pawar College of Engineering and Research and the entire project team, I want to thank you for your support and commitment to our initiative.

Your sponsorship will play a vital role in helping us achieve our goals and make a meaningful impact in the field of technical and innovation. With your contribution,

We are thrilled to have Robokidz Eduventures Pvt. Ltd. as a partner in this endeavor and are eager to collaborate with you to ensure the success of our project. Your support not only provides us with the necessary resources but also validates the importance of our mission.

As a token of our appreciation, we will ensure that your organization receives prominent recognition throughout the duration of the project.

Once again, thank you for your generous sponsorship. We are truly grateful for your partnership and look forward to a successful collaboration. If you have any questions or would like to discuss our project further, please do not hesitate to contact me at [asif@robokidz.co.in](mailto:asif@robokidz.co.in).

Warm regards, [

**ASIF JAMADAR**  
Yours Sincerely,  
Chief Technical Officer

Robokidz Eduventures Pvt Ltd

[sif@robokidz.co.in](mailto:sif@robokidz.co.in)

Robokidz Eduventures Pvt. Ltd., Survey no 90/2, Plot no 20, Dhayarkar Colony, Near Pingale Was,  
Mundwa, Pune – 411036.

| e-mail: [admin\\_r@robokidz.co.in](mailto:admin_r@robokidz.co.in) | Web: [www.robokidz.co.in](http://www.robokidz.co.in)



Data serve Infotech Pvt Ltd  
CIN: U72900MH1998PTC116095

Date: 19 March 2024

To,

Prof. Swati Gandhi,  
Assistant Professor, Dept of E&TC  
Anant Rao Pawar College of Engineering & Research (APCOER), Pune

[swati.gandhi@abinspcoerpune.org](mailto:swati.gandhi@abinspcoerpune.org)

Dear Prof. Gandhi,

I hope this letter finds you well. I am writing to you on behalf of Data Serve Infotech Pvt Ltd Pune, to express our interest in sponsoring your final year project group "Automatic Library Robot using IoT", with students group 1. Sakshi Bhosale [B191103004] 2. Ashish Chillarge [B191103008] 3. Vikas Kamble [B191103035]. We trust in your initiative and creativity, and believe that your project aligns closely with our values and objectives.

As a sponsor, we are committed to support the students in terms of offering our expertise and resources to help them to develop and implement the project effectively. We see great potential in your project and are excited about the opportunity to contribute to its success. Our team has a wealth of experience in mechatronics and embedded domain and we are eager to share our knowledge and insights with you.

We believe that this partnership will be mutually beneficial, and we look forward to working closely with you to bring your project to fruition.

Thank you for considering our sponsorship. We are excited about the possibility of collaborating with you and supporting your vision.

Best regards,

Pravin R. Jain,

Technical Director  
Data serve Infotech Pvt Ltd.  
[p.jain@rightocare.com](mailto:p.jain@rightocare.com)

Mumbai Office: 4/31, Old Anand Nagar, BSES Road, Santacruz(E) Mumbai - 400055  
Pune Office: # 13, Geetai Sankul, Paud Road, Ideal Colony, Kothrud, Pune - 411038  
Email: [support@rightocare.com](mailto:support@rightocare.com) Phone No: +91 8888520468

Page 1





Date: 17/03/2024

To,

Anantrao Pawar collage of engineering and research (APCOER),  
Parwati, Pune

Sub: Confirmation letter for Sponsorship of Project.

Respected Sir/Madam,

Sponsor Name: Pooja Parve

Address: Ingale Industrial Estate, Near Zeal Collage of Engineering and Research, Mekarwadi, Pune,  
Maharashtra 411041

Project Title: Smart Belt Obstacle Detection With Voice Output For Blind Person

Project Description:

The field of healthcare is experiencing remarkable advancements through the integration of technological innovations. Information technology, when applied to the realm of medicine, has showcased its potential to create innovative solutions for individuals with disabilities. Our primary objective is to develop a Smart Belt that empowers visually impaired individuals to navigate independently, thereby reducing their reliance on traditional white canes. The essence of this system is to emulate the functions of artificial vision and an alarm unit, akin to a vibrator. The core components of this Smart Belt encompass an ultrasonic sensor, vibrator, and voice module. The system's core functionality centers on the detection of obstacles, achieved through the utilization of an ultrasonic sensor with the capability to identify impediments at a maximum range of approximately 4 meters. This innovative solution contributes to enhancing the mobility and autonomy of visually impaired individuals, facilitating safer and more confident travel experiences.

