7.2 - Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Sr.No.	Description	Link
7.2.1	**BEST PRACTICE –1 DEPARTMENTAL RESEARCH COMMITTEE** DRC member list , Schedule of presentation, Project List ,Best Project Identified, Students Publication, Patent registered, Students participation in various project competitions, Categorization of Projects	
	BEST PRACTICE –2 "Your Dream, Our Mission" leads to holistic development of students All type of data related to Guest lecture, Expert Lecture, competitive examinations & Higher studies initiatives activities University Merit and Ranker list Documents of placement figure, Students participation in sports and cultural and their achievement	

Dr. J. J. Magdum College of Engineering, Jaysingpur
Approved by A.I.C.T.E, New Delhi ☐ Recognized by Govt. of Maharashtra (D.T.E.) ☐ Affiliated to SHIVAJI UNIVERSITY, Kolhapur
Gat No. 289 (314/330), Shirol-Wadi Road, (Agarbhag), JAYSINGPUR - 416 101. Dist. Kolhapur (M.S.)
Tel. No. (02322) 221825, 221123, Fax No.: (02322) 221831
Email : campusdirector@jjmcoe.ac.in / principal@jjmcoe.ac.in / registrar@jjmcoe.ac.in ▮ Website : www.jjmcoe.ac.in

Best Practices play vital role in academic success. Following are the two Best Practices in the Institute-

BEST PRACTICE 1:-

1. Title of the Practice

Departmental Research Committee (DRC)

2. Objectives of the Practice

- To instill in students a culture of research.
- To inspire students for participation in research competitions.

3. The Context

DRC has been tasked with upholding the high caliber of project work. Additionally, they encourage students to submit research work to journals, compete in research contests, and obtain patents, copyrights.

4. The Practice

Every department has established a DRC. Student project batches are organized in accordance with University norms. Based on the project's originality, application to society, industry's imminent problems, laboratory and institute utility, and creative concepts, DRC accepts the project synopsis. Rubrics are used to evaluate project progress activities.

5.Evidence of Success

As a result the students have published project idea in many reputed National & International Journals. Also 06 projects are registered for patent filing and copyright. Few of the project groups took part in numerous technical contests.

6. Problems Encountered & Resources Required

It necessitated additional work to inspire the students to participate in research activities. Technology and IT tools are changing quickly, so it takes work to stay up to date.

BEST PRACTICE –1

DEPARTMENTAL RESEARCH COMMITTEE

DRC member list

Dr. J. J. Magdum College of Engineering, Jaysingpur.

Department of Civil Engineering.

Department Research Committee
(A.Y. 2022-23)

Sr. No.	Name of DRC Member	Designation
1.	Dr. D. B. Desai	P.G.- Head
2.	Dr. J. S. Lambe	U.G.- Head
3.	Dr. R. S. Chougule	Member
4.	Prof. K. G. Ghodake	Member
5.	Prof.A.S.Sajane	Member
6.	Prof.V.K.Wandre	Member

Prof. A.S.Sajane
R & D Coordinator

Dr.J.S.Lambe
HOD.

Date:- 5 September,2022

7.2.1.
1-1
DRC member

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

Information Technology Department

Date: 1/09/22

Department Research Committee [DRC]

Sr. No.	Faculty Name	Designation	Sign.
01	Mrs. S.S Solapure	Head	
02	Prof. R. A. Sanadi	Member	
03	Prof. J. T. Patil	Member	
04	Prof.S.J.Chougule	Member	
05	Prof. P. A. Tamgave	Member	
06	Prof.S.B.Holkar	Member	
07	Prof.A.G.Chendke	Member	
08	Prof.P.R.Patil	Member	

(Mrs.S.S.Solapure)
Project Coordinator

(Prof. R. A. Sanadi)
Head, IT Dept.

Dr. J. J. Magdum College of Engg. Jaysingpur
Department of Information Technology
Jaysingpur - 416101

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

Information Technology Department

Date: //22 -10-22

Department Research Committee [DRC]

Information Technology Department has a "Departmental Research Committee" (DRC), consisting of Head of Department (HOD) and other faculty members who are active in research.

Sr. No.	Faculty Name	Designation	Sign.
01	Mrs. S.S Solapure	Head	
02	Mr. R. A. Sanadi	Member	
03	Mrs. J. T. Patil	Member	
04	Mrs. S. J. Chougule	Member	
05	Mrs. PallaviR.Desai	Member	

Activities:

1] In Semester – I of the academic year, three number of Project Presentations of Final Year students are taken. The students are guided for

1] How to prepare Synopsis?
2] How to do the design work?
3] To select front end and back end platforms for the project work.
4] How to prepare Review Paper and publish in the journal? etc.

2] In Semester – II of the academic year, again three number of Project Presentations of Final Year students are taken. The students are guided for

1] How to do software testing?
2] How to prepare the comparative chart?
3] How to prepare Result Paper and publish in the conference/ journal?
4] How to prepare final project report? etc.

(Mrs.S.S.Solapure)
DRC Head

(Mr. R. A. Sanadi)
Hod,IT Department

Dr. J.J.Magdum College of Engineering Jaysingpur I.T. Dept.

Dr. J.J.Magdum College of Engineering Jaysingpur I.T. Dept.

Dr. J. J. Magdum College of Engineering, Jaysingpur.

Department of Computer Science and Engineering

Departmental Research Committee(DRC)

2022-2023

NOTICE

Date: 13/09/2022

The faculty members of CSE department are hereby informed that, Departmental Research Committee formed as per the discussion held with the Head of the Department.

Following are the committee members of DRC for year 2022-2023:

Sr. No.	Name of Faculty	Signature
1	Dr. Mrs. D. A. Nikam (HOD)	
2	Prof. D. A. Gundwade (Academic Co-ordinator)	
3	Prof. P. V. Kothawale (Program Co-ordinator)	
4	Prof. P. S. Pathak (DRC Head)	

Prof. P. S. Pathak
DRC Head

Dr. Mrs. D. A. Nikam
HOD, CSE

Dept. of CSE

7.2.1.1

To all Project Guides - ETC and ETRX Dept.

Our Departmental DRC committee 2022-23

1. Prof. (Dr.) MrsMahadik S. R .....**DRC Head**
2. Prof.M.M.Kolap .....**DRC member**
3. Prof. Mrs. Belagli P.P. .....**DRC member**
4. Prof.M.U.Phutane .....**DRC member**
5. Prof.T.h.Mohite .....**DRC member**

All project guides herewith informed to follow the following schedule for the academic year 2021-22 as per commonpolicies from R and D cell

Policies of R & D, AY 2022-23

Sr. No.	Activities	Policy
1	Selection of student project topic	Of the total no. of projects of department theme wise distribution should be - Socially use projects-40 %, Industry real time problems-10 %, College development projects-15 %, Laboratory development projects- 15%, Innovative projects- 20 %
2	Students participation in project competition	Students of each department should compulsorily participate in project competition at state/national/international level such as BAHA , Epi-cycle, Go kart, ACI competition, hackathon , eyantra, etc. The expenses to be paid as – Students-25 %, Industry Sponsorship- 25 % and College- 50 %
3	Student paper publication	Each & every student project group should publish a paper. The expenses should be paid by the students.
4	Student project sponsorship	In each department one project(2 for 120 intake) will be sponsored which will be informed after DRC meeting of synopsis approval. Amount of sponsorship will be 50 % of project cost or Rs.1000 whichever is minimum.

5	Faculty paper publication	Each faculty should publish at least 2 papers in referred journal in academic year. College will appreciate by giving Rs. 2000 per faculty, if he/she publishes paper in scopes or web of science.
6	Paper presentation in conference	For department there should be at least 5 paper presentation by faculty in national or international conference in academic year. College will appreciate by giving Rs. 1000 per faculty for national & Rs. 2000 for international conference.
7	Patent	Each department should file at least 2 patents of design or utility / 2 copyrights. The patents filed in the name of Institute will be provided financial aid.

U.G. Students Project Marking Scheme

Sr. No.	Activity	Marks
	Semester - I	
01	Submission of project topic with names of group member	A1 = 0.08 × TM1
02	Submission of synopsis duly signed by students and guide	A2 = 0.08 × TM1
03	Introduction and literature review presentation	A3 = 0.24 × TM1
04	Methodology and future work presentation	A4 = 0.30 × TM1
05	Guides mark	A5 = 0.30 × TM1
	Semester – II	
06	Progress presentation 1	A6 = 0.20 × TM2
07	Progress presentation 2	A7 = 0.20 × TM2
08	Final presentation before DRC along with submission of spiral bound copy	A8 = 0.30 × TM2
09	Guides mark	A9 = 0.30 × TM2

Notes: -

1. TM1 = Total term work marks allotted by SUK for project work in semester I.
2. TM2 = Total term work marks allotted by SUK for project work in semester II.
3. Distribution of marks is given in form of multiplying factor.
4. Round up or down the marks to get the whole number as per requirement.

5. In rubrics also distribution of marks is given in form of multiplying factor.

U.G. Students Project Rubric for Marking Scheme of Semester - I

Level ⇨ / Activity ⇩	Unsatisfactory	Developing	Satisfactory	Excellent
Submission of project topic with names of group member	Submitted after scheduled date. (0.0 × A1)	Submitted on scheduled date, but without clear title. (0.4 × A1)	Submitted before scheduled date with clear title. (0.8 × A1)	Submitted well before scheduled date with research based title. (1.0 × A1)
Submission of synopsis duly signed by students and guide	Submitted after scheduled date, copied topic. (0.0 × A2)	Submitted on scheduled date, duly signed by group members and Guide. Copied topic but added own value. (0.4 × A2)	Submitted before scheduled date duly signed by group members and Guide. Sufficient number of references. Filling gap of existing work. (0.8 × A2)	Submitted well before scheduled date duly signed by group members and Guide. Sufficient number of references. Innovative idea. (1.0 × A2)
Introduction and Literature review presentation	Presented after scheduled date. No coordination between group members. No collection of literature. (0.25 × A3)	Presented on scheduled date. Poor coordination between group members. Little collection of literature. (0.60 × A3)	Presented on scheduled date. Good coordination between group members. Sufficient collection of literature. (0.85 × A3)	Presented on scheduled date. Excellent coordination between group members. Full collection of literature.

				Presented novel idea. (1 × A3)
Level ⇨ Activity ⇩	**Unsatisfactory**	**Developing**	**Satisfactory**	**Excellent**
Methodology and future work presentation	Presented after scheduled date. No coordination between group members. Little idea about methodology, future work and conclusion. (0.25 × A4)	Presented on scheduled date. Poor coordination between group members. Clear about methodology and future work, but no clear idea about conclusion. (0.6 × A4)	Presented on scheduled date. Good coordination between group members. Clear about methodology, future work and conclusion. (0.9 × A4)	Presented on scheduled date. Excellent coordination between group members. Clear about methodology and future work. Confident about conclusion. (1 × A4)
Guides mark	Not reporting regularly. Reporting individually. Unable to explain. (0.25 × A5)	Reporting regularly and in group. Partially explaining, need guides' help. (0.6 × A5)	Reporting regularly and in group. Fully explaining without guides' help. (0.9 × A5)	Reporting regularly and in group. Fully explaining with clear concepts. (1 × A5)

U.G. Students Project Rubric for Marking Scheme of Semester - II

Level ⇨ Activity ⇩	**Unsatisfactory**	**Developing**	**Satisfactory**	**Excellent**
Progress presentation 1	Presented after scheduled date. No coordination between group members. No progress. (0.2 × A6)	Presented on scheduled date. Poor coordination between group members. Little progress. (0.65 × A6)	Presented on scheduled date. Good coordination between group members. Satisfactory	Presented on scheduled date. Excellent coordination between group members.

			progress. (0.9 × A6)	Excellent progress. (1 × A6)
Progress presentation 2	Presented after scheduled date. No coordination between group members. No progress. (0.2 × A7)	Presented on scheduled date. Poor coordination between group members. Little progress. (0.65 × A7)	Presented on scheduled date. Good coordination between group members. Satisfactory progress. (0.9 × A7)	Presented on scheduled date. Excellent coordination between group members. Excellent progress. (1 × A7)

Level ⇨ / Activity ⇩	Unsatisfactory	Developing	Satisfactory	Excellent
Final presentation before DRC along with submission of spiral bound copy	Presented after scheduled date. No coordination between group members. No submission of spiral bound. Lack of info. Poor format and poor grammar in presentation. Work done not as per submitted synopsis. (0.25 × A8)	Presented on scheduled date. Poor coordination between group members. Submitted spiral bound. Little info. Poor format and poor grammar in presentation. (0.7 × A8)	Presented on scheduled date. Good coordination between group members. Submitted spiral bound. Sufficient info. Perfect format, but poor grammar in presentation. (0.95 × A8)	Presented on scheduled date. Excellent coordination between group members. Submitted spiral bound. Lot of info. No mistake in presentation. (1 × A8)
Guides mark	Not reporting regularly. Reporting individually. Unable to explain. Final bound	Reporting regularly and in group. Partially explaining, need guides' help. Final bound	Reporting regularly and in group. Fully explaining without guides' help.	Reporting regularly and in group. Fully explaining with clear concepts.

	submitted after scheduled date. (0.25 × A9)	submitted on scheduled date. (0.7 × A9)	Final bound submitted before scheduled date. (0.95 × A9)	Final bound submitted well before scheduled date. (1 × A9)

Prof M.M.Kolap
Head, E&TC and ETRX

Dr. J. J. Magdum College of Engineering, Jaysingpur.

BEST PRACTICE –1

DEPARTMENTAL RESEARCH COMMITTEE

Schedule of presentation

Dr. J. J. Magdum College of Engineering, Jaysingpur.

Department of Computer Science and Engineering

Departmental Research Committee(DRC)

2022-2023

B. Tech CSE Project Schedule

AC Year: 2022-2023 **SEM-I**

Sr. No.	Activity	Nature of Activity	Date of Activity
1	A1	Submission of Project topics with name of group members, Submission of synopsis with guide's signature	15/09/2022 20/09/2022
2	A2	**Presentation-I :** Synopsis Presentation in front of DRC	22/09/2022
3	A3	**Presentation-II:** Presentation on Introduction and literature review of the project	15/10/2022
4	A4	**Presentation-II:** Presentation of Methodology and future work of project.	18/11/2022
5	A5	**Termwork Marks Finalization**	**02/12/2022**

Prof. P. S. Pathak
DRC Head & Project Coordinator, CSE

Dr. Mrs. D. A. Nikam
HOD, CSE

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

Information Technology Department

Date: 23-09-2022

Department Research Committee [DRC]

formation Technology Departme it has a "Depa...ental Research Committee" (DRC), consisting of Head of epartment (HOD) and other faculty memberswho are active in research.

Guid nes for internal assessment process of project work:

Weightages of project work internal assessment (Throughout Academic Year)

	Date	Review #	Agenda	Assessment	Review Assessment Weightage	CO Covered
em -I	1st Week of Oct 22	Review 1	Project Synopsis / Proposal Evaluation	Rubric PR1	20% (20)	CO1
	15-18 th Oct22	Review 2	1st Project Evaluation	Rubric PR2 & PR6	10% (10) & 5% (05)	CO2 & CO5
	17-19 th Nov22	Review 3	2nd Project Evaluation	Rubric PR3 & PR6	10% (10) & 5% (05)	CO2 & CO5
Sem-II		Review 4	3rd Project Evaluation	Rubric PR4	20% (20)	CO3,CO4 & CO5
		Review 5	4thProject Evaluation	Rubric PR5 & PR6	10% (10) & 5% (05)	CO3, CO4 & CO5
		Review 6	Project Report Evaluation	Rubric PR7	15% (15)	CO6
		Total			100% (100)	

23.9.22

HOD IT Dept
(Mr.R.A.Sanadi)

DRC Head
(Mrs.S.S.Salapure)

I.T. Dept.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

Information Technology Department

Date: 23-09-2022

Department Research Committee [DRC]

Information Technology Department has a "Departmental Research Committee" (DRC), consisting of Head of Department (HOD) and other faculty memberswho are active in research.

Guide lines for internal assessment process of project work:

Weightages of project work internal assessment (Throughout Academic Year)

	Date	Review #	Agenda	Assessment	Review Assessment Weightage	CO Covered
Sem -I	1st week of Oct	Review 1	Project Synopsis / Proposal Evaluation	Rubric PR1	20% (20)	CO1
	15-18 th Oct	Review 2	1st Project Evaluation	Rubric PR2 & PR6	10% (10) & 5% (05)	CO2 & CO5
	17-19 th Nov	Review 3	2nd Project Evaluation	Rubric PR3 & PR6	10% (10) & 5% (05)	CO2 & CO5
Sem-II		Review 4	3rd Project Evaluation	Rubric PR4	20% (20)	CO3,CO4 & CO5
		Review 5	4thProject Evaluation	Rubric PR5 & PR6	10% (10) & 5% (05)	CO3, CO4 & CO5
		Review 6	Project Report Evaluation	Rubric PR7	15% (15)	CO6
		Total			100% (100)	

Students need to be guides for following points:

- How to prepare Synopsis?
- How to do the design work?
- To select front end and back end platforms for the project work.
- How to prepare Review Paper and publish in the journal? etc.
- How to do Software testing?
- How to prepare the Gantt chart?
- How to prepare Result Paper and publish in the journal?
- How to prepare final project report?
- etc.

Date: 07/2/20

Notice

All the students of B. Tech. [IT] are hereby informed that all project groups should note the following:

1. Prepare report along with results per the given format. (Check Google classroom for format) in soft copy format.
2. The Review-4 presentation of Btech project will be in the third week of FEB 2023.
3. The presentation should include 70 % coding, Completion of first three objectives and Individual student contribution.
4. Check strictly **Rubric PR3& PR6** on Google classroom as the marks will be given to you as per the rubrics.
5. Panel member's batches will give presentation to that respective panel.
6. One or two conference /journal paper submission is mandatory before review - discuss with your guide.
7. Attendance is mandatory if not then written letter has to submit to guide and DRC coordinator in advance.