We are providing fund for Smart Belt Obstacle Detection With Voice Output For Blind Person project is consider as charitable contribution to support the student to encourage for become an entrepreneur.

Thanking you,  
Yours faithfully

Pooja Parve,

TGH Technology.

TOUCHLESS GOLGAPPA HOUSE (TGH)

Proprietor



**ETHER TECHNOLOGY**  
*The Magical Revolution*

# LETTER OF SPONSORSHIP

*This is to certify that,*

*Mr./Miss. Apeksha Shinde, Sanket Mohite & Anuja Kasar*

*has successfully taken Project Sponsorship for "Industry Smart 4.0 - Fully Automated Fertilizers Mixing system" from 01/08/2023 to till date under "Ether Technology", Pune.*

*Program Duration : 7 to 8 months*

*Technologies Used : PLC & SCADA*

*Communication Protocol : Ethernet/Serial*

Managing director  
Ether Technology



|                                                                                   |                                                                                                                   |                        |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|
|  | <b>Akhil Bharatiya Maratha Shikshan Parishad's</b><br><b>Anantrao Pawar College of Engineering &amp; Research</b> |                        |  |
|                                                                                   | <b>Record No.: ACA/D/008B</b><br><b>Revision: 00</b>                                                              | <b>DoI: 02/01/2023</b> |                                                                                     |
| <b>Industrial Visit Report</b>                                                    |                                                                                                                   |                        |                                                                                     |

**Visit Place (Address) :** 1) KLE Technological University, Hubballi, Karnataka -580031.

2) Deshpande Startups, Hubballi , Karnataka -580031

**Visit Date:** Wednesday 12<sup>th</sup> October 2023      **Course and Year:-** TE, BE  
Semester 1

**Contact Person Details:** Karthik Sankaran,CEO, Deshpande Foundation (9845009285),  
Vishal Bhavikatti, KLE Technological University (7204280146)

- Organized By:-** Prof. Sambhaji Nawale in coordination with Prof. Anil Lohar, Prof. Jitendra Musale
- Industrial Visit under subject:** Project Based Learning and Audit Course of Industrial Safety & Environment Consciousness
- Brief Report:-**

As a part of the curriculum, the students are required to undertake Industrial Visit to a few industries of repute. We feel it will be useful that the students with academic background have a glimpse of the industry in order to have a better appreciation of practical application of theory.

Industrial Visit was conducted under the Project Based Learning and Audit Course of Industrial Safety & Environment Consciousness as prescribed in TE and BE Computer engineering syllabus of SPPU on 12/10/2023. The Industrial visit was planned at 1) KLE Technological University Hubali - 580031. 2) Deshpande Startups Hubali - 580031.

- KLE Technological University (KLE Tech) has its roots in one of the premier Engineering Institutions of Karnataka, B. V. Bhoomaraddi College of Engineering and Technology (BVB), a prestigious Engineering College in Hubballi. The founding organization KLE Society, Belgaum, established BVB College in 1947 to create an institution that would lay the foundation of modern engineering education in the northern region of Karnataka. Over time, it gained tremendous credibility with the industries and employers and emerged as a brand to reckon with. The Alumni of the





**Akhil Bharatiya Maratha Shikshan Parishad's  
Anantrao Pawar College of Engineering & Research**



**Record No.: ACA/D/008B**

**DoI: 02/01/2023**

**Revision: 00**

**Industrial Visit Report**

Institute have done exceedingly well in all spheres of life at both national and international levels and brought name and fame to themselves and their alma mater. To maintain and enhance its relevance in meeting global economies' ever-changing demands, the BVB college, under the leadership of Dr. Prabhakar Kore, undertook a strategic initiative to transform itself into a University of National Distinction. KLE Academy of Higher Education & Research, Belagavi will seek to be a centre of excellence in Medical Education, Research and Health Care services at then national and international level.