Weightages of project work internal assessment (SEM-I) decided by DRC

	Date	Review #	Agenda	Assessment	Review Assessment Weightage	CO Covered
Sem -II	3rd Week of Feb 23	Review 4	3rd Project Evaluation	Rubric PR4	20% (20)	CO3,CO4 & CO5
	4th Week March 23	Review 5	4thProject Evaluation	Rubric PR5 & PR6	10% (10) & 5% (05)	CO3, CO4 & CO5
	5th Week April 23	Review 6	Project Report Evaluation	Rubric PR7	15% (15)	CO6

So, all should note and do the same.Panels for review:

Panel -I			Panel -II		
Sr. No.	Faculty Name	Designation	Sr. No.	Faculty Name	Designation
01	Mrs. S.S Solapure	Head	01	Mrs. Pallavi Desai	Head
02	Mrs. S. J. Chougule	Member	02	Mrs. J. T. Patil	Member
03	Mrs. P. A. Tamgave	Member	03	Mrs. A.G.Chendke	Member
04	Mr. S.B.Holkar	Member	04	Mrs.P.R.Patil	Member
05	Mr. R. A. Sanadi	Member	05	Mr. R. A. Sanadi	Member

(Mrs.S.S.Solapure)
DRC Head

(Prof. P. A. Bharatiya)
HoD,IT Department

C – Copyright
D – Design - patent

Dr. J. J. Magdum College of Engineering, Jaysingpur.
Department of Information Technology Engineering
Class-B.Tech.IT
Btech Project Detail 2022-23

Roll.No.	Name Of the Student	Title of the project	Type of Project	
			Project group	Faculty Name
1	GAWAS AASHWINI RAGHOBA	Hospitality Service Management System C	G1 - Management+Sponsory ✓	Mrs.S. J. Chougule
2	KAMBLE SIYANG PRAFULLA			
3	MITHARE AKASH SURESH			
4	NARDEKAR SURAJ JAYKUMAR			
5	JAMADADE SHREYA ANIL	Gesture recognition based on virtual mouse & keyboard	G2- Social level	Mrs.J.T.Patil
6	MANGLEKAR RUTUJA PRAKASH			
7	MOHITE SAMRUDDHI SURESH			
8	NIMBALKAR AISHWARYA PRAKASH			
9	HIREMATH ADITYA NANDIKESHWAR	Fertilizer Optimizer	G3- Innovative	Mrs. S.S Sitapure
10	JARE PRASHANT LAXMAN		or Techno societal	
11	KUMBHAR OMKAR BAJIRAO			
12	MOMIN MOHAMMAD RAASHID			
13	PATIL ROHIT LAXMAN			
14	KAMBLE ATISH VIJAY	Brain Tumor Detection Using Mask R-CNN D	G4-Medicare And Solutions	Mrs.S. J. Chougule
15	KHARE SURAJ RAVINDRA			
16	MAHAMUNI SHREYAS SATISH			
17	MULLA HAIDARALI TAJUDDIN			
18	PAWAR ASHLESHA MADHUKAR	Software for Vaishnavi Jewellers C	G5- Industry real time ✓ Sponsored	Mrs. A.G.Chewale
19	POTDAR DIPALI GAJANAN			
20	RAJPUT GOURI ARUNSING			
21	WAGH POONAM PRABHAKAR			
22	BANDGAR SAVITA APPASO	Stock Management System C	G6-Industry Real Time Sponsored	Mrs.J.T.Patil
23	PATHAN MUSKAN ISAK			
24	PATIL DIVYARANI DATTATRAY			
25	RAWAL MANASI MAHESH			
26	GAVALI ANUSHKA ARUN	Waste Food Management System Using Flutter	G7- Innovative+Techno Societal	Mr. R.A. Sanadi
27	KALE SHUBHAM DINESH			

B(1)

B. TECH PROJECT EVALUATION FORMS

Weightages of project work internal assessment (Throughout Academic Year)

Review #	Agenda	Assessment	Review Assessment Weightage	CO Covered
Review 1	Project Synopsis / Proposal Evaluation	Rubric PR1	20% (20)	CO1
Review 2	1st Project Evaluation	Rubric PR2 & PR6	10% (10) & 5% (05)	CO2 & CO5
Review 3	2nd Project Evaluation	Rubric PR3 & PR6	10% (10) & 5% (05)	CO2 & CO5
Review 4	3rd Project Evaluation	Rubric PR4	20% (20)	CO3, CO4 & CO5
Review 5	4 th Project Evaluation	Rubric PR5 & PR6	10% (10) & 5% (05)	CO3, CO4 & CO5
Review 6	Final project and t Report Evaluation	Rubric PR7	15% (15)	CO6
Total			**100% (100)**	

Mrs.S.S.Solapure

DRC Coordinator

Mr.R.A.Bharatiya

IT Department

DP

Dr. J.J. Magdum Trust's

Dr. J.J. Magdum College of Engineering, Jaysingpur

Department of Information Technology

2021-2022

DRC activites done in department SEM –I of 2022-23

Sr. No.	Name of Activity	Date
1	Expert lecture on" How to write synopsis of Project?" – By S.S.Solapure, JJMCOE	28th SEP 2022
2	Guest lecture on" How to write research proposal and paper?" – By Dr.S. P. Sonavane,WCE ,Associate Professor Sangli	12th OCT 2022
3	Expert lecture on" How to write research paper?" – By S.S.Solapure,JJMCOE	16thDEC 2022
4	The project first review presentation with PR1 rubrics by panel and marks are given by each member of panel	10th OCT 2022
5	The project first review presentation with PR1 rubrics by panel and marks are given by each member of panel	18th NOV 2022
6	Synopsis checking as per the format and guidelines give to students by guide, HoD and DRC head	Till date
7	Theme wise project distribution is calculated and sponsored projects list is prepared	
8		
9		
10		

Mr.R.A.Sanadi

Date: 20/12/2022

Notice

All the students of B. Tech. [IT] are hereby informed that all project groups should note the following;

1. Prepare final report of first phase along with results per the given format. (Check Google classroom for format) in soft copy format. The hardcopy of this report with all correction by respective guide is mandatory for external examination.
2. The Review-3 presentation of Btech project will be on Friday 23rd December 2022.
3. The presentation should include 50 % coding, Completion of first two objectives and Individual student contribution.
4. Check strictly **Rubric PR3 & PR6** on Google classroom as the marks will be given to you as per the rubrics.
5. Panel member's batches will give presentation to that respective panel.
6. One or two conference /journal paper is mandatory - discuss with your guide.
7. Attendance is mandatory if not then written letter has to submit to guide and DRC coordinator in advance.

Weightages of project work internal assessment (SEM-I) decided by DRC

	Date	Review #	Agenda	Assessment	Review Assessment Weightage	CO Covered
Sem -I	1st Week of Oct 22	Review 1	Project Synopsis / Proposal Evaluation	Rubric PR1	20% (20)	CO1
	15-18 th Oct22	Review 2	1st Project Evaluation	Rubric PR2 & PR6	10% (10) & 5% (05)	CO2 & CO5
	17-19 th Nov22	Review 3	2nd Project Evaluation	Rubric PR3 & PR6	10% (10) & 5% (05)	CO2 & CO5

So, all should note and do the same. Panels for review:

Panel -I			Panel -II		
Sr. No.	Faculty Name	Designation	Sr. No.	Faculty Name	Designation
01	Mrs. S.S Solapure	Head	01	Mrs. Pallavi Desai	Head
02	Mrs. S. J. Chougule	Member	02	Mrs. J. T. Patil	Member
03	Mrs. P. A. Tamgave	Member	03	Mrs. A.G.Chendke	Member
04	Mrs.S.B.Holkar	Member	04	Mrs.P.R.Patil	Member
05	Mr. R. A. Sanadi	Member		Mr. R. A. Sanadi	Member

(Mrs.S.S.Solapure)
DRC Head

(Prof. R. A. Sanadi)
HoD, IT Department

Dr. J. J. Magdum College of Engg. Jaysingpur
Department of Information Technology

Date: 7/10/2022

Notice

All the students of B. Tech. [IT] are hereby informed that all proj ct groups should note following;

1. Prepare final synopsis along with final title as per th given format.(Check Google classroom for format)
2. The Review-2 presentation of Btech project(was pla.ned on 15-18 th Oct 22) will be on Friday 18th Nov 2022 as per the HoD instruction.
3. The presentation should include 30 % coding and Individual student contribution.
4. Check strictly Rubrics PR2 & PR6 on Google classroom.
5. Panel member's batches will give presentation to that respective panel.
6. One or two International/national conference /journal paper (UGC care) is mandatory - discuss with your guide.
7. Attendance is mandatory.

Weightages of project work internal assessment (SEM-I) decided by DRC

	Date	Review #	Agenda	Assessment	Review Assessment Weightage	CO Covered
Sem -I	1st Week of Oct 22	Review 1	Project Synopsis / Proposal Evaluation	Rubric PR1	20% (20)	CO1
	15-18 th Oct22	Review 2	1st Project Evaluation	Rubric PR2 & PR6	10% (10) & 5% (05)	CO2 & CO5
	17-19 th Nov22	Review 3	2nd Project Evaluation	Rubric PR3 & PR6	10% (10) & 5% (05)	CO2 & CO5

So, all should note and do the same.

Panels for review:

Sr. No.	Faculty Name	Designation	Sr. No.	Faculty Name	Designation
01	Mr. R. A. Sanadi	HOD	02	Mrs. S.S Solapure	DRC
03	Mrs. S. J. Chougule	Member	04	Mrs. J. T. Patil	Member
05	Mrs. Pallavi Desai	Member	06	Mrs. A.G.Chendke	Member
07	Mrs. P. A. Tamgave	Member	08	Mrs.P.R.Patil	Member
09	Mrs.S.B.Jadkar	Member			

(Mrs.S.S.Solapure)
DRC Head

(Prof. R. A. Sanadi)
HOD,IT Department

Date: 7/10/2022

Notice

All the students of B. Tech. [IT] are hereby informed that all project groups should note the following:

1. Prepare synopsis as per the format given.
2. The first review on the synopsis will be on Monday 10th Oct 2022.
3. Panel member's batches will give presentation to that respective panel.
4. Attendance is mandatory.

So, all should note and do the same.

Panels for review :

Panel -I			Panel -II		
Sr. No.	Faculty Name	Designation	Sr. No.	Faculty Name	Designation
01	Mrs. S.S Solapure	Head	01	Mr. R. A. Sanadi	Head
02	Mrs. S. J. Chougule	Member	02	Mrs. J. T. Patil	Member
03	Mrs. P. A. Tamgave	Member	03	Mrs. A.C.Chendke	Member
04	Mrs.S.B.Holkar	Member	04	Mrs.P.R.Patil	Member

(Mrs.S.S.Solapure)
DRC Head

(Prof. R. A. Sanadi)
HoD,IT Department

Dr. J. J. Magdum College of Engg. Jaysingpur
Department of Information Technology
Jaysingpur - 416101

Dr. J. J. Magdum Trust's (No. E/902)

J. J. Magdum College of Engineering, Jaysingpur

Department of Civil Engineering

Date: 07/12/2022

Notice

All the Final B.Tech A & B Div. Civil Engineering students are hereby informed that, as per your academic Calender 2022-23, **Third presentation will schedule on 19/12/2022 at 11.30 am onwards.**

So,kindly note same & present on above mentioned subject.

Prof.V.K.Wandre
Project Co ordinator

Dr. J. S. Lambe
HoD Civil Engg

Dr. J. J. Magdum Trust's (No. E/902)

J. J. Magdum College of Engineering, Jaysingpur

Department of Civil Engineering

Date: 21/11/2022

Notice

All the Final **B.Tech A & B Div**. Civil Engineering students are hereby informed that, as per your academic Schedule, Second presentation will schedule on 25/11/2022 at 11.30 am

So,kindly note same & be present.

Note: Those students couldn't submit their synopsis yet, kindly note same otherwise your mark will not consider.

Prof.V.K.Wandre

Project Co ordinator

Dr. J. S. Lambe

HoD Civil Engg

Dr. J. J. Magdum College of Engineering, Jaysingpur.

Department of Civil Engineering.

Date- Nov. 04, 2022

Notice

All the faculty members of Civil Engineering Department are hereby requested to conduct the synopsis presentation of B.Tech Civil students of Div. A & B on November 09, 2022 at 2.30 p.m.

Prof. V.K. Wandre
U.G. Coordinator

Prof. J.S. Lambe
HOD.
Dept. of Civil Engg

Sr. No.	Name of Staff Member	Group	Location	Notice Received
1.	Prof.A.P.Chougule (Head)	Construction Mangt. ,Geotechnical Engg, Environmental Engg,WRE,Transport ation Engg	Class 208	
2.	Dr. J. S. Lambe			
3.	Dr. D. B. Desai			
4.	Dr. R. S. Chougule			
5.	Prof.A.S.Sajane			
6.	Prof.S.S.Khot			
7.	Prof.D.A.Latte			
8.	Prof.S.P.Madnaik			
9.	Prof.K.G.Ghodake (Head)	Structural Engineering ,Concrete Technology	Class 203	
10.	Prof.R.S.Shreshti			
11.	Prof.V.A.Patil			
12.	Prof.V.K.Wandre			
13.	Prof.S.V.Mane			

Dr. J. J. Magdum Trust's (No. E/902)

J. J. Magdum College of Engineering, Jaysingpur

Department of Civil Engineering

Date: 13/10/2022

Notice

All the Final B.Tech Civil Engineering students are hereby informed that, as per your Shivaji university academic curriculum, you have project. It's mandatory for all students that you must submit your name of group (4 or 5) students along with project title.

So,kindly note same & submit to under signed to Prof .V.K.Wandre as Project Co ordinator before 18th October 2022.

Prof.V.K.Wandre

Project Co ordinator

Dr. J. S. Lambe

HoD Civil

Dr. J. J. Magdum College of Engineering, Jaysingpur.

Department of Civil Engineering.

Date- Feb. 22, 2023

Notice

Schedules of Project Activity A.Y. -2022-23 (Phase-II)

All the Final **B.Tech (A & B Div)** students of Civil Engineering Department are hereby informed that as per your Shivaji university academic curriculum, Project work (Phase –II) of B.Tech Civil students will conduct as per following sequence in this semester.

Activities of Project Phase – II (B .Tech Civil Engg. SEM-VIII)

1. Progress presentation I
2. Progress presentation II
3. Final presentations in front of DRC along with submission of spiral bound copy
4. Checking of project format on spiral bound by DRC
5. Submission of final bound copy along with published paper

Prof.V.K.Wandre
Project Co ordinator

Dr. J. S. Lambe
HoD Civil Engg.

Dr. J. J. MagdumCollege of Engineering, Jaysingpur.

BEST PRACTICE –1

DEPARTMENTAL RESEARCH COMMITTEE

Project / Seminar List

Dr. J. J. Magdum Trust's (No. E/902)

Dr. J. J. Magdum College of Engineering, Jaysingpur

Department of Civil Engineering

Following are the final list of project with allocation of Project Guide for Academic Year 2022-23

Group No.	Roll No.	Name of Student	Project Title	Guide
1	4	Aditya D. Desai	Construction site Inspection by using Drone or UAV	Dr. D.B.Desai
	3	Sneha R.Chhachwak		
2	143	Suraj P. Tadse	Use of Geosynthic materials in road construction	Dr. D.B.Desai
	39	Girish S.dhale		
	17	Netradeep M.Kamble		
	18	Joe kronspathai		
	24	Prathmesh R.Kamble		
3	9	Prajali Jadhav	Project Management in Construction by using primavera P6 Software	Prof.A.S.Sajane
	13	Karuna Jagtap		
	35	Bhagyashri Shinde		
	12	Roshani Jadhwar		
	14	Sayli Joyashi		
4	2	Sangeeta S.Birajdar	Manufacturing and Cost Analysis of Basalt	Prof.A.S.Sajane
	31	Komal Subhash Patole		
	34	Nishant P.Sankpal		
	21	Rameshwari M. Kharat		
	38	Praful Sarwade		
5	11	Suraj Umaji Jadhav	Performanace Study on Soil Stabilization Using Highly Valcanized Rubber Sheet	Dr.J.S.Lambe
	28	Sajid Ramjan Mullani		
	44	Ajinkyaraj Prakash Raut		
	46	SHAIKH SAAD AKIL		
	153	Amit Dhanasare		
6	43	Sharad D.Mohite	Recycling & reuse of construction waste for sustainable development	Dr.J.S.Lambe
	101	Rohit R.Amanna		
	139	SHAIKH ABUBAKAR A.		
	150	Anis Z.Mulla		
	9	Shoheb Mulla		
7	113	Sagar Sunil Ingale	Utilization of Plastic Waste In Paving Blocks	Prof.A.P.Chougule
	134	Prathmesh P Patil		
	138	Prakash R. Rode		
	142	Gourang M. Suryawanshi		
	148	Suraj P. Walekar		
8	112	Yogesh R.Hatekar	Experimental study on using Recycled aggregate in concrete in order replace natural aggreagate	Prof.V.K.Wandre
	145	Sujit Kamble		
	47	Sainath Kamate		
	48	Unmesh Shah		
9	26	Awais s.Mulla	Use of plastic in construction of Road	Prof.A.P.Chougule
	22	Afsar A. Khatik		
	30	Dhiraj T. Patil		
	8	Shivam P. hanage		
	37	Shubham S. sonawane		
10	104	BHANDARE AARTI V.	Experimental study on use of fly ash in concrete	Prof.S.P.Madnaik
	115	JAGATAP SONAM B.		
	137	RAUT DHANSHREE M.		
	140	SHINGADE DHANASHRI M.		
	147	WAGHMARE REVATI B.		
11	5	Asad Desai	Design of Slope Stabilization scheme in existing landslide prone area	Prof.S.S.Khot
	6	Pradnyesh D.Dharpawar		
	25	Vinayak k. Lokare		
	23	Virbhadra S.Koshti		

	29	Abdul H. Patel		
12	1	BADAGHAR ABBASALI J.	Biodegradable Material Management in JJMCOE Campus	Prof.D.A.Latthe
	16	KAMBLE DEEKSHANT P.		
	20	KHALIPHA SOHEL S.		
	32	PAWAR TEJASH S.		
	145	WAGHMARE DHRUV V.		
13	7	Onkar Dhange	Experimental Analysis of strength of fibre Reinforced M20 Grade Concrete	Prof.K.G.Ghodake
	15	Ashitosh Kadgaonkar		
	33	Vijay Powar		
	10	Sopan Jadhav		
	152	Srushthi R.Deshpande		
14	102	Mayur B. AWALE	Use of plastic aggregate in concrete	Prof.K.G.Ghodake
	105	Vishnu D.biradar		
	106	Satyajeet D.chawan		
	110	Milind P.Desai		
	122	Anik R.Madane		
15	118	KHALIPHA MUHAMMADZAID A	Study of Pervious concrete	Prof.S.P.Madnaik
	127	MANE VRUSHALI MAHESH		
	129	MIRZA FUA ISMAIL		
	130	MOMIN NAMIRA SHARIF		
	149	Chaitanya S.Tandole		
16	42	Badrinath M.Donawale	Experimental study of retrofitting and re-strengthening of RCC structure	Prof.V.K.Wandre
	120	Chintamani A. Khangutkar		
	121	Manthan C. Kothale		
	125	Shashikant A. Mali		
	128	Sourabh R. Medsinge		
17	19	Raju Gurappa Kengar	Fiber Reinforced Autoclaved Aerated Concrete (AAC) Block	Prof.S.V.Mane
	47	Sushant Dattatray Thorbole		
	117	Pranav Vijay Kale		
	135	Rajesh Ningonda Patil		
	146	Mayur Sanjay Waghmare		
18	114	JAGADALE NITIN B.	Manufacturing of Concrete block by using silica fumes	Prof.V.A.Patil
	111	GADEKAR VINAYAK D.		
	126	MANE POONAM S.		
	133	NANGURE APARANA A.		
	40	AJETRAO MAHADEV M.		
19	41	CHOUGULE SUDARSHAN M.	Brick Manufacturing using Plastic Waste & fly ash	Prof.S.S.Khot
	45	SAWANT MAHESH B.		
	109	DESAI APOORV A.		
	131	NADAF MOIEN M.		
	141	SOUDAGAR MAAZ S.		
20	108	CHOUGULE ANMOL VIJAY	Flood Disaster Management	Prof.D.A.Latthe
	116	Jamdade Swapnil Sunil		
	124	MAGDUM SAMMED VINOD		
	135	PATIL RAJESH NINGONDA		
	136	PATIL Saurabh Sanjay		

Dr. J. J. MAGDUM COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
JAYSINGPUR - 416 101.

H.O.D. Civil Engineering
Dr. J.J.Magdum College of Engg.
JAYSINGPUR - 416 101.