- The Deshpande Foundation India's Hubballi Sandbox is an empowering ecosystem encouraging an entrepreneurial culture to problem-solving in the community. It is a living laboratory for catalysts to test ideas, make changes and eventually develop truly scalable solutions that will address the pressing social challenges of the 1.1 billion living in rural and smaller metros of India. Automation technology is changing the way of The visit will include guided tours of visit skill in village program in on of rural school, farm pond site, visit to Deshpande startup, visit to engineering exploration lab. Students will get an exposure to entrepreneurship and engineering in Rural Skill Education and Engineering Exploration Lab due to this industrial visit. It had also provided the information about the automation technique and embedded system. Industrial visit to Deshpande Skilling, Hubballi: Deshpande Skilling is a skill development centre. It has 13 various programs related to IT, Entrepreneurship, Dental, Agriculture etc. With a ergonomic ambience which leads to high productivity. It also has Deshpande Fellowship Program which has 32 modules and this program focuses on building entrepreneurial mindset. Industrial visited to Deshpande Start-up, Hubballi: We found Deshpande Start-Up one of the most vibrant and productive places for start-ups containing a lot of startups in their early and intermediate stage. They had machines ranging from 3D printers to laser cutting machines to advanced PCB, SMT assemblers, all within an energetic working place. This place also acts as an incubator for various emerging companies.



Industrial visit to School Computer Science & Engineering KLE University, Hubballi: Along with excellent infrastructure and high-quality laboratories, the Computer Science and Engineering School has well qualified teachers. most of them

|                                                                                   |                                                                                                                   |                        |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|
|  | <b>Akhil Bharatiya Maratha Shikshan Parishad's</b><br><b>Anantrao Pawar College of Engineering &amp; Research</b> |                        |  |
|                                                                                   | <b>Record No.: ACA/D/008B</b><br><b>Revision: 00</b>                                                              | <b>DoI: 02/01/2023</b> |                                                                                     |
| <b>Industrial Visit Report</b>                                                    |                                                                                                                   |                        |                                                                                     |

being Phd holders. This place provides a lot opportunities to students. We found the teaching curriculum to be industry based. They also have large server rooms which are open to students as well Industrial visited to Conferenceroom, Deshpande star-up, Hubballi:

- We met with the Director and RND/ Dean of KLE University and share our experiences with them. We had a conversation about the impact of their faculty, teaching techniques, teaching equipment and overall curriculum. We explained them how their teaching methods can influence some positive changes in our own college. They are extremely devoted towards creativity and startups. They are encouraging their students always for practical implementation of what they've learned, instead of just relying on theoretical matter
- Industrial visited to School Of Mechanical Engineering Building, KLE Tech University, Hubballi: This department has an eminent team of faculty and students, well equipped workshops with state-of-art machines and peripherals which match the continuous need for innovation. Our faculty members had an in depth conversation with their faculty members about the current ongoing projects on drones in our college and gained some usefully actionable insights about the same.

4. **Visit Schedule:** Tuesday 12<sup>th</sup> October 2023

5. **No. of Students attended the Visit :** - 46

6. **Name of the staff attended the visit:-** 05





**Akhil Bharatiya Maratha Shikshan Parishad's  
Anantrao Pawar College of Engineering & Research**

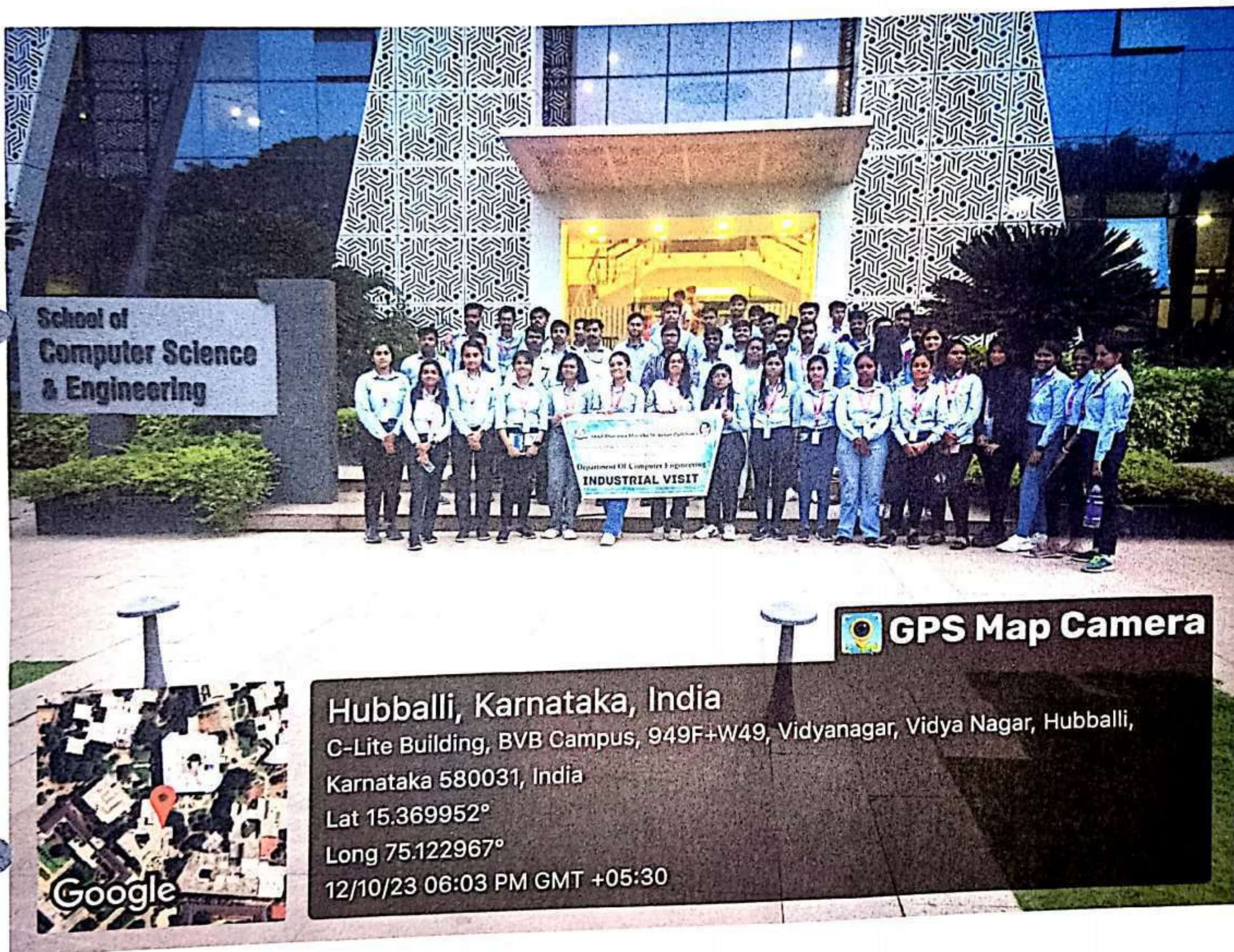


**Record No.: ACA/D/008B**

**DoI: 02/01/2023**

**Revision: 00**

**Industrial Visit Report**



Industrial visited to School Computer Science & Engineering, Vidyanagar, Hubballi