Dr. J. J. Magdum College of Engineering, Jaysingpur

Department of Electronics & Telecommunication Engineering

Class-BTech | 2022-23

sr.no.	Guide	Group No.	Roll no	Name of student	Title of project
1	Mrs P.P. Bellagi	1	1	POPAT	Automatic filling and weighing machine
			2	SONAWALE BHAGYASHREE	
2	Mrs. T.H.Mohite	2	3	DUSHYANT	Ambulance tracking with patient health monitoring system using GPS and
			4	SUTAR NIKITA	
3	Mr. M.M. Kolap	3	5	SHETTI NAMRATA SUNIL	Agriculture Robot
			6	KOSHTI SNEHAL PRABHAKAR	
4	Dr.Mahadik S.R.	4	7	KHOT PRADNYA ARUN	Atm Fingerprint System
			8	LATIF SANIYA SHAKIL	
5	Mr. M.M. Kolap	5	9	NADAF SANIYA HAROON	Smart helmet for bike riders safety
			10	shinge ranjeet balaso	
6	Mrs.M.U.Phutane	6	11	KAMBLE VINESH VIJAY	Fire Fighting Robot
			12	CHIKALAKKI DHANAPPA	
7	Dr. S.B.Patil	7	13	PATIL KOMAL BHANUDAS	traffic control and green corridor generation using drone
			14	KATE SNEHA SANJAY	
8	Dr.Mahadik S.R.	8	15	VAIDYA OMKAR VAIBHAV	Labour work monitoring
			16	GURAV TEJAS GURUDATTA	
9	Mrs. T.H.Mohite	9	17	REENA BABANRAO MADE	cold storage automation
			18	GAIKWAD SHWETA SURYAKANT	
10	Prof.M.B.Bhilawade	10	19	PATIL GAYATRI BHARAT	*Using GSM and GPS*
			20	SOMNATH	
11	Dr. S.B.Patil	11	21	SANKET SURESH BHOI	traffic control and green corridor generation using
			22	PATIL ROHIT CHANDRAKANT	
12	Mr. V.T.Kamble	12	23	PATIL CHETAN SANJAY	*Electrical power generation through speed breaker*
			24	ANIKET PATIL THORAT	
			25	KACCHI AKIL HANIF	*Raspberry Pi Based Intelligent Car Anti-Theft*

13	Mrs.M.U.Phutane	13	26	MUJAWAR TANJEEL MAHAMADRAFIK	*System Through Face Recognition*
14	Mrs P.P. Bellagli	14	27	JATHAR JAYESH SUNIL	Automatic CNC writing / drawing machine
			28	SUDHIR SALE	
15	Prof.M.B.Bhilawade	15	29	KORE CHAITANYA ARVIND	*Solar tracking system witauto cutoff battery ckt and inverter system*
			1	(ETRX)	
			2		

Dr. J. J. Magdum College Of Engg
Department
E&TC

HOD(ETC)

B.Tech CSE 2022-23
Project List

Grou	Roll	Name of Student	Remark/ Topic Name	Guide Name
G1	1	**pratiksha Gavali(L)**	Chatbot	Prof.A.V.Gundavade
	2	Neha Chavan		
	3	Hasnain Lakhani		
	4	Bishal Malakar		
G2	5	**Jivan Ananda Patil(L)**	Geofencing Hospitality	Prof.S.A.Narde
	6	Tejas Adhik Shinde		
	7	Pratik Parashram Jadhav		
	8	Shreyas Sunil Kamble		
G3	9	**Snehal Shivshant Patil(L)**	Construction Site Inspection by using Drone/UAV	Prof.Dr.D.A.Nikam
	10	Vivek Sanjaykumar Admuthe		
	11	Rushikesh Krishna Patil		
	12	Nischay Pradip Bhokare		
G4	13	**Vinayak Rajendra Sutar(L)**	Face Recognition attendance system	Prof.P.S.Ambupe
	14	Ajit mali		
	15	Mayuresh Mahesh Pujari		
	16	Sandesh Rajgonda Patil		
	17	MORE PRAJAKTA CHANDRAKANT		
G5	18	**Sanmay Anil Majlekar(L)**	Mall Customer Segmentaion	Prof.Dr.D.A.Nikam
	19	Prem Subhash Hogade		
	20	Sourabh Shivkumar Kesharwani		
	21	Vishwjeet Vijay Powar		
G6	22	**Saurabh Shivaji Daware(L)**	Urban Emergency Even Detection Using Social Media	Prof.Dr.D.A.Nikam
	23	Priyanka Mahadev Bamnale		
	24	Aishwarya Ashok Patil		
	25	Ruchita Uddhav Bhosale		
	26	AVADOBA SHAILESH KESHAV		
G7	27	**Mahesh Siddhu Dhangar(L)**	E- Health Care Cloud Solution	Prof. S.S.Salpute
	28	Aniket Govind Todkar		
	29	Pratik Rajendra Jatrate		
	30	Sourabh Bapuso Kole		
	31	BHANDARE ABHISHEK SANJAY		
G8	32	**Shraddha Rajendra Kore(L)**	Sponsored Website for Jewellery shop	Prof.A.V.Gundavade
	33	Sonika Hanmantrao Mahind		
	34	Takshak Vikram Desai		
	35	Komal Dewadas Dhok		
G9	36	**Aakanksha Kumbhar(L)**	Automatic Billing trolley	Prof.A.V.Gundavade
	37	Siddhi Shrirang Kundale		
	38	Rutuja Vijay patil		
	39	Tanuja Shivaji Sawant		
G10	40	**Manali Balasaheb Narute(L)**	Weather Forcast	Prof.P.V.Kothawale
	41	Sakshi Anil Patil		
	42	Karan Pandurang Kumbhar		
	43	Rija Kudartali Bagwan		
G11	44	**Harshwardhan Shinde(L)**	E-Prescription	Prof.P.S.Pathak
	45	Siddharth Ashok Khubikar		
	46	Abhishek Deelip Unde		
	47	Shreyas Haridas Shirke		

G12	48	priyanka uttam yedage(L)	Activity Monitoring For Smart Campus	Prof.P.V.Kothawale
	49	uttara uday repe		
	50	rutuja uttam patil		
	51	UTTURE OMKAR ANIL		
G13	52	Harshal Rajgonda Chandob	Sponsored website for Society	Prof.P.V.Kothawale
	53	Radhika Raosaheb Bhosale		
	54	Nutan Rajendra Sawant		
	55	Aditi Suresh Patil		
G14	56	Nihal Jamil Shaikh(L)	IOT Based Advertizing Display	Prof. R.D.Mane
	57	Harshvardhan Rajendra Patil		
	58	Prathamesh Vishnu Rokade		
	59	Pramod Vijay Powar		
G15	60	Prajakta Shashikant Patil(L)	Video Summerization For Servillence	Prof.P.S.Pathak
	61	Amruta Shinde		
	62	Purva Takale		
	63	Sanket Patil		
G16	64	Pournima Adgane(L)	Smart EV Charging Station	Prof. S.S.Satpute
	65	Isha Patil		
	66	Sakshi Jagdale		
	67	Kiran Narute		
G17	68	Snehal Bhanase(L)	Woman Safety App	Prof.S.B.Farade
	69	Kshitija Chavan		
	70	Pranav Gidde		
	71	Siddhesh Godhade		
G18	72	Sadiya Ramjan Nadaf(L)	Task Management application	Prof.S.A.Narde
	73	Rutuja Tanaji Kamble		
	74	Dhanashri Nilkanthrao Ghatage		
	75	Pratiksha Rajendra Jangam		
G19	76	Kedar Indrajeet Sutar(L)	Diabetes Prediction Using ML	Prof.S.B.Farade
	77	Roshankumar Nayaku Lavate		
	78	sankita katekar		
	79	Joya shaikh		
G20	80	Samruddhi Dixit(L)	Thyroid Detection Using ML	Prof. R.D.Mane
	81	Kranti Wani		
	82	Anjali Mali		
	83	Sonali Mohite		

Prof. P. S. Pathak
DRC Head

Prof. D. A. Nikam (HOD)
HOD

Dr. J. J. Magdum College of Engg. Dept of CSE

Dr. J. J. Magdum College of Engineering, Jaysingpur.
Department of Information Technology Engineering
Class-B.Tech.IT

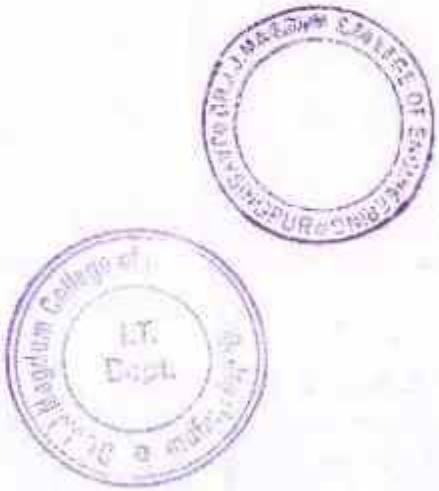
Btech Project Details -2022-23

Refer all PR1 PR2 And PR6 rubrics indetail to understand the meaniing of a,b,c,d before gi

Roll. No.	Name Of the Student	Title of the project	Faculty Name	Attendance Sheet
1	Gawas Aashwini Raghoba	Hospitality Service Management System	Ms. S. J. Chougule	
2	Kamble Siyang Prafulla			
3	Mithare Akash Suresh			
4	Nardekar Suraj Jaykumar			
5	Jamadade Shreya Anil	Gesture recognition based on virtual mouse & keyboard	Mrs. J. T. Patil	
6	Manglekar Rutuja Prakash			
7	Mohite Samruddhi Suresh			
8	Nimbalkar Aishwarya Prakash			
9	Hiremath Aditya Nandikeshwar	Fertilizer Optimizer	Ms. S. J. Chougule	
10	Jare Prashant Laxman			
11	Kumbhar Omkar Bajirao			
12	Momin Mohammad Raashid			
13	Patil Rohit Laxman			
14	Kamble Atish Vijay	Brain Tumor Detection Using Mask R-CNN	Ms. S. J. Chougule	
15	Khare Suraj Ravindra			
16	Mahamuni Shreyas Satish			
17	Mulla Haidarali Tajuddin			
18	Pawar Ashlesha Madhukar	Software for Vaishnavi Jewellers	Mrs. A. G. Chendke	
19	Potdar Dipali Gajanan			
20	Rajput Gouri Arunsing			
21	Wagh Poonam Prabhakar			
22	Bandgar Savita Appaso	Stock Management System	Mrs. J. T. Patil	
23	Pathan Muskan Isak			
24	Patil Divyarani Dattatray			
25	Rawal Manasi Mahesh			
26	Gavali Anushka Arun	Waste Food Management System Using Flutter	Mr. R.A. Bhartiya	
27	Kale Shubham Dinesh			
28	Mhamulkar Saniya Pandurang			
29	More Rohit Maruti			

30	Babar Yogeshri Shivaji	Medical Management System	Mr. R.A. Bhartiya	
31	Kenjale Kedar Dattatray			
32	Khade Nayan Navjeevan			
33	Patil Nikita Balkrishna			
34	Chavan Pooja Tulsidas	Dairy Automation	Mrs. P. R. Patil	
35	Dhole Akshata Yuvraj			
36	Jamadade Vrushali Tanaji			
37	Mane Prjakta Shivaji			
38	Chavan Gayatri Shashikant	Pet Adoption App	Mrs. P. A. Tambgave	
39	Jadhav Shreya Shrikant			
40	Magdum Akanksha Sadashiv			
41	Magdum Aniket Sadashiv			
42	Jadhav Shravan Ashok	Driver drowsiness detection system	Mrs. P. R. Desai	
43	Kanade Amrut Ananda			
44	Mane Sandesh Uttam			
45	Shelake Ashwagandha Mohan			
46	Gurav Prajwal Mahadev	E-Commerce Website with PWA Technology for Interiors and Electricals	Mrs. S. B. Holkar	
47	Sankpal Gourank Prashant			
48	Patil Prajakta Chandrakant			
49	Patil Pravin Pralhad			
50	Hukkeri Shrinath Rajkumar	Audio Sentiment Analysis	Mrs. P.R Patil	
51	Rasal Abhishekh Sanjay			
52	Desai Rahul Shivaji			
53	Uparate Sanket Sudhakar			
54	Mulla Aman Riyaj	Design an IoT based noise detection and alert system for silent zone areas.	Mr. R.A. Bhartiya	
55	Pujari Rushikesh Prakash			
56	Shaikh Juned Jahangir			
57	Shirdhone Chidanand Eknath			
58	Patil Sushant Vasabtrao	Gas Leakage Detector using Arduino UNO	Mrs. P. A. Tamgave	
59	Dhavale Pooja Yashwantrao			
60	Jadhav Snehal Dattatray			
61	Savant Sudhir Raghunath			
62	Patil Saiesh Shekhar	Advance dynamic E-commerce website for power jet appliances	Mrs. S. B. Holkar	
63	Patil Shridhar Suresh			
64	Shintre Gourav Girish			
65	Sutar Swapnil Satish			
66	Bhosale Omkar Shivaji			

67	Revanna Pratik Sachin	Fake news prediction	Mrs. P. R. Desai	
68	Sarnobat Prajwal Krushnat			
69	Shahapure Rajat Rajendra			



Dr. J. J. Magdum College of Engineering, Jaysingpur.

BEST PRACTICE –1

DEPARTMENTAL RESEARCH COMMITTEE

Best Project Identified

Dr. J J Magdum Trust's (No. E/902)

Dr. J. J. Magdum College of Engineering, Jaysingpur

Department of Information Technology

June 2023

Best Project of the Year

Roll No	Name of Student	Name of Project	Project Guide
54	Mulla Aman Riyaj	Design an IoT based noise detection and alert system for silent zone areas.	Prof. R. A. Bhartiya
55	Pujari Rushikesh Prakash		
56	Shaikh Juned Jahangir		
57	Shirdhone Chidanand Eknath		
14	Kamble Atish Vijay	Brain Tumor Detection Using Mask R-CNN	Ms. S. J. Chougule
15	Khare Suraj Ravindra		
16	Mahamuni Shreyas Satish		
17	Mulla Haidarali Tajuddin		
18	Pawar Ashlesha Madhukar	Software for Vaishnavi Jewellers	Mrs. A. G. Chendke
19	Potdar Dipali Gajanan		
20	Rajput Gouri Arunsing		
21	Wagh Poonam Prabhakar		
42	Jadhav Shravan Ashok	Driver drowsiness detection system	Mrs. P. R. Desai
43	Kanade Amrut Ananda		
44	Mane Sandesh Uttam		
45	Shelake Ashwagandha Mohan		
9	Hiremath Aditya Nandikeshwar	Fertilizer Optimizer	Ms. S. J. Chougule
10	Jare Prashant Laxman		
11	Kumbhar Omkar Bajirao		
12	Momin Mohammad Raashid		

Above project is awarded as The Best Project of the year by departmental DRC committee.

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Departmental DRC committee(DRC)-

Sr No	Name of faculty	Designation	Sign
1	Prof. R. A. Bhartiya	HOD, Assistant Professor	
2	Prof. P. R. Desai	Assistant Professor	
3	Prof. S. J. Chougule	Assistant Professor	
4	Prof. J. T. Patil	Assistant Professor	

DRC Co-ordinator

HOD,IT

Dr. J. J. Magdum College of Engineering, Jaysingpur
I.T. Dept.

Dr. J. J. Magdum College of Engineering Jaysingpur

Dr. J. J. Magdum College of Engineering, Jaysingpur

Department of Electronics & Telecommunication Engineering

BEST PROJECTS FOR 2022-23

Class-BTech | 2022-23

sr.no.	Guide	Group No.	Roll no	Name of student	Title of project
1	Mr. M.M. Kolap	5	9	NADAF SANIYA HAROON	Smart helmet for bike riders safety
			10	SHINGE RANJIT BALASO	
2	Dr. S.B.Patil	7	13	PATIL KOMAL BHANUDAS	traffic control and green corridor generation using drone
			14	KATE SNEHA SANJAY	
3	Mr. V.T.Kamble	12	23	PATIL CHETAN SANJAY	*Electrical power generation through speed breaker*
			24	ANIKET PATIL THORAT	
4	Mrs.M.U.Phutane	13	25	KACCHI AKIL HANIF	*Raspberry Pi Based Intelligent Car Anti-Theft System Through Face Recognition*
			26	MUJAWAR TANJEEL MAHAMADRAFIK	
5	Mrs P.P. Bellagli	14	27	JATHAR JAYESH SUNIL	Automatic CNC writing / drawing machine
			28	SUDHIR SALE	

PP Bellagali
DRC. Head

HOD(ETC)

Dr. J. J. Magdum College Of Engg
Department
E & TC
Jaysingpur

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

Department of Computer Science and Engineering

BEST PROJECTS of AY 2022-2023

As per the assessment process of Best Project Evaluation, following projects are selected as Best Project for AY 2022-2023.

1	9	Snehal Shivshant Patil(L)	Construction Site Inspection by using Drone/UAV
	10	Vivek Sanjaykumar Admuthe	
	11	Rushikesh Krishna Patil	
	12	Nischay Pradip Bhokare	
2	36	Aakanksha Kumbhar(L)	Automatic Billing trolley
	37	Siddhi Shrirang Kundale	
	38	Rutuja Vijay patil	
	39	Tanuja Shivaji Sawant	
3	22	Saurabh Shivaji Daware(L)	Urban Emergency Event Detection Using Social Media
	23	Priyanka Mahadev Bamnale	
	24	Aishwarya Ashok Patil	
	25	Ruchita Uddhav Bhosale	
	26	AVADOBA SHAILESH KESHAV	
4	40	Manali Balasaheb Narute(L)	Weather Forecast
	41	Sakshi Anil Patil	
	42	Karan Pandurang Kumbhar	
	43	Rija Kudartali Bagwan	
5	64	Pournima Adgane(L)	Smart EV Charging Station
	65	Isha Patil	
	66	Sakshi Jagdale	
	67	Kiran Narute	

Dr. D. V. Kodavade (External)

Prof. S. S. Satpute

Prof. R. D. Mane

Prof. P. S. Ambupe

Dr.J.J.Magdum Trust

Dr. J. J. Magdum College of Engineering, Jaysingpur.

BEST PRACTICE –1

DEPARTMENTAL RESEARCH COMMITTEE

Students Publication

Dr. J. J. Magdum College of Engineering, Jaysingpur

Department of Civil Engineering

3.2.1 Number of papers published per teacher in the Journals notified on UGC website during the year

Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
A review on enhancing terms of social housing in construction industry	Dr.D.B. Desai	IJSREM	2022	ISSN 2582:3930	https://ijsrem.com/download/effective-use-of-human-resource-development-for-improving-productivity-in-construction-industry-a-review/
Effective use of human resource development for improving productivity	Dr. D. B. Desai	IJSREM	2022	ISSN 2582:3930	https://ijsrem.com/download/effective-use-of-human-resource-development-for-improving-productivity-in-construction-industry-a-review/
A review of critical success factors in construction industry	Dr. D. B. Desai	IJCS	2022	ISSN 2250:1770	https://www.ijcspub.org/papers/IJCSP22C1158.pdf
Use of Agricultural material for effective industrial noise reduction in textile industries	Dr. D. B. Desai	IJIRE	2022	ISSN 2582:8746	http://ijarse.com/images/fullpdf/1474358966_598ijarse.pdf
Groundwater potential & recharge zones mapping using remote sensing & GIS for Kadegaon Taluka,Maharashtra,India	Dr. D. B. Desai	IJCEAE	2022	P-ISSN: 2707-8361	https://www.civilengineeringjournals.com/ijceae/article/19[illegible]179.pdf

Critical success factors in construction project	Dr. D. B. Desai	IJCS	2022	ISSN: 2250-1770	https://www.ijcspub.org/papers/IJCSP22C1158.pdf
Developing skills for successful leader	Dr. D. B. Desai	IJSREM	2022	ISSN 2582:3930	https://ijsrem.com/download/effective-use-of-human-resource-development-for-improving-productivity-in-construction-industry-a-review/
Labour productivity : A survey	Dr. D. B. Desai	IJEAST	2022	ISSN 2455-2143	https://www.ijeast.com/papers/170-171.%20Tesma0702.IJEAST.%2017034.pdf
Slip formwork	Dr. D. B. Desai	IJEAST	2022	ISSN 2455-2143	https://www.ijeast.com/papers/158-160.%20Tesma0702.IJEAST.%2017004.pdf
Recycling of sewage water for apartment	Dr. D. B. Desai	IJEAST	2022	ISSN 2455-2143	https://www.ijeast.com/papers/154-157.%20Tesma0702.IJEAST.%2016999.pdf
Construction site inspection by using drone or UAV	Dr. D. B. Desai	IJEAST	2023	ISSN 2455-2143	file:///C:/Users/Administrator/Desktop/101-103.%20Tesma0711.IJEAST.pdf
Groundwater potential & recharge zones mapping using remote sensing & GIS for Kadegaon Taluka,Maharashtra,India	Dr.J.S.Lambe	IJCEAE	2022	P-ISSN: 2707-8361	https://www.civilengineeringjournals.com/ijceae/article/19/3-1-9-470.pdf
SOIL STABILIZATION BY USING HIGHLY VULCANIZED RUBBER SHEET:	Dr.J.S.Lambe	WCSEM	2023	(ISBN : 978-93- 95470 -	https://wcsem.co.in/612-2/

"Use of plastic in bitumen for construction of road"	Prof.Mrs.A.P. Chougule	WCSEM	2023	(ISBN : 978-93- 95470 - 52-0)	https://wcsem.co.in/612-2/
"UTILIZATION OF PLASTIC WASTE IN PAVING BLOCKS"	Prof.Mrs.A.P. Chougule	WCSEM	2023	(ISBN : 978-93- 95470 - 52-0)	https://wcsem.co.in/612-2/
DESIGN OF SLOPE STABILIZATION SCHEME IN JOTIBA HILL REGION	Shruti S khot	WCSEM	2023	(ISBN : 978-93- 95470 - 52-0)	https://wcsem.co.in/612-2/
"Biodegradable Material Management in Dr. J.J. Magdum College Of Engineering Campus"	Prof. D. A. Latthe	WCSEM	2023	(ISBN : 978-93- 95470 - 52-0)	https://wcsem.co.in/612-2/
Study on the impact of textile industry effluents of Ichalkaranji city on the water quality(Water quality of Panchganga River at Ichalkaranji)	Sneha P Madnaik	GIS SCIENCE JOURNAL	2023	ISSN NO : 1869-9391	https://wcsem.co.in/612-2/
Investigation of COVID-19 Effect on Material Cost Used in Construction within Maharashtra State (India)	Prof. V.A.Patil,	IJIRSET	2022	ISSN 2319:8753	