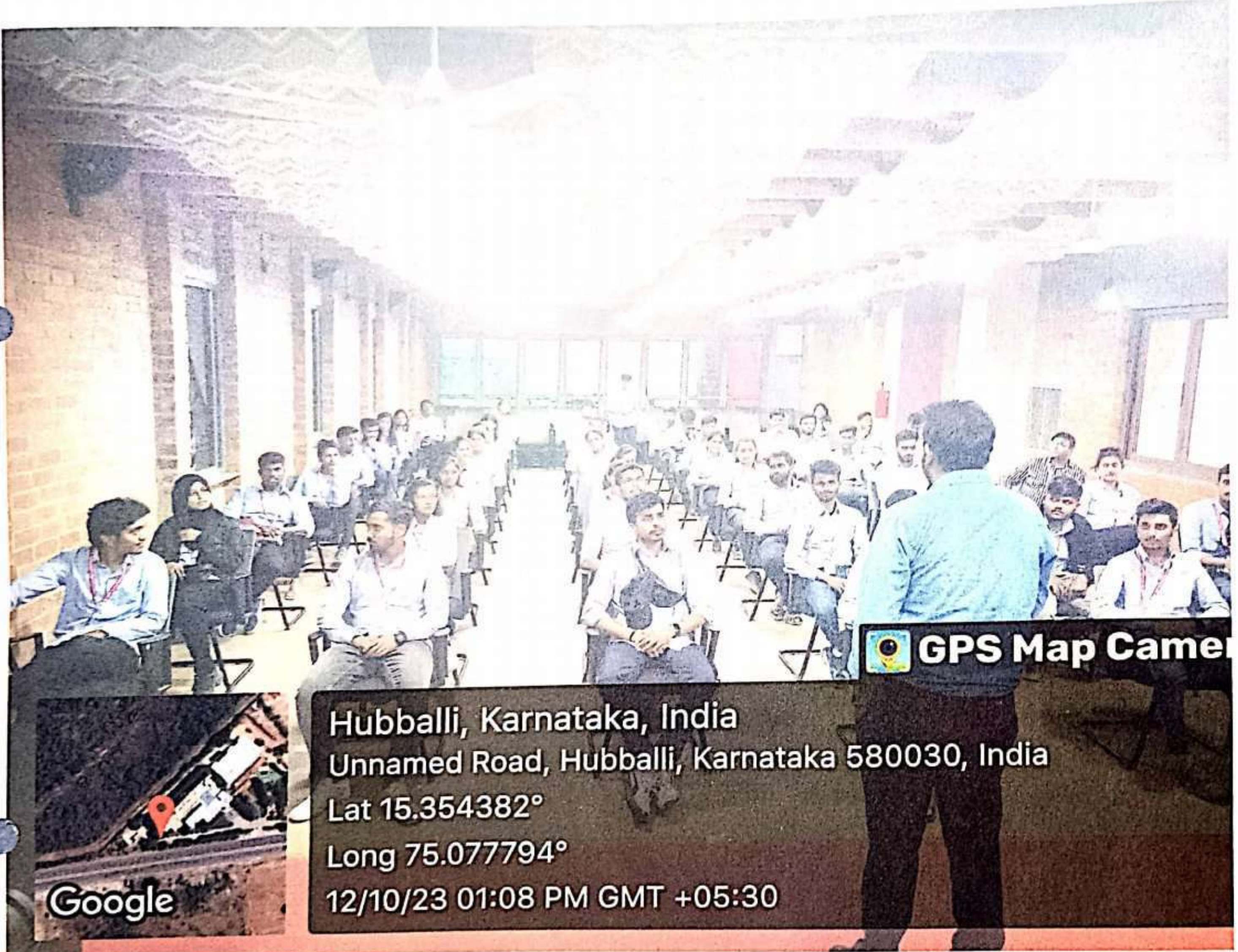
**Akhil Bharatiya Maratha Shikshan Parishad's  
Anantrao Pawar College of Engineering & Research**