Prof. Arati Chougule
FDC Coordinator(Civil)

Dr. J. S. Lambe
HOD, Civil Engineering

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Department of Civil Engineering

Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
SOIL STABILIZATION BY USING HIGHLY VULCANIZED RUBBER SHEET: A REVIEW	Dr.J.S.Lambe	WCSEM	2023	(ISBN : 978-93-95470 -52-0)	https://wcsem.co.in/612-2/
"Use of plastic in bitumen for construction of road"	Dr.J.S.Lambe	WCSEM	2023	(ISBN : 978-93-95470 -52-0)	https://wcsem.co.in/612-2/
"UTILIZATION OF PLASTIC WASTE IN PAVING BLOCKS"	Dr.J.S.Lambe	WCSEM	2023	(ISBN : 978-93-95470 -52-0)	https://wcsem.co.in/612-2/
Review on the impact of using eggshell powder in concrete to accelerate the hydration process of cement paste	Dr.J.S.Lambe	GIS science journal	2023	ISSN: 1869-9391	https://gisscience.net/volume-10-issue-6-2023/
Causes of accident & its impact on construction work	Dr.J.S.Lambe	IJAEM	2023	ISSN:2395/5252	
PROJECT MANAGEMENT IN CONSTRUCTION BY USINGPRIMAVERA P6 SOFTWARE	Prof.A.S.Sajane	WCSEM	2023	(ISBN : 978-93-95470 -52-0)	https://wcsem.co.in/612-2/
Cracks In Construction Causes Prevention And Repair	Prof.A.S.Sajane	WCSEM	2023	(ISBN : 978-93-95470 -52-0)	https://wcsem.co.in/612-2/
"Use of plastic in bitumen for construction of road"	Prof.Mrs.A.P. Chougule	WCSEM	2023	(ISBN : 978-93-95470 -52-0)	https://wcsem.co.in/612-2/
"Utilization of plastic waste in paving blocks"	Prof.Mrs.A.P. Chougule	WCSEM	2023	(ISBN : 978-93-95470 -52-0)	https://wcsem.co.in/612-2/

Design of slope stabilization scheme in jotiba hill region	S S khot	WCSEM	2023	(ISBN : 978-93-95470 -52-0)	https://wcsem.co.in/612-2/
"Biodegradable Material Management in Dr. J.J. Magdum College Of Engineering Campus"	Prof. D. A. Latthe	WCSEM	2023	(ISBN : 978-93-95470 -52-0)	https://wcsem.co.in/612-2/
Study on the impact of textile industry effluents of Ichalkaranji city on the water quality(Water quality of Panchganga River at Ichalkaranji)	S P Madnaik	GIS SCIENCE JOURNAL	2023	ISSN NO : 1869-9391	https://wcsem.co.in/612-2/
Application of microsurfing tech for optimising maintainance cost of rigid pavement in india	Prof.V.A Patil	ICSSMT	2023		
Application of microsurfing tech for optimising maintainance cost of rigid pavement in india	Prof.V.A Patil	ICSSMT	2023		
Review on the impact of using eggshell powder in concrete to accelerate the hydration process of cement paste	Prof.V.A Patil	GIS science journal	2023	ISSN: 1869-9391	https://gisscience.net/volume-10-issue-6-2023/

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DR. J.J. MAGDUM COLLEGE OF ENGINEERING
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Poster Presentation on Innovative Ideas / Robo Obsta/ Paper Presentation / Project Competition / Code War / Hire Me event Organised in **"Spectrum 2K23"** *under Lead College Scheme of Shivaji University, Kolhapur held on 21st March, 2023 at AGTI'S, Dr. Daulatrao Aher College of Engineering, Karad.*

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Prof. A. D. Awasare	Prof. H. M. Kumbhar	Dr. A. M. Mulla
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in Engineering Technology and Science

e-ISSN: 2582-5208

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Date: 01/05/2023

Certificate of Publication

*This is to certify that author "**Akill Hanif Kacchi**" with paper ID "**IRJMETS50400164528**" has published a paper entitled "FACE RECOGNITION-BASED INTELLIGENT CAR ANTI-THEFT SYSTEM USING RASPBERRY PI AND GSM MODULE" **in International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 05, Issue 04, April 2023***

A. Dewal

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1st April, 2023

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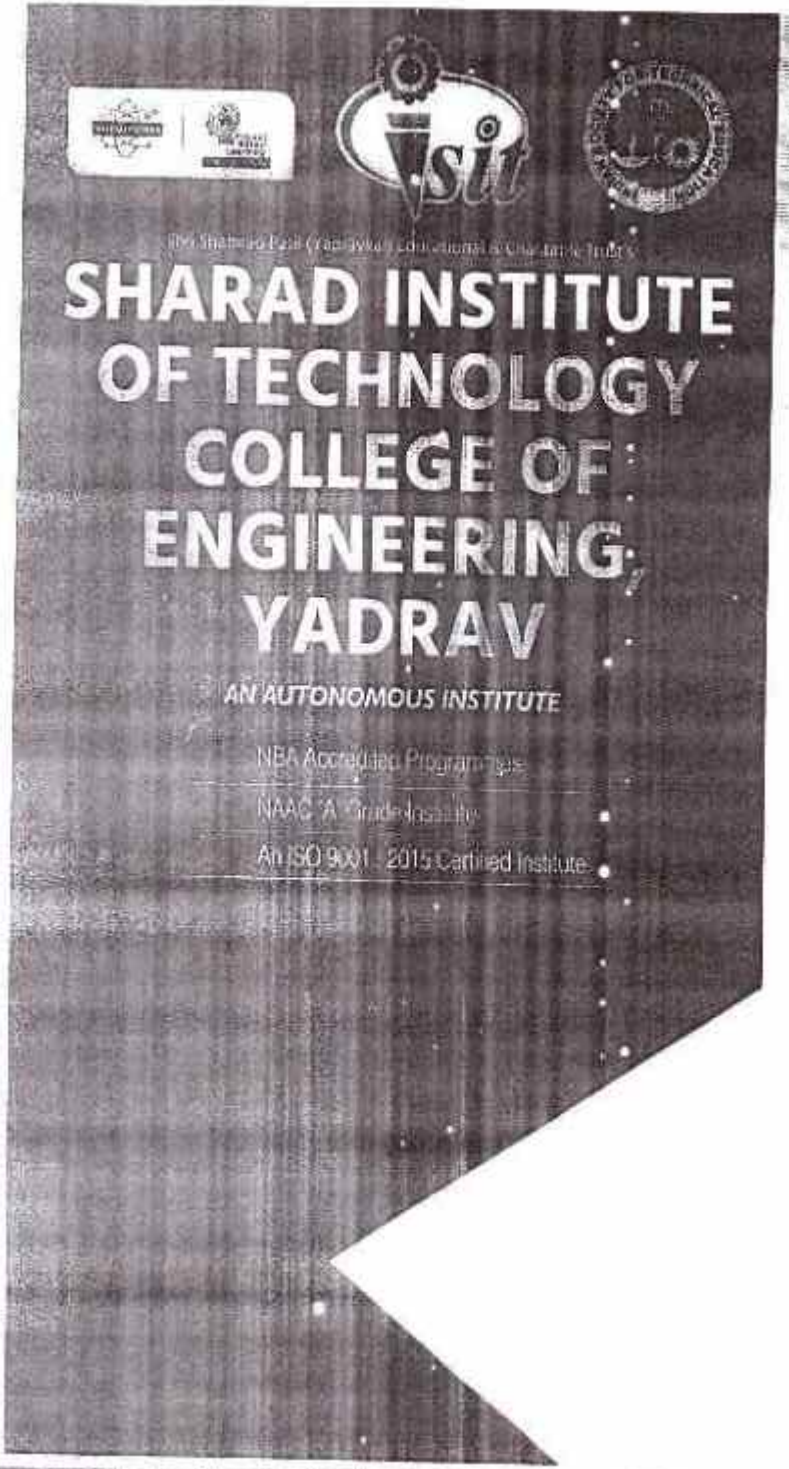
Mrs.Sharda Salunkhe	Dr.Sanjay A.Khot	Hon.Shri.Anil.A.Bagane
Event Convenor	Principal	Executive Director



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FACE RECOGNITION-BASED INTELLIGENT CAR ANTI-THEFT SYSTEM USING RASPBERRY PI AND GSM MODULE

Pro . M. U. Phutane*1, Akill Hanif Kacchi*2, Tanjeel Mahamadrafik Mujawar*3

*1Professor, Dept. of Electronics and Telecommunication, Dr. J. J. Magdum College of Engineering,Jaysingpur, Maharashtra, India.

*2,3Student, Dept. of Electronics and Telecommunication, Dr. J. J. Magdum College of Engineering Jaysingpur, Maharashtra, India.

ABSTRACT

Nowadays everyone has a car in the world, everyone wants to have a car, as the number of vehicles is increasing, the risk of theft vehicles is also increasing. The online report shows that in the last year (2022) ound 10 lakh vehicles have been stolen, this is a very serious problem, no one wants his car to be stolen, and there is fear in the car owner that the car will be stolen. To overcome this problem, we have developed a system in which the vehicle will not start without its owner. This system image processing-based Image processing-based real-time vehicle theft detection and prevention system provides the ultimate solution for this problem. In this paper, we describe the system which we designed at a low cost and this is an extendable framework. which is include FDS (Face Detection Subsystem), a GSM (Global System for Mobile Communications) module, and a control platform.

Keywords: Raspberry Pi, Face Detection System, GSM USB Camera.

I. INTRODUCTION

The objective of this system is to deliver security to the car by using face detection and to control the vehicle from any place by igniting the engine. Smart car security system using real-time face recognition is a real-world application that comes with the day-to-day activities of drivers. From this, we have developed a system, by using a system the owner of the vehicle can save his vehicle from being stolen. This system can provide the important functions required by advanced intelligent car security, to avoid vehicle theft and protect from the usage of unauthenticated owners. With this system, we can know who tried to steal the car we have the photos of the theft in the system database. This project will help us demote the complexity, enhance security, and be much more affordable and smarter than traditional ones. Project results show that it takes about one photo . 0*240 color jpeg image by software that is running on Raspberry Pi. It seems to be too long to be used in real-time detection.

II. METHODOLOGY

Numerous masses are intimate with Face detection technology through the Face ID used to unlock Phones and other smart devices, and facial attributes are probably the most common biometric features used by humans to recognize one another. The applications of facial recognition range from static, controlled authentication to dynamic, uncontrolled face identification in a cluttered background. Usually, facial recognition does not stand on a hefty database of photos to determine an individual's identity - it simply locates and recognizes one person as the owner of the device, while limiting access to others. While the authentication performance of the face recognition systems that are marketable available is reasonable, they impose several restrictions on how the facial images are obtained, often requiring a fixed and simple background with controlled illumination. One GSM module is added to the car security system to achieve important information about cars. GSM modem can rapidly send SMS messages to a set mobile phone or SMS server. So, the car owner and the police can be informed of the initial time. The Raspberry Pi is a series of credit card-sized single-board computers.

Face detection:

The camera detects and locates the image of a face, either alone or in a crowd. The image may show the person looking straight ahead or in profile.

Converting the image to data:

The face-capture process transforms analog information (a face) into a set of digital data based on the person's facial features.

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Matching Faces with Saved Database:

After successfully saving captured face of the owner of the car in the Database, If any person sits in the car the system initially captures the face of the respective person and this photo is cropped into 3. 0*240 pixels in resolution and then sends to the backend and this photo compared with database photo. If the database matches, then the car will start, else the car will not start, and one message will be sent to the mobile number which is linked to the database.

III. MODELING AND ANALYSIS

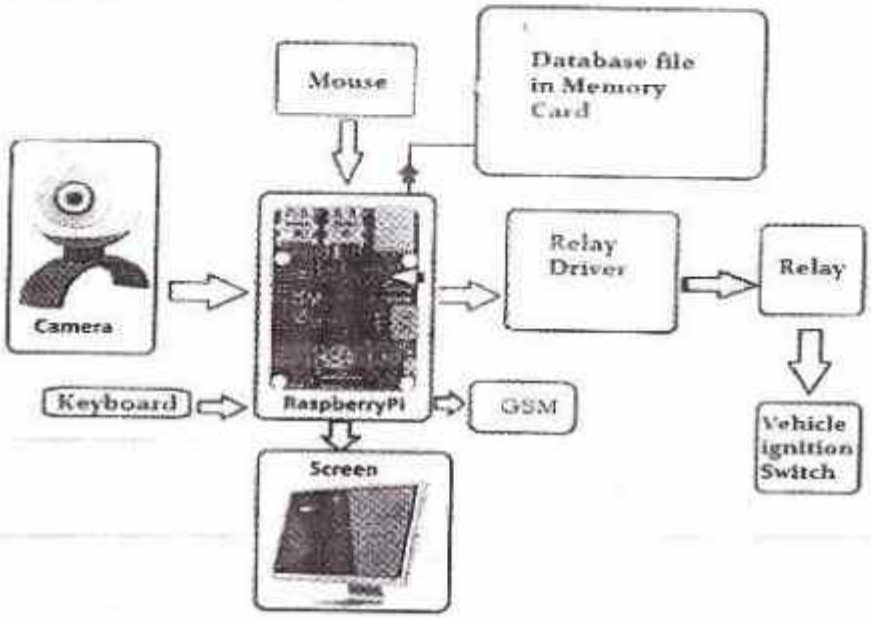

Fig 1. Block diagram

Face recognition is a non-intrusive method, and facial attributes are probably the most common biometric features used by humans to recognize one another. The applications of facial recognition range from static, controlled authentication to dynamic, uncontrolled face identification in a cluttered background. While the authentication performance of the face recognition systems that are commercially available is reasonable, they impose several restrictions on how the facial images are obtained, often requiring a fixed and simple background with controlled illumination. These systems also have difficulty in matching face images captured from two different views, under different illumination conditions, and at different times. It is questionable whether the face itself, without any contextual information, is a sufficient basis for recognizing a person from a large number of identities with an extremely high level of confidence. There are many algorithms used in face recognition and detection, and many more are being developed. Haar Cascade is the best and mostly used algorithm in face recognition. The main idea is to decorrelate data to highlight differences and similarities by finding the principal directions of the covariance matrix of multidimensional data. A part of the great efficiency of the Haar Cascade is to take only the best eigenvectors to generate the subspace (Face Space) where the gallery images will be projected, leading to a reduction of dimensionalities. In this paper we use the PCA algorithm. The major advantage of Haar Cascade helps in reducing the size of the database for recognition of test images. The images are stored as their feature vectors in the database which are found projecting every trained image to the set of Eigenfaces obtained. Haar Cascade is applied to the Eigenface approach to reduce the dimensionality of a large data set.

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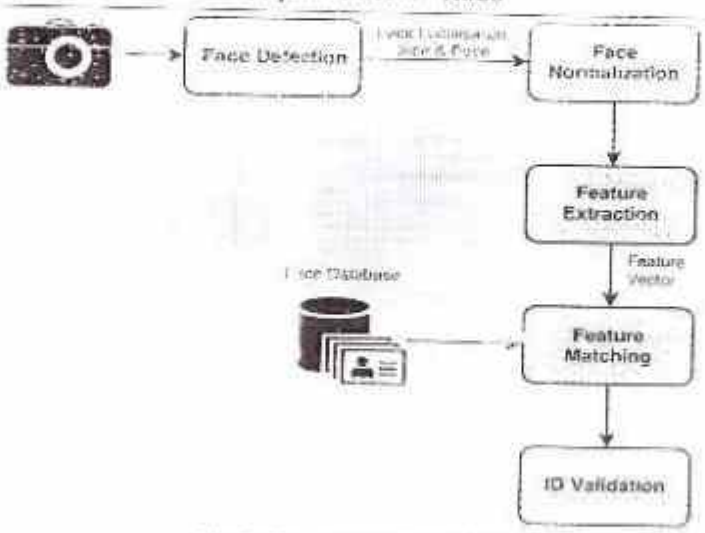

Fig 2. System flow diagram

Steps Involved in Algorithm

1. Get a training set of images.
2. Detect the face of all training images
3. Input these images as a training set into the face recognition stage
4. Compute weight vector for input training set using Haar Cascade
5. Give a new test image
6. Determine whether the new image is authenticated or not using Haar Cascade
7. If the driver is not authenticated, an SMS is sent and the vehicle Ignition is off.
8. If the driver is authenticated, no alert
9. Store the Driver's name, date, and time in a database file.

GSM module:

GSM Module is a device that can send/receive SMS or make the call automatically. It can be connected to any of the microcontrollers/raspberry pi. In case of any unauthorized driver trying to start the car, the system can send a message to the car owner in the

OpenCV:

Open CV (Open-Source Computer Vision) is a library of programming functions mainly used for real-time computer vision. Open CV is written in C++. There are bindings in Python, Java, and MATLAB/OCTAVIAA. Here the open CV is used for processing the given image and for comparing the image.

IV. RESULTS AND DISCUSSION

The main working principle of the project is, into the image to detect and recognize it. Further, the recognized image of the driver is compared with the image in the database, and then the vehicle will start otherwise it will not start. The program for face detection is coded using Python language. This program is run on Raspberry Pi. The image of the person is captured immediately by the USB Camera.

V. CONCLUSION

From this, we have developed theft control techniques that can furnish the main functions required for advanced intelligent Car Security, to avoid vehicles from getting stolen from theft and protect them from the usage of doubtful users. A secure and safe environment system for the vehicle owner and the investigators' key points can be easily found with the thefts image. We can predict theft by using this system in our day-to-day life. This work will help to reduce the convolution and enhance security, and also be much more reasonable and smarter than traditional ones. Experiment results show that it takes about 6 seconds to detect one 320*240 color jpeg image by software that is functioning on Raspberry Pi. It seems to be too long to be used in real-time detection.

VI. REFERENCES

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[3] Car Anti-Theft System through Face Recognition using GPS & GSM Module [Snehal Deshmukh, Pranali Devade, Sayali Gadhave, Gayatri Lahamge, Prof.S.A. Hadke, 2020] "IJRECE VOL. 8 ISSUE 1 JAN.-MAR 2020"

[4] Anti-theft Protection of Vehicle by GSM & GPS with Fingerprint Verification [Mrinmoy Dey*, Md. Akteruzzaman Arif and Md. Asif Mahmud, 2017] ["International Conference on Electrical, Computer and Communication Engineering (ECCE), February In 18, 2017 978-1-5090-5627-9/17"]

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Group No. - 10 (Advanced Bus ticketing System)

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International Journal of Research Publication and Reviews

(Open Access, Peer Reviewed, International Journal)

ISSN 2582-7421

Sr. No: IJRPR 53686

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Signed Ankush Agarwal

Date 24/04/2023

Editor-in-Chief
International Journal of Research Publication and Reviews

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ISSN 2582-7421

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IJRPR

Signed Ashish Agarwal

Date 24/04/2023

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(A+ Grade, Impact Factor 5.536)

ISSN 2582-7421

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Certificate of Acceptance & Publication

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Advanced Bus Ticketing System

Prof. M. B. Bhilawade[1], G yatri Bharat Patil[2], Mohini Somnath Chavan[3]

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ABSTRACT:

The use of bus traveling is a large growing business in all countries. The manual use of bus reservation is presently very strenuous and also consumes a lot of time [illegible] being in queue for a long time. For

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] In this paper, the proposed Advanced bus ticket system was developed using Hyper Text Markup Language (HTML), Cascading Style Sheet (CSS), JavaScript, Embedded C, [illegible], Proteus for designing PCB

Keywords: Bus Reservation, Queue, Efficient.

INTRODUCTION

A proper and systematic public transport plays a major role in economic development and well being of the people in any country. Bus public transport in most of the developing countries is not running properly because of the lack of systematic planning and monitoring. In this project, we are planning to monitoring operations of bus transportation systems. We propose use of minimal information i.e. record of arrival time of the buses at the bus stops, for improvement of bus transportation system. Public Transport is one of the important infrastructures of any country. In developing countries like India bus transport consists of 90% of public transport.