**Record No.: ACA/D/008B**  
**Revision: 00**

**DoI: 02/01/2023**

**Industrial Visit Report**



**GPS Map Camera**



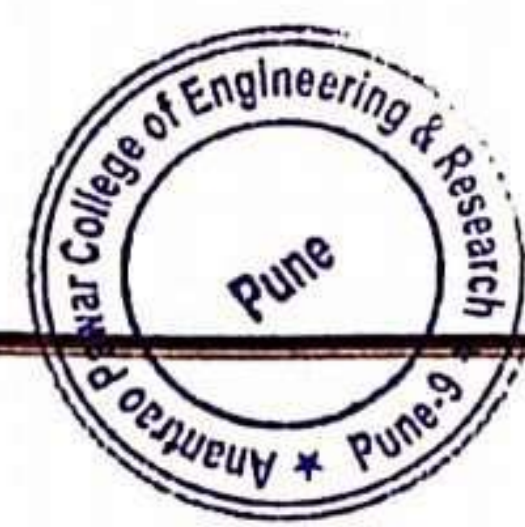
**Hubballi, Karnataka, India**  
**Unnamed Road, Hubballi, Karnataka 580030, India**  
**Lat 15.354382°**  
**Long 75.077794°**  
**12/10/23 01:08 PM GMT +05:30**

Industrial visited to Conference room, Deshpande star-up, Hubballi

**Date: 19/10/2023**

*[Signature]*  
**Visit Incharge**

*[Signature]* 19/10/23  
**Head of the Department**



*[Signature]*  
**Principal**  
19-10-23

|                                                                                   |                                                                                                                   |                        |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|
|  | <b>Akhil Bharatiya Maratha Shikshan Parishad's</b><br><b>Anantrao Pawar College of Engineering &amp; Research</b> |                        |  |
|                                                                                   | <b>Record No.: ADM/D/035B</b><br><b>Revision: 00</b>                                                              | <b>DoI: 02/01/2023</b> |                                                                                     |
| <b>Notice for Students</b>                                                        |                                                                                                                   |                        |                                                                                     |

**Department: Information Technology**

**Subject: Project Based Learning Guide Allocation**

Dear Students,

All the second year IT students are hereby informed that, following is the final list for your group member and Guide allocation.

| Group No. | Student Name      | Guide             | Topic 1                                    |
|-----------|-------------------|-------------------|--------------------------------------------|
| 1         | Muskan Verma      | Prof. Kiran Ghate | Temperature and humidity monitoring system |
|           | Ankita Yadav      |                   |                                            |
|           | Samruddhi Koparde |                   |                                            |
|           | Krishna Bendre    |                   |                                            |
|           | Rushikesh Bagul   |                   |                                            |
| 2         | Swamini Khardekar | Prof. Kiran Ghate | Automated Plant Watering System            |
|           | Kirti Wani        |                   |                                            |
|           | Mausam Kumari     |                   |                                            |
|           | Khushi Tamboli    |                   |                                            |
|           | Vaishnavi Sanas   |                   |                                            |
| 3         | Atharva Pawar     | Prof. Kiran Ghate | Gas Leakage Detection System               |
|           | Vardhan Shirke    |                   |                                            |
|           | Shruti Devkate    |                   |                                            |
|           | Divya Waykar      |                   |                                            |
|           | Pranali Agale     |                   |                                            |
| 4         | Pradnya Chavan    | Prof. Kiran Ghate | RoomSense Proximity System                 |
|           | Sujit Birari      |                   |                                            |
|           | Soham Bora        |                   |                                            |
|           | Sudhir Dhawade    |                   |                                            |
|           | Manasi Bhoyar     |                   |                                            |