However, lack of systematic mechanism to monitor and manage the bus network is leading to lack of predictability of the bus network. It gets difficult to [illegible] predict the arrival times. Bus transport system faces the ever increasing problem of traffic and congestion. The [illegible] We propose the use of advanced wireless technologies [illegible] about arrival time of buses at bus stops all over the deployment area.

LITERATURE SURVEY:

1) Empowering Bus Transportation System Using Wireless Sensor Networks

Indian Institute of Technology, Kanpur, India; Tata Research Development and Design Centre, New Delhi

[illegible]

and GSM infrastructure on each bus. This is costly in comparison with the RFID and WSN infrastructure. RFID technology works best in short range communication scenarios and is very sensitive to interference resulting into an infeasible solution for road conditions. In authors have enhanced reading range of RFID by incorporating WSN and propose use of WSN with traffic signaling system to get maximum clear way for buses. We propose to use wireless sensor network as a feasible technology relying on its low cost and adequate location estimation.

2] Vehicle Data Acquisition And Telemetry

2014 Fifth International Conference on Signals and Image Processing 978-0-7695-5100-5/13 $31.00 © 2013 IEEE DOI 10.1109/ICSIP.2014.57 2014 Fifth International Conference on Signal and Image Processing

Data Acquisition (DAQ) and Telemetry are part of the winning formula of any race team or vehicle manufacturer. It is vital to the development phase of a vehicle, so that designs can be validated and tunable parameters adjusted to increase performance and efficiency. Existing DAQ systems fail as they are of universal application type and turn out to be extremely costly and power hungry. Also, the lack of filtering stages is an issue for sensor data coming from a moving vehicle. The system discussed in this paper was designed specifically for automotive application, taking into account the size, cost and performance, while also taking care of the noise factor by including digital filters. The system was found to be 2.2 times more cost effective than current modules, with a data rate of 9600Hz and 10 bit resolution for DAQ and the telemetry system working at a serial data baud rate of 9600 transmitted wirelessly through a ZigBee network.

BLOCK DIAGRAM:

RESULT AND CONCLUSION:

[illegible]

System performance is also found to be satisfactory. This is a user-friendly application. Through this application, the cost can be reduced and efficiency is increased. There are several procedures that can be selected by customers.

FUTURE SCOPE:

- Display system at every bus stop
- Making information available on mobiles

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Cold Automation Storage

Prof. T. H. Mohite[1], Reena Babanrao Made[2], Shweta Suryakant Gaikwad[3]

[1,2,3]Dep. of Electronics & Telecommunication, Dr. J J Magdum College of Engineering, Jaysingpur, Maharashtra, India

ABSTRACT:

Cold chain is one of the important tools for farmers of perishable produce, pharmaceuticals to connect with markets and to realize meaningful productivity. A dearth of continuous electricity, absence of any warning systems, and labour power add to the troubles of cold storage owners. A smart IoT connected device which acts as data acquisition device and a controller serves the problem solution. Food spoilage and subsequent imports can be reduced by modernization of storage and warehousing facilities through industrial automation and remote control systems. But due to lack of technology and ignorance about humidity and temperature effect on raw foods many times, food safety is not maintained well enough. In food industry, cold storage is critical, the goal of storage is to preserving the raw foods within for a certain period of time. For Food or Agro industries monitoring of the foods or materials which are perishable are subject to constant monitoring, if just a simple thing goes wrong then it can become a result in a big loss. A home grown solution to industrial automation that is cost, energy, and resource efficient with standard automation, control and communication features.

INTRODUCTION

Food is considered as one of the essential things for our lives. It is important to reduce food waste and increase the production-consumption ratio. Storage and warehouse are very important part of industry, as they are the source for providing raw material to major industries by storing in the preserving for long time. Continuous growth in the cold chain management has been reflected in the growth of globalization. Shortage of government owned cold storages and cold storages owned by mostly the upper-class people in towns, making it unavailable for the poor or low class farmers. A storage facility should maintain the proper environmental conditions of the stored Product. For instance to store fruits, low temperature, in order to maintain quality, improve their shelf life and extend marketing period of fruits is control of environmental studies. Quality of fruits and vegetables has huge impact of surrounding during storage, we can only maintain the quality of fruits and vegetables therefore it is important to store it in proper ecosystem. For storage of food items in a cold storage various measurements are required to record the temperature, humidity and other factors in different parts large cold storage to make the automation work effectively. A proper storage mechanism should be incorporated to avoid the food wastage. Demand can irrespective of seasons which in turn avoids fluctuation in price of the product. For the optimization and for enhancement of working condition of cold storage, it is necessary to be automized. Due to automation it results in increase in product marketing and increase in profit of companies. For this purpose automation of cold storage is necessary.

LITERATURE SURVEY:

1 This paper outlines a remote monitoring system of temperature, humidity, gas and light control for cold storage warehouses. Food spoilage and subsequent imports can be reduced by modernization of storage and warehousing facilities through industrial automation and remote control systems. A home grown solution to industrial automation that is cost, energy and resource efficient with standard automation, control and communication features has been developed and presented in this paper. Experimental results reveal the scalability, [illegible], accuracy, stability, economy and ease of deployment of developed system.

2. K. Zhang and J. Liu. Study on Human-air Based Intelligent Control Method of Fruit & Vegetable Cold Storage 2009.

Food spoilage and subsequent imports can be reduced by modernization of storage and warehousing facilities through industrial automation and remote control systems. A home grown solution to industrial automation that is cost, energy, and resource efficient with standard automation, control and communication features has been developed and presented in this paper. Experimental results reveal the scalability, [illegible], accuracy, stability, economy and ease of deployment of developed system.

3. [illegible] 2015. IoT - Advanced Monitoring of Cold Chain [illegible] sensor network [illegible] infrastructure [illegible] are physical world objects to the internet and allow one easy access to these objects in order to monitor and manage them. The objects are associated with unique identification capability to [illegible] without the intervention of human and [illegible] play a major role in this paradigm in relaying the physical object data to the internet. This paper explores the idea of IoT to realize the monitoring of cold

supply chain through the deployment of wireless sensor network in logistics and cold storage facilities and integrating them to the [illegible] cloud for a complete monitoring and end-to-end visibility.

4. R. Freire, F. Soares, V. Vieira, J. Machado "Monitoring and Control of a Cooling System in a Commercial Store." *The world congress on engineering* Vol. II, June 30-July 2 2010, London, UK. This paper presents a case-study for the optimization, the monitoring and the automatic control of a refrigeration system in a commercial store. The existing controllers were replaced by Omron temperature controllers, connected to an industrial network and linked to a central computer for data monitoring and temperature control using a Lab View software. In case of an alarm occurrence, this system includes a routine that automatically sends a GSM message to alert the person responsible for the store. This functionality is not yet available in commercial system

5. Koo, P. S., & Ho, H. Y. (2016). An IoT-based Occupational Safety Management System in Cold Storage Facilities. In the contemporary strategy of cold chain logistics, cold storage plays an important role to keep the inventory under the extreme environmental conditions. As the demand of cold storage services is growing rapidly nowadays, attention paid on occupational safety of warehouse workers is increasing under extreme working environment. Traditionally, the safety of workers are assessed by their experience and personal judgement. Without automatic data capturing tools, it is hard to monitor the actual health status of workers who may be dangerous when working too long in the cold storage facilities. In addition, there is a lack of prompt signal to managers and first-aid teams for instant treatment when the workers get cold injuries or illnesses. Therefore, the real-time health monitoring and positioning of the workers are required. Nowadays, Internet of Things (IoT) is a vision of real-time interconnection system in which target objects are equipped with the identifying and sensing technologies.

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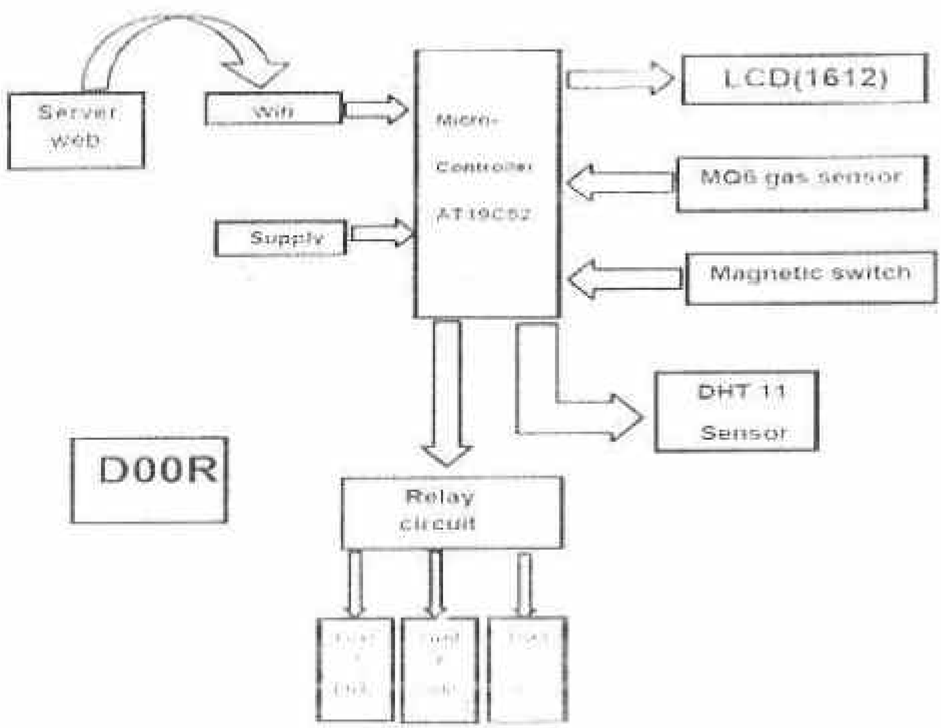

(1)

RESULT AND CONCLUSION:

[illegible]

[illegible]

FUTURE SCOPE:

1. By automation of cold storage there is increase in profit.

2. [illegible]

3. Plays main role in development of food sector.

4. It will be time saving for opening of [illegible].

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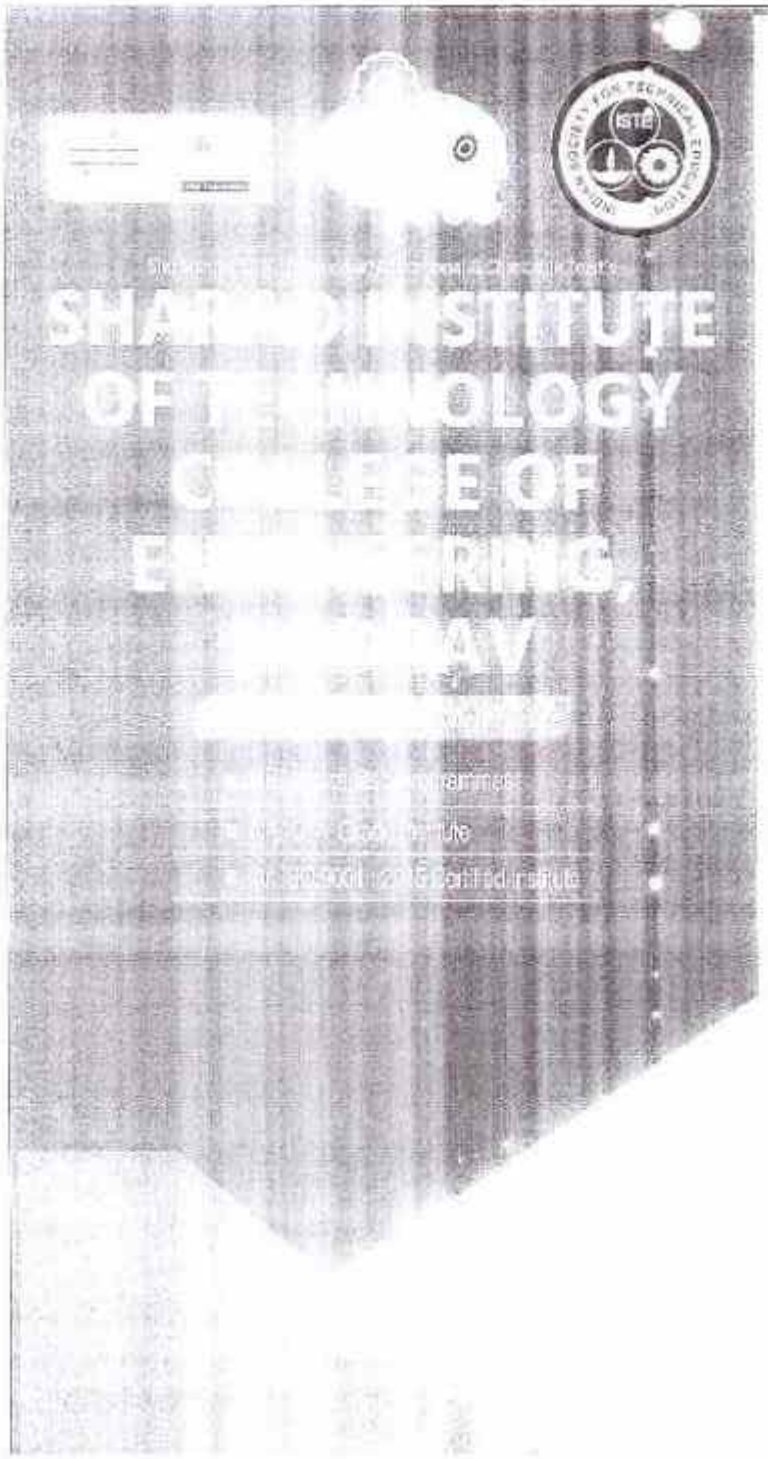
[6] [illegible] (2009) [illegible]



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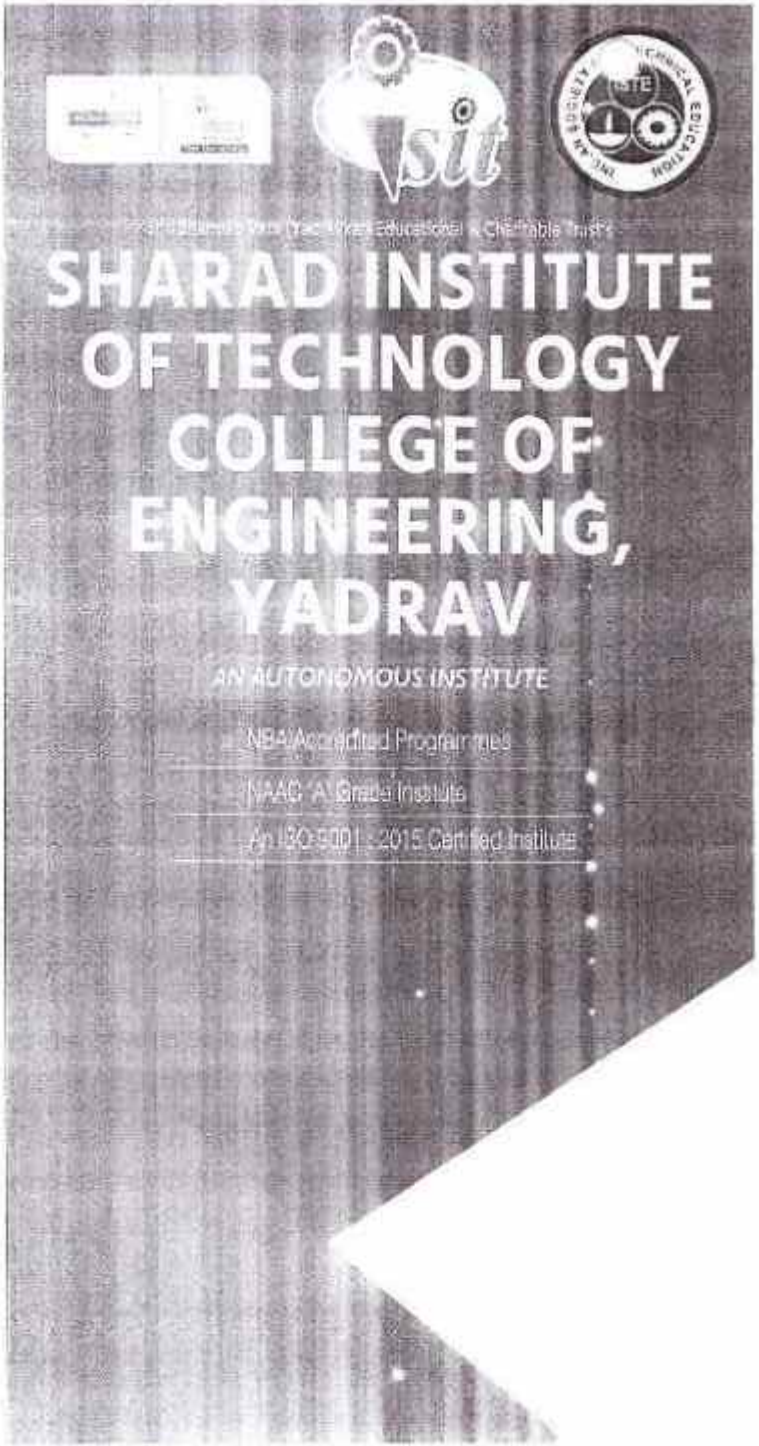

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Labour Work Monitoring System

Dr. S. R. Mahadik[1], Omkar Vaibhav Vaidya[2], Tejas Gurudatta Gurav[3]

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ABSTRACT:

In past few years automation has reached to new revolution. Industrial relations is the term that describes how the management and the employees of a company interact with each other. We are going to implement this project in industries with the aim to monitor the work of labours. Designing a system which may owner of industry/foundry by getting in front of a single monitor and [illegible] on his whole system is very profitable and time saving. The title of project is "Labour work monitoring system".

This system will record the operation time of the machine and also details of worker who is operating it. It can also be used to monitor active and productivity of employees, hence it may help business financially. All the system is designed on basis of smart card and microcontroller. This system is based on microcontroller and web server designing. In this project we are going to have an RFID smart card reader, which will interfaced by the microcontroller AT89C51. The production data will be upload on the Web Server through Wi-Fi module (IOT).

INTRODUCTION

Industry has become the second largest employment generating sector in the world. Data concentration system is an Automated Information System which gives better control over production monitoring and takes corrective steps immediately. It provides better control over working process of labours. Continuous performance of every single worker in a mill gives a high productivity. With its increasing growth and demand, textile industry faces many problems which have to be changed. One of the methods to solve these problems is the use of automation in the industries. Automation can be defined as the process of reducing human assistance in the process performed. In most sectors of manufacturing, automation is one of the major key to improvement and maintain working hours of labour. A process control or automation system is used to automatically control an industry. The Process Automation System uses a network to interconnect sensors, controllers, operator terminals and actuators. During the past 15 years, the Internet revolution has redefined business to Consumer (B2C) industries such as media, retail and financial services. In the next 10 years, the Internet of Things revolution will dramatically alter manufacturing, energy, agriculture, transportation and other industrial sectors of the economy which, together, account for nearly two-thirds of the global gross Domestic product (GDP). It will also fundamentally transform how people will work through new interaction between humans and machines.

LITERATURE SURVEY:

[1]. **Prof. Niranjan M, Madhukar N, Ashwini A, Muddsar J, Sahib M (Department of Electronics and Communication, Jain College of Engineering Belagavi, India)** Internet of Things (IoT) in industries has created a new revolution in industries. IoT in industry has given rise to the term "INDUSTRY 4.0" where systems are connected to each other over the internet and can communicate with each other to take necessary decisions (also called as M2M communications) through artificial intelligence. In this paper, we shall design a system which will automatically control and monitor the industrial appliances and also allow the user to control the appliances from anywhere in the world. Having control over the applications over the internet is one of the best ways to deal with the industrial applications. **Keywords:** Artificial intelligence, Industry 4.0, M2M communication

[2]. **D. L. Wu, Wing W. Y. NG, D. S. Yeung and H. L. Ding,** "A brief survey on current RFID applications," in *Proc. International Conference on Machine Learning and Cybernetics*, **Baoding, July 12-15, 2009, pp. 2330-2335** [illegible]

[3]. Umar Farooq, Mahmood ul Hasan, Muhammad Amar, Athar Hanif and Muhammad Usman Asad. [illegible]

and biometrics to accomplish the required task. When the RFID reader installed at the entrance of hostel detects a number, the system captures the user image and scans the database for a match. If both the card and captured image belong to a registered user, access is granted; otherwise the system turns on the alarm and makes an emergency call to the security van through GSM modem. In this way, the suspicious [illegible]

[4]. G. Ostojic, S. Stankovski, and M. Lazarevic, "Implementation of RFID technology in parking lot access control system," in *Proc. Annual RFID Eurasia Conference*, 2007, pp. 1-5. Currently, there are many parking lot management systems in use. However, most of them are not suited to the problem of car theft. For example, a thief can drive a stolen car into a parking lot, and because the gate does not have any mechanism to detect whether the driver is the owner of the car, the gate will be open according merely to whether the driver pays the parking fee. A thief can drive away with a luxurious car easily using his own parking ticket. We propose a new scheme to prevent the car theft. We adopt radio frequency identification technology conforming to EPC global Class 1 Generation 2 to our scheme design. Our scheme supplies an easy, secure and high security parking environment for customers and the parking management system.

[5]. Using Assembly and C By Janice Gillispie Mazidi, Muhammad Ali Mazidi, and Rolin D. McKinlay. This textbook covers the hardware and software features of the 8051 in a systematic manner. Using Assembly language programming in the first six chapters, it provides readers with an in-depth understanding of the 8051 architecture. From chapter 7, this book uses both Assembly and C to show the 8051 interfacing with real-world devices such as LCDs, keyboards, ADCs, sensors, real-time clocks and the DC and Stepper motors. The use of a large number of examples helps the reader to gain mastery of the topic rapidly and move on to the topic of embedded systems project design.

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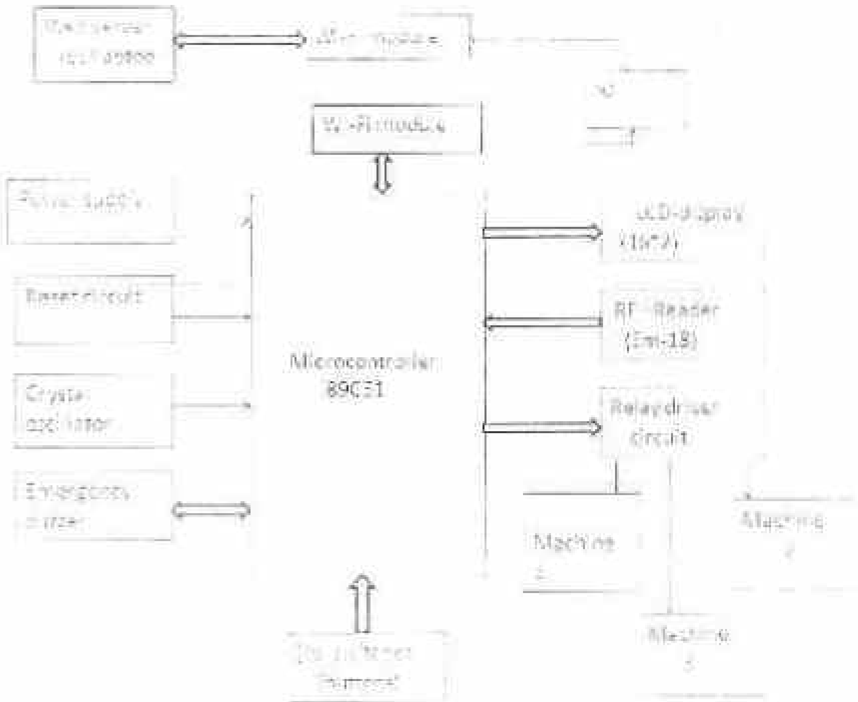

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TRAFFIC CONTROL AND GREEN CORRIDOR USING UNMANNED AERIAL VEHICLES (DRONES

during the National Conference NCETET-2023 with ISBN : 978-93-91535-44-5

held on 31st March 2023

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TRAFFIC CONTROL AND GREEN CORRIDOR USING UNMANNED AERIAL VEHICLES (DRONES)

Komal Patil[1], Sneha Kate[2], Rohit Patil[3], Sanket Bho[4],Dr.SB.Patil[5]

1.2.3.4. STUDENT

ELECTRONICSANDTELECOMMUNICATION,DR.J.J.MAGDUMCOLLEGEOFENGINEERING JASINGPUR,INDIA

5 STUDENT ELECTRONICS AND TELECOMMUNICATION, DR. J.J. MAGDUM COLLEGE OF ENGINEERING JASINGPUR, INDIA

ABSTRACT

Recently, Unmanned Aerial Vehicle (UAVs) has cached lots of instructed researchers developing them. They are numerous applications such as agriculture pesticide spraying drones, security drones, and surveillance dronesfor providingmedicinesto users, food packetdeltvery drones, etc. In this paper, the design of the prototype drone is shown for traffic monitor control and the green corridordrone has a flight time capacity of 15 minutes guidance for an ambulance giving green corridor to it.The dronehas a wirelesspublicaddress system(PA)whichis controlled bytraffic.

KEYWORDS-DRONE,GREENCORRIDOR,PUBLICHEALTH,TRAFFIC CONTROL,UAV

I] INTRODUCTION

Approximately two to five percent of a counter's gross domestic is lost to traffic congestion. With increasingindustrialization, urbanization & population, there has been tremendous growth in traffic. With growingtraffic, these are rise in problems. Which include traffic jams faced by ambulances fire brigades & othervehicles. Emergency vehicle benefit is enormously influenced since of activity. Delays in coming to the clinic may lead to the misfortune of life of a persistent. These things require a Expedient. The Deane Rules (unused Rules) 202) characterizes plan as "an air ship that can work independently or can be worked remotely, without a pilot on board. Rambles are moreover known as unmanned flying machine frameworks. However, with technologicaladvancements, their use for civilian purposes & has evolved in recent years. Drones provide productivity &efficiency at low costs for a variety of activities. Most drones have a present day built-in Cameras, Speaker, conveyance, etc. The observation employments of communed airborne vehicles (UAVs) have developed since of their capacity to function in unsafe areas whereas keeping their human administrators at a secure remove. The bigger UAVs to give a dependable long length, cost-effective, stage for surveillance as well as weapons. They have developed to gotten to be an vital instrument for the military. The address we postured for the extend was whether little UAVs moreover had utility in military and commercial/industrial applications.

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II] HEADLINE

Inthispaper,thedesignof the prototypedroneisshownfortrafficmonitorcontroland the green corridordronehas 15 minutesguidance for ambulancesgivinggreen corridortoit. The dronehas a wirelesspublic addresssystem(PA)which iscontrolledbytraffic. Themainobjective ofthisprojectistocreatea"greencorridor"fortheambulancesothattheambulance can reach the hospitalwithout havingtofacemanyobstacles.

III] FIGURESANDTABLES

For somebody modern to the multicolor side interest, putting together your to begin with quad copter parts list can be greatly overwhelming. Attempting to figure out what to purchase and what parts will work together is extreme, particularly for individuals who don't come from a foundation in radio-controlled planes or helicopters. Gatherings are pressed with individuals who need to construct a quad copter but don't know where to begin. It can be disappointing attempting to sort through the Thousands of posts on gatherings and blogs and figuring out what to do. We've listened from a part of peruses who are in comparable positions and this post is planned to spell out precisely what you wish for your to begin with quad copter construct. Whereas we'll suggest a total list of particular parts that we have utilized and tried for a total quad copter construct, the most reason of this post is to supply a common outline of the parts required to construct a quad copter. Here's what you'll require.

- Motorx4
- ElectronicSpeedControl(ESC)x4
- FlightControlBoard
- Radiotransmitterandcollector
- Propeller x4(2 clockwiseand2 counter-clockwise)
- Battery& Charger
- WirelessBluetooth
- Camera

IV] SPECIFICATIONS–

4.1] FRAM

Fair as vital as great hardware, multi-rotors depend on the consider, lightweight bodies for mounting components. There are incalculable outline plans of changing shapes, measurements, and materials. Stiffer outlines bestow way better flight characteristics since less distorting and bowing can happen. On the off chance that a outline is as well fragile, in spite of the fact that, your inescapable crashes will result in more visit repair sessions. Outlines have to be both solid and stiff, while being light sufficient to jump around within the sky with ease. One of the most common materials for multi-rotor frames is carbon fiber. A great many of its physicalproperties are perfectly suited to the hobby. The only catch is that carbon fiber is known to block radio signals,which is obviously not ideal for a hobby that depends on multiple transmissions. It can be used though

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and lighter. Just be aware that blocked signals are a possibility. Frames can also be built at home using aluminum orbalsasheet.Butresultswillvary from manufactured frames,both aestheticallyandin termsofflightattributes.

Figure4.1 F450 FrameArm

Arms moreover play a imperative part within the battle against vibrations, which can cause a number of distinctive issues. Flight controllers, with their sensitive barometers and spinners, don't by and large respond well to unremitting shaking. Shake them too much through a destitute setup and you may see sporadic behavior, some of the time awful sufficient to cause crashes. Vibrations are too the fear of anybody trusting to utilize a camera on a multi-rotor. The wavy, headache-inducing twisting shaped as a result of dynamic checking.

4.2 MOTORS

The correct gadgets are a to begin with step toward making flight, but a multi-rotor isn't going anyplace without great old-fashioned commonsense material science to drag it upwards. Your choice of motors plays a essential part within the victory of a competent setup. Typically too the point when details begin to induce complicated. You'll need to do a few investigate some time recently settling on the proper arrangement for your quad. And engines are costly, making it indeed more imperative to consider the choices carefully.

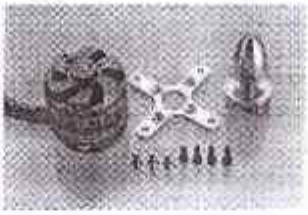

Figure4.2 BLDCmotor

Quad copter almost exclusively uses brushless DC motors (BLDC), as they provide thrust-to-weight ratiossuperiortobrushed DCmotors. However,theyrequiremorecomplex speedcontrollers.

4.3 PROPELLERS

Moreover crucial are the propellers you select. The assortment of props is apparently more prominent than any other component we examine; materials, measurements, and cost spun a mind-bogglingly wide run. By and large, cheaper props are less absolutely made and more inclined to making vibration

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FIGURE4.3 PROPELLERS

A more broad prop setup (with correspondingly-low KY engines) is less demanding to fly relentlessly, employments less current, and lifts more weight. To be perfectl honest, perfect way"=the most perfect way to gage the correct run for engines and props is by alluding to producer suggestions in the event that you're building an ARTF pack. Otherwise you can essentially compare ie setups of more experienced builders

4.4 ELECTRONICS SPEED CONTROLLER(ESC)

Electronic speed controllers (ESCs) are used in many R/C applications. They decipher signals to electrical supply. These speed controllers acknowledge commands within the frame of PWM signals and yield the fitting engine speed accordingly. Each ESC features a current rating, which demonstrated the most extreme current that it may give the engine without overheating. Fitting ESCs must be chosen to guarantee that they can give sufficient current for the engines. We chose 30A DYS ESC for our venture (Figure 4.4), as they are well-reviewed for utilize with quad copters and have an adequate current rating. Which indicated the maximum current that it may providethe motor without overheating. Appropriate ESCs must be chosen to ensure that they can provide enoughcurrent for the motors. We selected 30A DYS ESC for our project (Figure 4.4), as they are well-reviewed for usewith quad copters and have a sufficient current rating. The only other major factor to consider is an ESC'smaximum current rating, which must exceed the current draw to each motor. Generally, 30 A for medium/largequadsand10to12A fora small quadrangleisplenty.

Figure4.4Electronic Speed Controller Schematic

4.5BATTERY

Multi-rotors draw a tall current and can effortlessly drag 40 A on a soak rising. As a result, strong batteries are a need for conventional flight times. The industry standard is lithium-ion polymer (LIPO) batteries. Generally lightweight, compact, and advertising tall release rates, LIPO is well-suited for multi-rotors. LIPOs packs too have C appraisals that demonstrate the greatest rate at which a pack can be released, with C standing for capacity. A 20C pack can be released at a rate 20 times it is capacity. Capacity, in this manner, is the third critical calculate. It's measured in milliamp-hours (mAh). Let's say our 20C pack features a capacity of 4000 MAH. Given what we know approximately C evaluations, ready to do the math and decide its greatest release at up to 80,000 mAh, or 80 A. Comparative to ESCs, you with a release rate that's higher than the combined draw current of your engines

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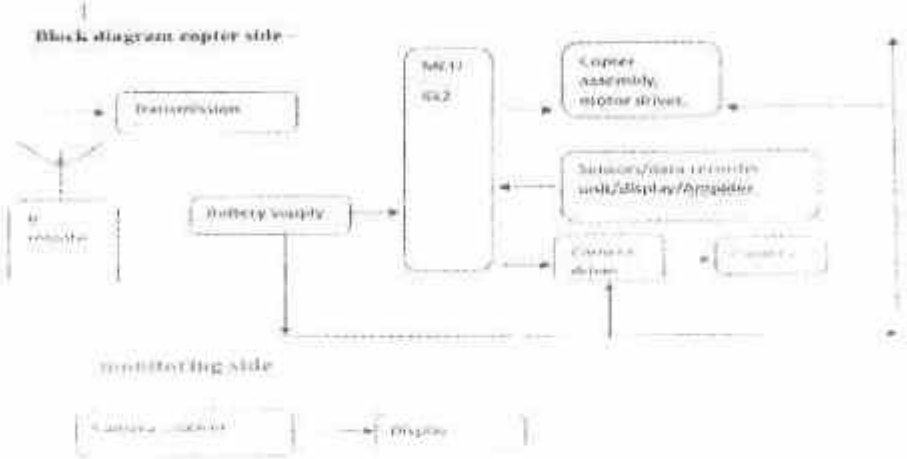
4.6 RADIOTRANSMITTERAND COLLECTOR

The radio system on an FPV (first-person view) multi-rotor is, of course, the control system. Again, both atransmitter and receiver are needed, and the choice of frequency is an important one. There are generally fewerfrequencies available for control systems. The foremost common is 2.4 GHz, in spite of the fact that 35 MHz and 72 MHz were prevalent within the past, too. UHF frameworks are getting to be progressively predominant Transmitters are accessible either as a single unit or, less commonly, as secluded pieces. After you purchase the transmitter shell, sticks, handles, and switches on their claim, without radio equipment, you at that point require a transmitter module to radiate your inputs. Devotees with numerous models communicating over distinctive frequencies regularly discover this approach valuable, since it's simple to swap out modules. The Turning 9XR is an illustration of a quality, reasonable secluded transmitter.

4.7 FLIGHTCONTROLLER

Multi-rotors are interesting within the world of R/C specialists. Ordinarily, when it comes to controlling a show vessel or plane, the pilot has supreme, exact control over the engine. A bump of the throttle deciphers to a relative increment in RPM. The same is genuine of input to the rudders, ailerons, folds, and other parts included in changing speed or heading. The distinction with multi-rotors, whether or not advantageous, is that no human is capable of controlling therotational speeds of three or more motors simultaneously with enough precision to balance a craft in the air.Thisiswhere flightcontrollerscome intoplay.

V] CONCLUSION



We can conclude drone is implemented with the public address system (PA)to address traffic, method traffic to guide and control the road traffic for fluent flow without any occurrence of traffic jam. The drone also guides ambulances to get green corridor implementation of public address system (PA) andobservingthetrafficthrough a

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Fire Fighting Robot

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ABSTRACT

With the development in the field of robotics, human intrusion has become less and robots are being widely used for safety purpose. In our day-to-day lives, fire accidents have become common and sometimes may lead to hazards that make it hard for the firemen to protect human life. In such cases, a firefighting robot is used to guard human lives, wealth and surroundings from the fire accidents. Here we implement two modes of robotic operations- Manual mode & Automatic mode.In the Manual mode, PHP webpage is used to control the robotic vehicle. In Automatic mode, the robot takes controls by itself based on the user predefined command. To detect fire we use OpenCV for image processing. Standard colors of fire are defined by upper and lower boundaries of HSV color spaces of red, orange and yellow. The water spraying mechanism is completely automatic to both the modes. In the PHP webpage we have a control to switch between manual and automatic modes based on our choice.

INTRODUCTION

As robotic Technologies have improved and has been an integral part of our lives lots of people have made attempts to find an alternate for human work and efforts with new improvement in technology of embedded design particularly when people risk the lives during fire hazards. This allows robots to act to their full potential and understand complex and difficult scenarios aftermath of a disaster however it would be effort full if we robots fight against fire hazards rather than responding after the occurrence of the hazard. The need for production systems in cities and major towns has been mandatory and this robot has been built to match the difficult environment of such topographical areas. The basic idea is to implement fire sensors positioned by estimation of the range of fire radiation. There are smoke detectors and gas detectors which are normally cheap and easy solution for fire detection. What recent developments that includes distributed fire optic temperature sensors which are used to extinguish fire. This module uses wireless sensor structures ultrasonic sensors that sensor obstacles and moves according to the detected obstacles. Digital image processing technique has been used with a color video camera and it could sense the flames.

LITERATURESURVEY

1. The proposed model is able to detect presence of fire using flame sensor and calculates object distance using

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ultrasonic sensor and moves the robot to fire affected location. It controls gear motors and motor driver to control the movement of robot. When it detects fire it communicates with microcontroller (Arduino MEGA) and the robot will move towards the fire affected area. [1]

2.Robot is a machine that seems as though a person and performs different complex assignments. There are numerous kinds of robot. Here a FIRE Quenching ROBOT is proposed. This robot is furnished with a solitary fire sensor used to detect ecological fire and feed the signs to the microcontroller so as to trigger the siphon which sprinkles water so as to stifle the fire. [2]

3. This robot uses dc motor, Arduino microcontroller, sensor, pump and sprinkler, it uses smoke sensor for detection and fire extinguisher to extinguish the detected fire.Therefore this arduino based robot is designed to control the fire through a robotic vehicle. the robot rotates while fire is detected, this detection is performed by the sensors which is placed on the sides. [3.]

4. The project that is being presented is focused on a firefighting robot. Robots are capable of performing tasks in a more efficient, cost-effective, and accurate manner than humans. It has grown in popularity as technology has advanced, making human work simpler.]