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|                                                                                   | <b>Record No.: ADM/D/035B</b><br><b>Revision: 00</b>                                                              | <b>DoI: 02/01/2023</b>                                                              |
| <b>Notice for Students</b>                                                        |                                                                                                                   |                                                                                     |

|   |                                |                       |                                                   |
|---|--------------------------------|-----------------------|---------------------------------------------------|
| 5 | Sarthak Patil                  | Prof. Kiran Ghate     | Line Following Robotic Car                        |
|   | Chaitanya Sonawane             |                       |                                                   |
|   | Harshwardhan Garud             |                       |                                                   |
|   | Yash Lekurwale                 |                       |                                                   |
|   | Nikhil Gote                    |                       |                                                   |
| 6 | Atharv Salve                   | Prof. Kiran Ghate     | using incandescent 7 segment display with Arduino |
|   | Anuradha Badakh                |                       |                                                   |
|   | Prajakta Bangar                |                       |                                                   |
|   | Mohit Firake                   |                       |                                                   |
|   | Ayush Bheda                    |                       |                                                   |
| 7 | Khole Vivek Girish             | Prof. Prajakta Khaire | Smart Parking System                              |
|   | Parkhi Yash Prashant           |                       |                                                   |
|   | Maniyar Zaid Asif              |                       |                                                   |
|   | Uke Akshat Namdev              |                       |                                                   |
|   | Dharmashale Aditya Ajay        |                       |                                                   |
| 8 | Aparna Pawar                   | Prof. Prajakta Khaire | Fingerprint Door Lock System                      |
|   | Rachna Patil                   |                       |                                                   |
|   | Pratiksha Gund                 |                       |                                                   |
|   | Madhura Kawathe                |                       |                                                   |
|   | Adeeba Sahil Sayyed            |                       |                                                   |
| 9 | Aditya Naik                    | Prof. Prajakta Khaire | Smoke Detector                                    |
|   | Mateen Momin                   |                       |                                                   |
|   | Nakul Mahajan                  |                       |                                                   |
|   | Avishkar Gawai                 |                       |                                                   |
|   | Munshi Uzma Parveen Ayaz Ahmed |                       |                                                   |



**Akhil Bharatiya Maratha Shikshan Parishad's**  
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|    |                    |                        |                                |
|----|--------------------|------------------------|--------------------------------|
| 10 | Gaurav Nikam       | Prof. Prajakta Khaire  | SensorProbe                    |
|    | Rohan Adhav        |                        |                                |
|    | Aditya Nandre      |                        |                                |
|    | Bandagar Rohit     |                        |                                |
|    | Shivam Tonde       |                        |                                |
| 11 | Sanika Korade      | Prof. Prajakta Khaire  | Arduino based Alcohol Detector |
|    | Shreya Kumbharkar  |                        |                                |
|    | Aachal Katkade     |                        |                                |
|    | Nikita Kedar       |                        |                                |
|    | Tanuja Wable       |                        |                                |
| 12 | Rohit Mhetre       | Prof. Prajakta Khaire  | Smart Dustbin                  |
|    | Gajanan Kulkarni   |                        |                                |
|    | Onkar Gadge        |                        |                                |
|    | Yash Dudhade       |                        |                                |
|    | Vishal Patil       |                        |                                |
| 13 | Piyusha Takavane   | Prof. Devika Rankhambe | Temperature Control Fan        |
|    | Ashreeta Alkanthi  |                        |                                |
|    | Anvee Mulay        |                        |                                |
|    | Shrikant Ghodke    |                        |                                |
|    | Arya Satpute       |                        |                                |
| 14 | Ayush Ingrulkar    | Prof. Devika Rankhambe | Air Pollution Detection System |
|    | Nishant Pawar      |                        |                                |
|    | Kavishwar Sonawane |                        |                                |
|    | Vishwa Shende      |                        |                                |
|    | Sarthak Kadam      |                        |                                |

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| <b>Notice for Students</b>                                                        |                                                                                                                   |                        |                                                                                     |

|    |                   |                        |                                  |
|----|-------------------|------------------------|----------------------------------|
| 15 | Siddharth Ghogare | Prof. Devika Rankhambe | Automated light Using IR Sensors |
|    | Aditya Ghadge     |                        |                                  |
|    | Mayur Gadekar     |                        |                                  |
|    | Harshal Mhaske    |                        |                                  |
|    | Isha Bibave       |                        |                                  |



Prof. Kiran Ghate  
SE Class teacher

  
H.O.D  
IT Engineering