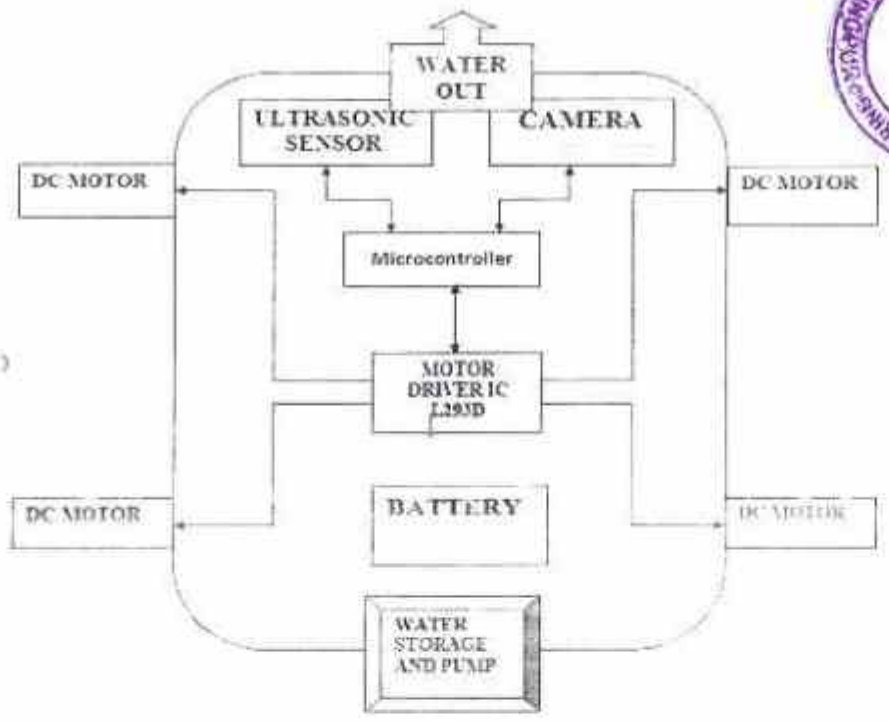

Fig1. Block Diagram

Initially a local adhoc network is created with a single device generating the Wi-Fi hotspot and a second device connects to it. Once it is successfully connected there is an option to start the robot either in auto or manual mode. In auto mode the robot is switched ON by simultaneously running two python scripts one for color

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detection and another for running motors. There is also a separate program for ultrasonic sensing which is called from the main GPIO program. The command for running a python script in Microcontroller terminal is once the python program is run and the camera or ultrasonic sensor detects anything, the corresponding arguments are displayed in the terminal. The arguments we have used are

- "FIRE detected" in case any colour constituent is detected
- "Obstacle detected" if any obstacle detected by Ultrasonic sensor
- "MANUAL MODE" for manual mode operation
- AUTO MODE" for auto mode operation

RESULT AND CONCLUSION

The automated fire-fighting robot is capable of detecting fire and extinguishing the fire source successfully. The raspberry pi controls the DC motor and ultrasonic sensor for movement of robot. It can detect fire under normal and dark lighting conditions and better suited for extinguishing fire inside a building. The Fire Fighting Robot is fabricated with locally available materials and some tests are done to observe its effectiveness at different situations. As the Fire Fighter Robot has to endure different situation, this effectiveness test will help us to make a better model. The Fire Fighting Robot is effective enough to fight against fire on a small scale. It can sense fire flame better at darker places. It is made as a preventer robot. Because it can detect fire instantly and can extinguish it before spreading. This multisensory based robot may be a solution to all fire hazards. With enough funding and scope, this design of robot can also fight against large fire with larger reserving capacity and an improved sensing unit can provide even an earlier detection of fire at all circumstances

FUTURE SCOPE

IOT can be implemented onto the robot to control it from another location in manual mode. More sensors can be mounted to achieve a better performance and we can also reduce the reaction time detecting the fire source. With the addition of a 360° camera we can achieve a great field of view. The storage can be replaced with a water pipeline for extinguishing larger fire source. Colour detection of fire is not very reliable. Hence a thermal camera can be installed rather than the USB camera to achieve better detection of fire source based on intensity

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[4] S Kirubakaran , S P Rubanyaa, S P Thanawarshan, E Vigneshkumar 2021

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IOT based Smart Helmet

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ABSTRACT

India, known for its large youth population, has a high incidence of bike accidents due to a lack of helmet usage. Many young people are more interested in following fashion trends than protecting themselves from head injuries. Unfortunately, this has resulted in an increase in bike accident fatalities. Drunk driving is also a significant contributing factor to bike accidents, with many accidents occurring due to negligence. To address these issues, a smart helmet utilizing the internet of things has been developed. This helmet has several features, including only allowing the bike to start if the rider is wearing a helmet, shutting off the ignition if the rider is over the legal alcohol limit, and sending an alert to a registered contact in the event of an accident. Additionally, a speed lock feature prevents the rider from exceeding 60km/hr, with an audible warning triggered if they do. This system is comprised of two modules, one on the helmet and one on the bike. The helmet module includes an alcohol sensor and a helmet switch, while the bike module includes a vibration sensor, GPS, and GSM. These two modules communicate wirelessly using an RF transmitter and receiver with an encoder and decoder, all controlled by an 8051 microcontroller.

INTRODUCTION

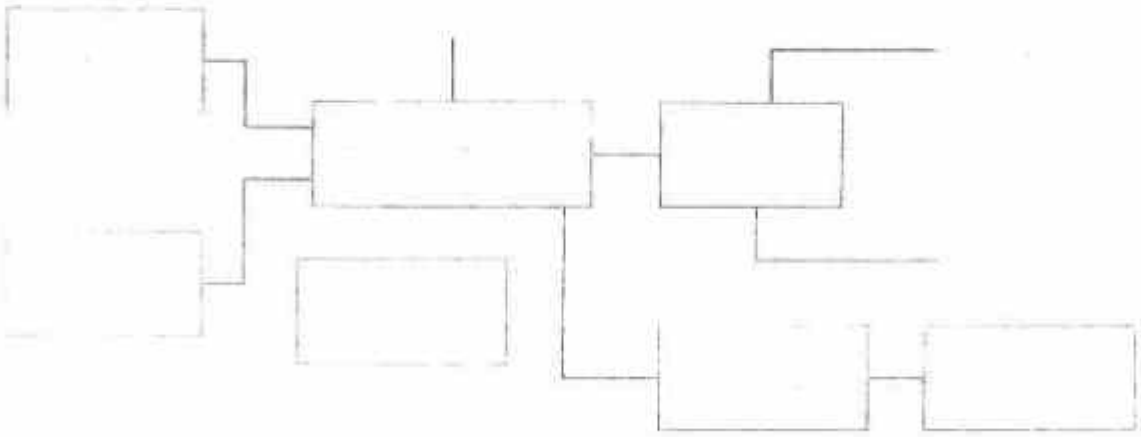
We have created a new design for a SMART HELMET FOR BIKE RIDER'S SAFETY, which is described in detail below. The claimed portion of the design of the SMART HELMET FOR BIKE RIDER'S SAFETY includes advanced features such as alcohol detection, accident identification, location tracking, hands-free device usage, and fall detection, all of which are designed to enhance rider safety. This smart helmet also functions as a feature of a smart bike, with a compulsory requirement to wear it. If the rider fails to wear the helmet, the ignition switch will turn on and an alarm will start beeping to alert the rider, while a message will be sent to the RTO. An RF Module is used as a wireless link for communication between the transmitter and receiver. If the rider is drunk, the ignition gets automatically locked and a message with the location is sent through the GSM module with the help of GPS. The distinctive utility of this project is fall detection, if the rider falls off the bike, a message is sent to alert others. Finally, a speed lock is set at 60km/hr, and if the rider exceeds that speed, a buzzer will start beeping to warn them.

LITERATURE SURVEY:

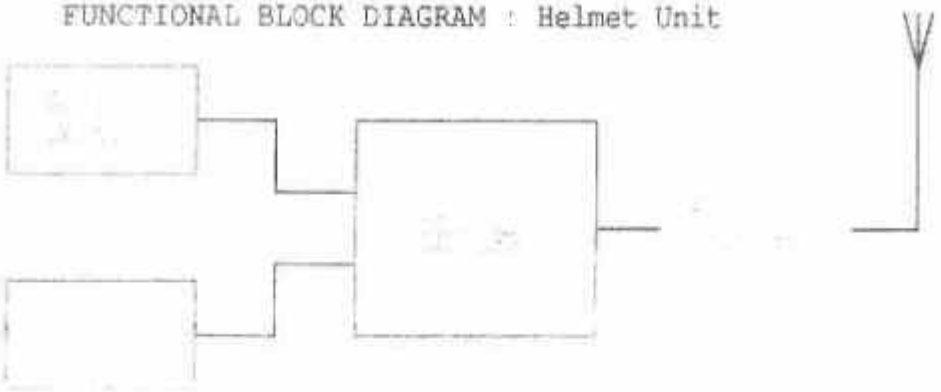
Mohammad Ehsanul Alim et.al [1] has given an approach Arduino NANO and Arduino Mega-2560 are microcontrollers which control the entire components of the system. Two 2.4 GHZ nRF24L01 for communication between reader and receiver. MQ-3 alcohol sensor is used which can detect whether the bike rider is consumed alcohol or not. If the bike rider is alcoholic, then the MQ3 sensor detects it and turn off engine. A Sharp IR sensor detects the head of the rider within the specified range. The Bike rider's engine will start only when the rider will buckle the helmet. GPS & GSM Technology is used for tracking the location of the bike rider and sending text message to the family members of the bike rider when an accident occurs. Dhruvesh H. Patelhas et.al [2] proposed an approach which the System is plan and implemented such a way that the bike will not starts until the rider wear helmet and pass an alcohol test, this will help to solve the problem of 'drink and drive'. It consists of GSM GPS technology which sends the message to the family member as well as hospital with the current location at the time of an accident.

BLOCK DIAGRAM:

FUNCTIONAL BLOCK DI GRAM : Vehicle Unit



FUNCTIONAL BLOCK DIAGRAM : Helmet Unit



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IOT Based Smart Locker System

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Dept of Electronics & Telecommunication,
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ABSTRACT: As mankind leads into a new age of modernization, security issues and measures have become exceedingly important. Considering an educational institute or workplace, keeping one's belongings safely with a minimal interface is the need of the hour. The traditional lock and key method of keeping personal items safe is clumsy and inconvenient. The recent developments in technology have provided innovative solutions to this problem. Gone are the days of the troublesome key and lock. Radio Frequency Identification (RFID), along with Internet-of-Things (IoT), is a secure, user-friendly and efficient method to safeguard things. This combination comes with advantages such as high security, simplicity, cost-effectiveness and 'misplace-proof' methodology. This paper proposes a Smart RFID-IoT based Locker system. The locker works on RFID authentication technology, which is unique to every identity card of the user. It is also enabled with Wi-Fi connectivity to facilitate continual status monitoring, user login-logoff data storage, and unauthorized access surveillance.

INTRODUCTION: The main purpose of this paper is to design and implement a system based on a Password and a Radio- Frequency Identification RFID. This system is basically a password and an RFID based access-control system which permits only an authentic person to unlock. For doing this, the system will activate and authenticate the user. We have applied a security system via a passive type of RFID and a PASSWORD based on Atmega16 microcontroller. The RFID reader reads the ID number form RFID tag. Then enter the password from a Keypad, if the ID number of the tag and the password are correct, then the will unlock. The aim of constructing this system is to put in place a formidable locker security system with low cost and free of errors.

Looking up after valuables is a common practice to protect them from thieves. Now days, atomization has reached in various fields. . Atomization in banks has not yet been enrolled up to a desired level. Though bank plays an important role in a common man's life Thus, we will be developing the system which will improve the level of atomization in banks

Here's a sophisticated electronic code lock using micro controller 89s52. This code lock has following features:

1. Here we will be providing a 3 level security system.
2. A four by four matrix keypad is used for inputting the password.
3. RF-ID card has a code which will be read by microcontroller and microcontroller will compare this code with the permanently stored code.
4. The password comprises four digits which will offer a greater security. If the security has to be increased up to 9 or 10 digits it can be increased without modifying any component with the help of software only.

5. Two separate relays are provided: Relay A is provided for opening the lock and relay B is used for closing the lock.

LITERATURE SURVEY:

1]

IOT BASED SMART LOCKER SECURITY SYSTEM

This project will focused on effective recognizing and controlling system for Bank locker room which is fully self determining. In cases of robberies, its commonly happen that the banned entrance in the locker room area which can be detected by our security system. If the robbery take place the banks are not be capable to recognize the robber due to absence of the proof by using the current human operated security system. The system will designed in effective way by recognizing and controlling illegal person to access the locker for the safety of bank locker room.

In this, we proposed a three phase conformation of procedure for smart locker, by providing User Name and Password, using Fingerprints and OTP which check out the user. As compare to any other previous approaches our system uses the verification process which generates an OTP to registered mobile number which highlights the smart security.

2]

FINGERPRINT BASED BANK LOCKER SYSTEM USING MICROCONTROLLER

The main aim of the paper is to design and implement the Fingerprint based bank locker system using microcontroller. Biometrics studies commonly include fingerprint, face, iris, voice, signature, and hand geometry recognition and verification. Many other modalities are in various stages of development and assessment. Among these available biometric traits finger Print proves to be one of the best traits providing good mismatch ratio and also reliable. The present scenario to operate a bank locker is with locks which are having keys. This does not provide good security to our lockers. To provide perfect security to the bank lockers and to make the work easier, this project is taking help of two different technologies viz. EMBEDDED SYSTEMS and BIOMETRICS.

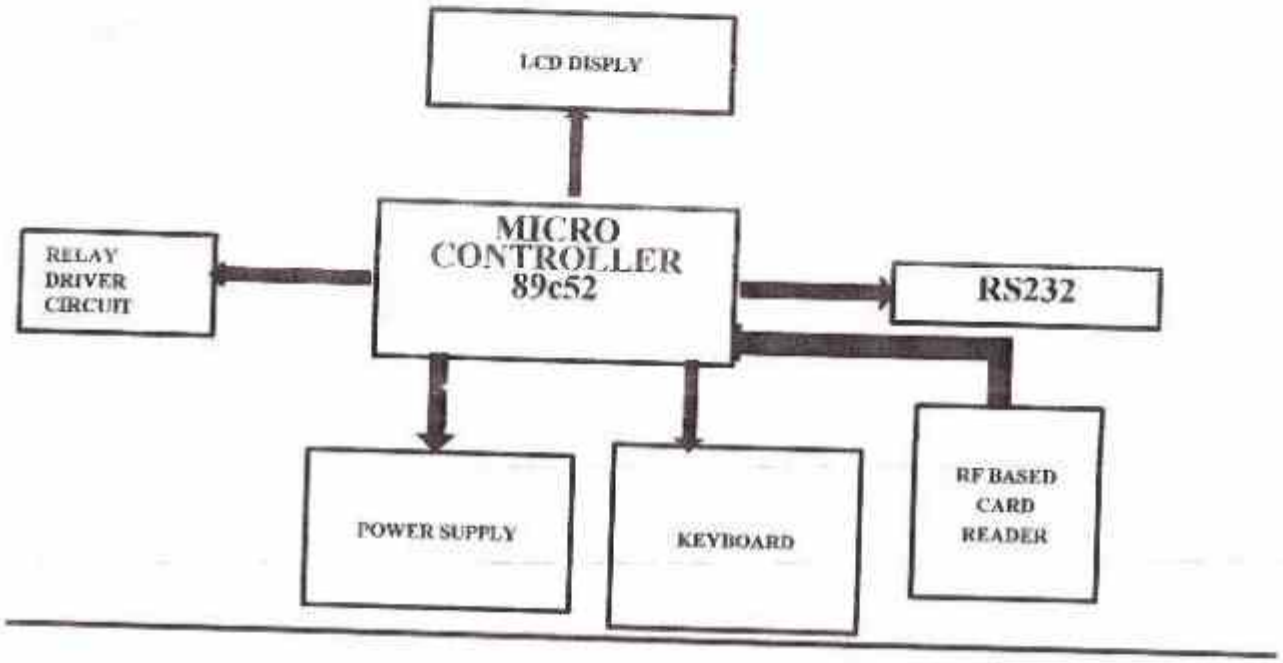
3]

Design and Implementation of ATM Security System Using Vibration Sensor and GSM Modem

In the era of digitalization, everyone needs money without interaction with bank at any time. So

the ATM (Automotive Teller Machines) are installed everywhere in the localities. As the number of ATMs increased, prevention of theft and security of customer is the prime objective. At present, security systems are not highly secured as they are only provided with alarm system. This project deals with design and implementation of ATM security system using vibration sensor and GSM Modem. The prime objective of this project is, to secure the ATM system
using vibration sensor and GSM modem. In this project, when a thief enters and tried to harm the machine, the vibration sensor which is attached to the machine get vibrate and sends the signal to the ARDUINO microcontroller. Once the controller receives signal, it locks the door of ATM room by sending signal to the dc motor and sprinkler sprinkles the chloroform to make the thief
unconscious. The buzzer will also be getting activated at the same time to alert the nearby people of ATM system. Simultaneously, the controller will send a message to an authorized person of the bank through GSM modem and The door is made to open only after entering the password by
the bank staff. The project is implemented and worked successfully.

BLOCK DIAGRAM: Functional Block Diagram:



RESULT AND CONCLUSION:

In this paper, a smart RFID based compact locking system. RFID enabled 'Read-Authenticate' algorithm was used for user verification. The system provides impressive security in a user-friendly manner requiring minimum human intervention. The proposed system was also able to track and monitor the locker activity over definite intervals of time. It used Wi-Fi connectivity to communicate with a centralized server, where the locker records were stored in a database allowing continuous tracking and surveillance. This initiative opens up many new areas of interest, such as integrating such a locker with prevalent intelligence techniques like Computer Vision or Speech Recognition, to make deposition and registration even more smooth, secure, and smarter.

FUTURE SCOPE: You can accomplish a variety of accounting tasks with their assistance. Electronic locks, in addition to unlocking and locking doors, can also be used to keep track of working hours. When an employee uses an RFID tag to unlock a door, the system receives a door open signal and records the time the employee arrived and departed the company.

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[2] Neeraj Khera, Amit Verma "Development of an Intelligent System for Bank Security" 2014 5th International Conference-Confluence The Next Generation Information Technology Summit(Confluence)

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[4] S.Tanwar, P.Patel, K.Patel, S.Tyagi, N.Kumar, M.S.Obaidat "An Advanced Internet of Thing Based Security Alert System for Smart Home" fellow of IEEE and Fellow of SCS

[5] Mrutyunjaya Sahani, Chinmaye Nanda, Abhijeet kumar Sahu and Biswajeet Pattnaik "Web-Based Online HEmbedded Door Access Control and Home Security System Based on Face Recognition" 2015 International Conference on Circuit, Power and Computing Technologies [ICCPCT].

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This certificate is awarded to Prof. M. M. Kolap, and certifies the acceptance for publication of research paper entitled "Design & Operation of Agriculture Based Pesticide Spraying & Grass Cutting Robot" in "International Journal of Research Publication and Reviews", Volume 4, Issue 5, 2023 .

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Design & Operation of Agriculture Based Pesticide Spraying & Grass Cutting Robot

Prof. M. M. Kolap[1], *Namrata Sunil Shetti*[2], *Snehal Prabhakar Koshti*[3]

[1,2,3]Dept. of Electronics & Telecommunication, Dr. J. J. Magdum College of Engineering, Jaysingpur, Maharashtra, India

ABSTRACT:

Spraying pesticides manually outdoors can be challenging due to factors like an open environment and unfavourable weather conditions. To minimize the risks associated with manual spraying and reduce labor intensity, we have developed a pesticide spraying robot specifically for use in a greenhouse. The robot is powered by [illegible] and is controlled using an Android smartphone app. The app features several buttons that allow the user to direct the robot's [illegible], and the robot's controller is interfaced with a Wi-Fi module for communication between the app and the robot. While the productivity of the prototype may not be [illegible], the robot is designed to meet the requirements of pesticide spraying and grass cutting in a greenhouse environment, [illegible]. The results [illegible] and repeatability.

INTRODUCTION

Since the 1990s, China has made significant progress in popularizing plastic greenhouses and advanced planting techniques, resulting in substantial economic and social benefits. Presently, China has emerged as the world's leading producer of greenhouse crops. However, there are still gaps in greenhouse production management and automation compared to more developed countries. Farmers in China often work under primitive conditions, enduring high temperatures, humidity, and poor ventilation for extended periods. In contrast, developed countries like Japan have achieved a high level of automation in greenhouse management and are advancing towards fully automated, unmanned systems known as "plant factories." These facilities utilize robots and robotic arms for cultivation, liberating them from the constraints of natural conditions. Therefore, it is crucial for China to improve the automation level of greenhouse production equipment and develop agricultural techniques to meet the demands of the new era. The rapid advancements in smartphone technology, including enhanced processors, larger storage capacities, entertainment features, and various communication methods, have made them powerful devices. The introduction of Wi-Fi technology has revolutionized the way people use digital devices, eliminating the need for traditional wired connections. The concept of using a smartphone as the central control unit for robots has gained attention and offers numerous opportunities and possibilities. In this paper, we provide an overview of current mobile controlled robots. Our work focuses on controlling the robot's movements, such as upward, backward, left, and right, through an Android application.

LITERATURE SURVEY:

1) Joaquín Gutiérrez Jaguey et al, Automated Irrigation System Using a Wireless Sensor Network and GPRS Module, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, VOL. 63, NO. 1, JANUARY 2014.

The paper written by Joaquín Gutiérrez Jaguey et al represents the design of automated irrigation system which was developed for efficient use of water resources. It consisted of [illegible] to measure soil moisture and temperature. Whatever data collected from sensors was transmitted to the server & can be monitored via internet.

2) Sammons P J, Furukawa T, Bulgin A. Autonomous Pesticide Spraying Robot for Use in A Greenhouse [A]. Australian Conference on Robotics and Automation, Sydney Australian 2005.

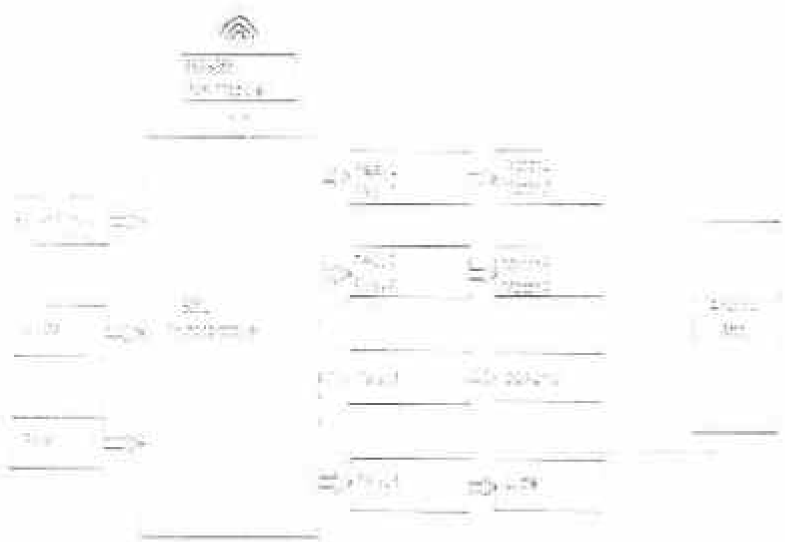
[illegible]

3) [illegible]

Developed agriculture needs to find new ways to improve efficiency. One approach is to utilise available information technologies in [illegible] form of more intelligent machines to reduce and target energy inputs in more effective ways than in the past. Precision Farming has shown benefits of [illegible] but we can now move towards a new generation of equipment. The advent of autonomous system architectures gives us the opportunity to [illegible] complete new range of agricultural equipment based on small smart machines that can do the right thing, in the right place, at the right time in the right way.

Compared to spraying pesticides manually outdoors,the environment has a high temperature,humidity for operating the spray work in green-house or in farms.In order to protect labourer and reduce labour intensity,we have develope a prototype of pesticide spraying robot specially used in the greenhouse and farms.ROBOT is controlled with a ARM7 controller.Designing of latest invented ROBOT which will be controlled using an REMOTE.We are developing the remote buttons and commands in the hardware by which we can control robot motion using RF communication to interface controller and remote

BLOCK DIAGRAM:



[1]

RESULT AND CONCLUSION:

The utilization of battery operated agriculture robots in the field of agriculture brings about numerous advantages. It enables a significant reduction in manpower, farming tools, and time required for various tasks. Compared to traditional working methods, these machines demand fewer farmers and less time to accomplish their operations. Our agriculture robot has been designed with these limitations and benefits in mind, incorporating a dual functionality of grass cutting and pesticide spraying, effectively addressing the dual cages faced in agricultural endeavors. This integrated approach greatly minimizes the negative impacts associated with these tasks. We are optimistic that our robot will meet the needs of Indian agriculture and assist hardworking farmers. By adopting such technologies, we can effectively address the labor challenges prevalent in today's farming practices in India.

FUTURE SCOPE:

As mentioned earlier, the device circuit is designed using software and simulated accordingly. However, during the hardware prototyping phase, providing power distribution to each module can be a challenge. To overcome this issue, [illegible] can be installed to drive the [illegible] or [illegible] pumps. This ensures that the sensors, LCD, and other components receive sufficient power supply from the microcontroller's built-in 5V and 3.3V pins. The device can be easily manufactured at a low cost, making it suitable for various settings such as offices, educational institutes, public transport and [illegible] shops. Its versatility allows for easy [illegible] in any location.

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[1] [illegible] et al., Automated Irrigation System Using a Wireless Sensor Network and GPRS Module, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, VOL. 63, NO. 1, JANUARY 2014

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Ambulance Tracking with Patient Health Monitoring System Using GPS and GSM Module

Prof. T. H. Mohite[1], Nikita Bharat Sutar[2], Pratik Dushyan. Patil[3]

[1,2,3]Dep. of Electronics & Telecommunication, Dr.J J Magdum College of Engineering, Jaysingpur, Maharashtra, India

ABSTRACT:

With the assistance of this project, we can determine the precise location of an ambulance while simultaneously monitoring essential health parameters of a patient. These parameters encompass temperature, humidity, and heartbeat rate. A text message containing the location and sensor readings is transmitted to a doctor's mobile device or any authorized individual within the hospital. This recipient can then promptly inform the doctor about the ambulance location and the patient's health status. By utilizing these parameters, the doctor can make the necessary preparations for the patient's treatment and determine the ambulance's whereabouts.

INTRODUCTION

This project encompasses three primary functionalities. The first one involves monitoring the health of the patient, while the second focuses on tracking the ambulance transporting the patient. The third function revolves around transmitting the aforementioned details to the hospital or doctor using GSM technology. Through this project, it becomes possible to determine the ambulance's location and simultaneously monitor various health parameters of the patient, including temperature, humidity, and heart rate. A text message containing the location and sensor readings is sent to the doctor's mobile device, or alternatively, it can be forwarded to any authorized personnel within the hospital. This individual can then promptly notify the doctor regarding the ambulance's location and the patient's health condition, allowing the doctor to make the necessary preparations for treatment. The ambulance follows a designated route separate from other primary vehicles to reach its destination. Sensors integrated into the ambulance system continuously monitor the patient's health, and if the readings exceed the normal values, the GSM module transmits the tracked data to another GSM unit. Consequently, the hospital unit becomes aware of the patient's condition even before the ambulance arrives. An advantage of this project is its operation on a 5V DC power supply, which is readily available. Another recommended method for ambulance tracking is the utilization of Google Maps, which offers an efficient and convenient means of monitoring vehicle location online. Hospital personnel can employ these online maps to track the ambulance, leveraging the internet to determine the ambulance's location based on longitude and latitude coordinates. In today's internet-driven world, access to the internet is widespread and rapid. Numerous websites provide online maps, with Google Maps being one of the most renowned. By having a computer or laptop and an internet connection, hospital staff can receive an SMS on their mobile device and manually input the relevant parameters into Google Maps. Upon clicking the view button, Google Maps will display a marker pinpointing the precise location of the ambulance.

LITERATURE SURVEY:

1. Ahmet Ar__ and Semi F. Oktug, Nesnelerin Interneti Guvenligi: Servis Engelleme Saldırılar Internet-of-Things Security : Denial of Service Attacks".

Ahmet Arı and Semi F. Oktug, Nesnelerin Interneti Guvenligi : Servis Engelleme Saldırıları" Internet-of-Things Security : Denial of ServiceAttacks "Internet of Things (IoT) is a network of sensors, actuators, mobile and wearable devices, simply things that have processing and communication modules and can connect to the Internet. In a few years' time, billions of such things will start serving in many fields within the concept of IoT. Self-configuration, [illegible] be highly prone to attacks. Denial of Service (DoS) [illegible] and classify the DoS attacks that may target the IoT environments. [illegible] to detect and mitigate the DoS attacks in IoT will be evaluated.

2. Mohammad A. Al-Khedher, Hybrid GPS-GSM Localization of Automobile Tracking System", International Journal of Computer Science & Information Technology (IJCSIT) Vol 3, No 6, Dec 2011

Mohammad A. Al-Khedher, Hybrid GPS-GSM Localization of Automobile Tracking System", International Journal of Computer Science & Information Technology (IJCSIT) Vol 3, No 6, Dec 2011 [illegible] GPS-GSM system is proposed to track vehicles using Google Earth application. The remote module has a GPS mounted on the moving vehicle to identify its current position, and to be transferred by GSM with other parameters acquired by the

automobile's data part as an SMS to a base station. The received GPS coordinates are filtered using a Kalman filter to enhance the accuracy of measured position. After data processing, Google Earth application is used to view the current location and status of each vehicle. This goal of this system is to manage car, police automobiles distribution and car theft cautions.

3. Smart Real-Time Healthcare Monitoring and Tracking System using GSM/GPS Technologies", The Master of IEEE Projects 2015

Smart Real-Time Healthcare Monitoring and Tracking System using GSM/GPS Technologies", The Master of IEEE Projects 2015Health monitoring systems have rapidly evolved recently and smart systems have been proposed to monitor patient current health conditions, in our proposed and [illegible] system, we focus on monitoring the patient's blood pressure, and his body temperature. Based on last decade statistics of medical records, death rates due to hypertensive heart disease shows that the blood pressure is a crucial risk factor for atherosclerosis and ischemic heart diseases; thus, preventive measures should be taken against high blood pressure which provide the ability to track, trace and save patient's life at appropriate time is an essential need for mankind. The objective of this work is providing an effective application for Real Time Health Monitoring and Tracking. The system will track, trace, monitor patients and facilitate taking care of their health so efficient medical services could be provided at appropriate time.

BLOCK DIAGRAM:

RESULT AND CONCLUSION:

This paper introduces the Internet of Things (IoT) as the foundation for this project, which utilizes micro controller technology alongside GSM and GPS systems to transmit data through text messages. This innovative approach in the medical field enables doctors to closely monitor patients' health even while they are being transported in an ambulance. Crucial physiological parameters such as body temperature and heartbeat can be continuously monitored, allowing doctors to analyze the patient's condition from any location within the hospital. This not only alleviates the workload on doctors but also provides accurate results. This paper introduces the Internet of Things (IoT) as the foundation for this project, which utilizes microcontroller technology alongside GSM and GPS systems to transmit data through text messages. This innovative approach in the medical field enables doctors to closely monitor patients' health even while they are being transported in an ambulance. Crucial physiological parameters such as body temperature and heartbeat can be continuously monitored, allowing doctors to analyze the patient's condition from any location within the hospital. This not only alleviates the workload on doctors but also provides accurate results.

FUTURE SCOPE:

- Expanding the [illegible] to monitor [illegible] health [illegible]. [illegible] automatically [illegible] in emergencies [illegible] patient's health parameters exceed a predetermined threshold [illegible]. With some modifications, this project can also find application in the industrial sector.
- [illegible]
- [illegible]

[illegible]

[illegible]

[2] Mohammad A. Al-Khedher. Hybrid GPS-GSM "Localization of Automobile Tracking System", International Journal of Computer Science & Information Technology (IJCSIT) Vol 3, No 6, Dec 2011.

[3] Smart Real-Time Healthcare Monitoring and Tracking System using GSM/GPS Technologies", The Master of IEEE Projects 2015.

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B.Tech CSE 2022-23

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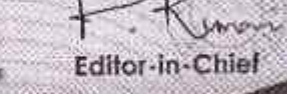

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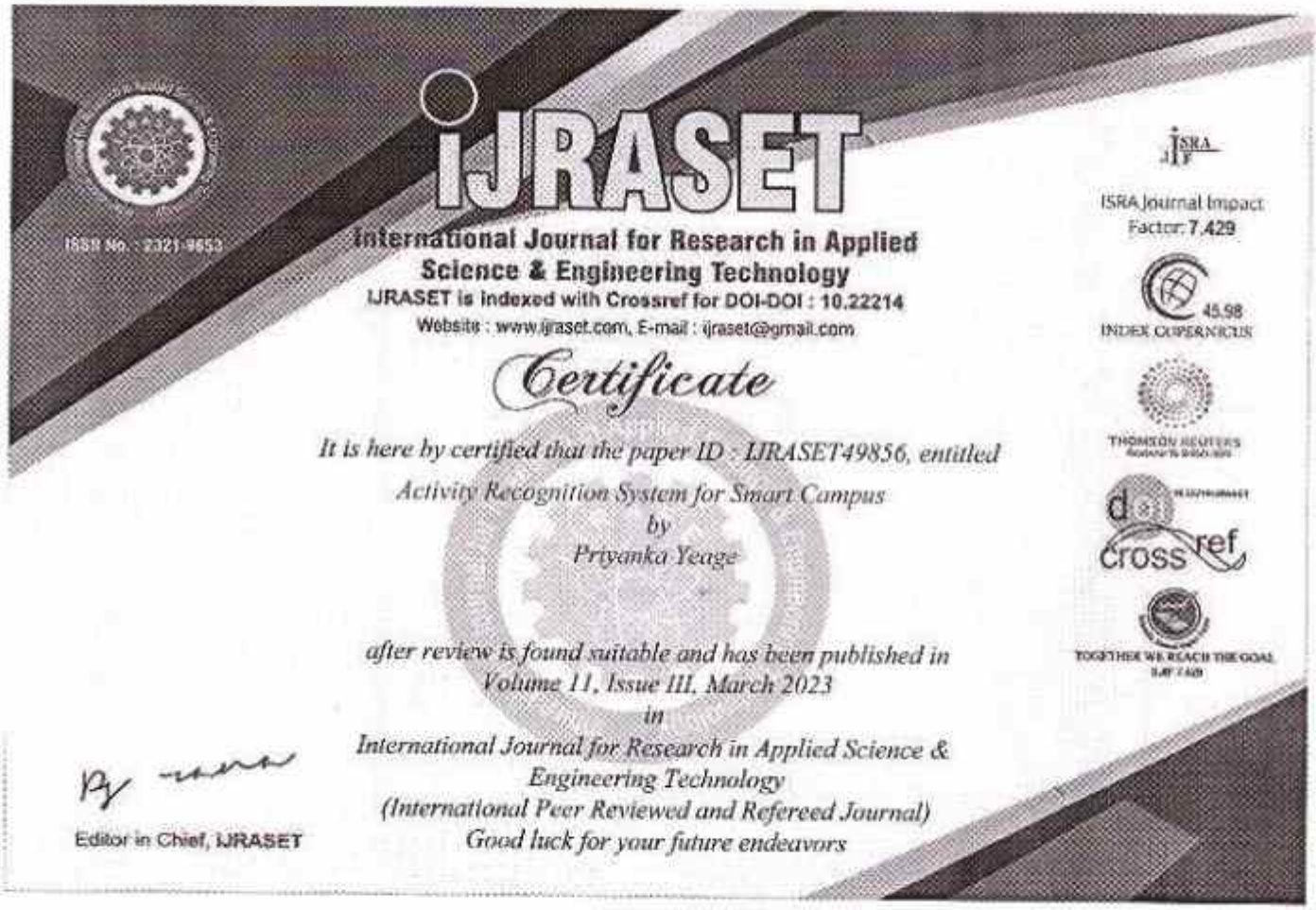

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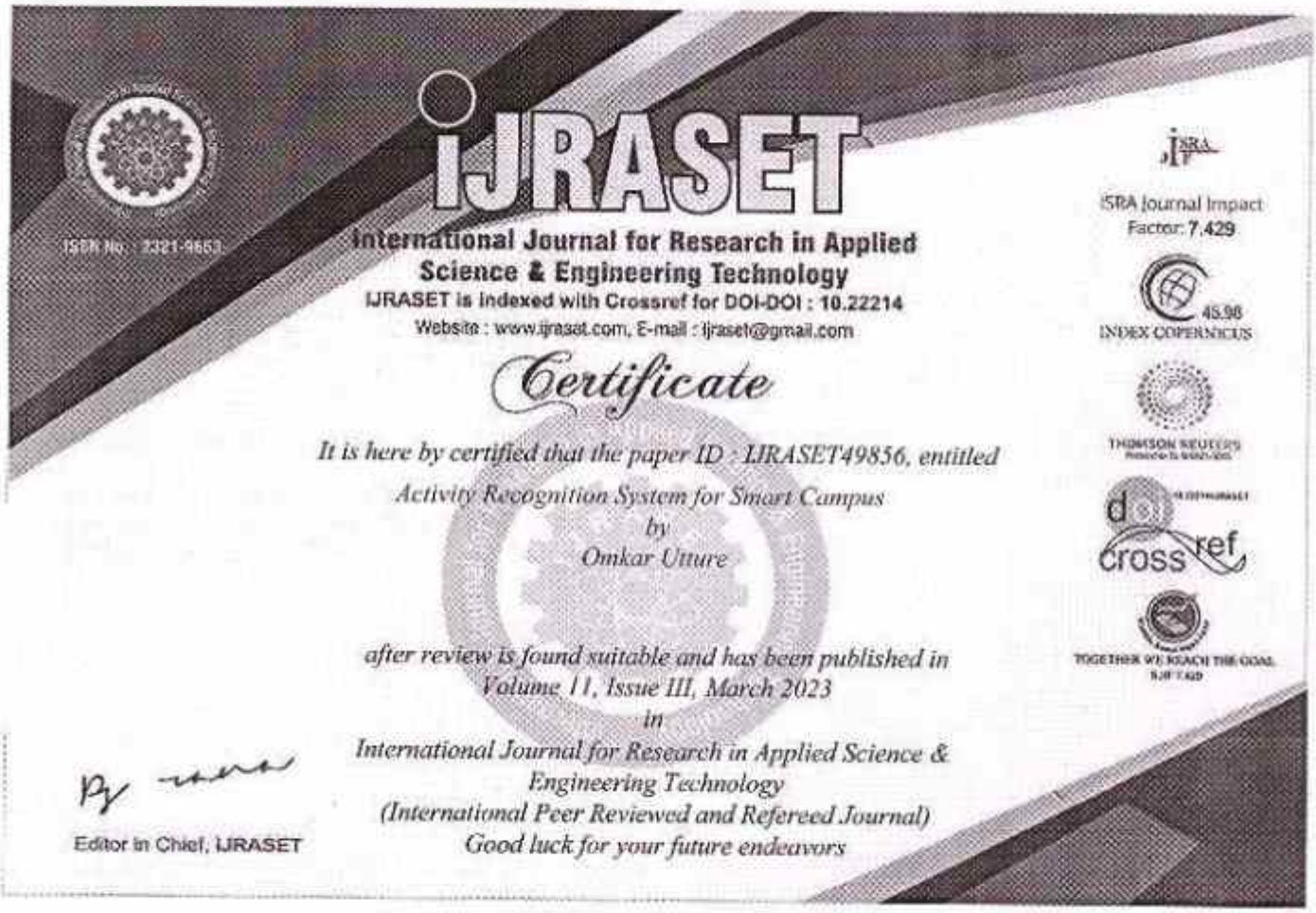
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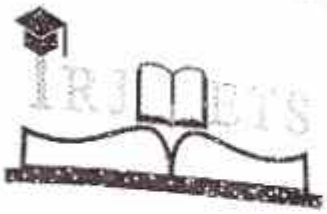

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National Conference on Emerging Trends in Engineering & Technology

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ISBN: 978-93-91535-44-5

This is to certify that

Omkar Kumbhar

has presented and published a paper titled

Design an android application to give information about harmful (for health) fertilizer contents

during the National Conference NCETET-2023 with ISBN : 978-93-91535-44-5

held on 31st March 2023

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Gesture Recognition Based Virtual keyboard and Mouse

Volume 4, Issue 2 (March-April 2023), PP: 536-538.

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International Journal of
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ISSN No:2582-8746
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Hospitality Services Management System

Volume 4, Issue 2 (March-April 2023), PP: 05-07.

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International Journal of
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ISSN No:2582-8746

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Hospitality Services Management System

Volume 4, Issue 2 (March-April 2023), PP: 05-07.

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International Journal of
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ISSN No:2582-8746

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Dr. J. J. Magdum College of Engineering, Jaysingpur

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from

JJMCOE, [Enc]

for participating in university level competition, "STARTUP BIG IDEA-2022"

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Central Entrepreneurship Development Cell.

Prof. V.J.Khot
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Hospitality Services Management System

Volume 4, Issue 2 (March-April 2023), PP: 05-07.

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International Journal of
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ISSN No:2582-8746

Editor-in-chief/IJIRE

Project Name → Hospitality Services Management System
(Sponsored)

Project Guide → S.J. chougule Ma'am.

Project Members →
1) Gawas Aashwini Raghoba. (IT01)
2) Kamble Siyang Prafulla. (IT02)
3) Mithare Akash Suresh (IT03)
4) Nardekar Suraj Jaykumar (IT04)

Std → B.Tech IT (B1)

Manuscript I'd → 1370

Paper Name → IJIRE

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BEST PRACTICE –1

DEPARTMENTAL RESEARCH COMMITTEE

Patent / Copyright registered

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क्रम सं./No. : 125704

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CERTIFICATE OF REGISTRATION OF DESIGN

डिज़ाइन सं. / Design No.	:	373735-001
तारीख / Date	:	08/11/2022
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिज़ाइन जो BRAILLE ROD से संबंधित है, का पंजीकरण, श्रेणी 03-03 में 1.Dr. J. J. Magdum College Of Engineering 2. Prof.Rajesh A. Sanadi 3.Adnan Sajid Balband 4.Arya Avinash Salokhe 5.Prajkta Sanjay Jadhav 6.Palth Tushar Shah के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तारीख/Date of Issue : 18/01/2023

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डिज़ाइन सं. / Design No.	:	373731-001
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प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिज़ाइन जो SMART FOOD DELIVERY BOX से संबंधित है, का पंजीकरण, श्रेणी 07-02 में 1.Dr. J J Magdum College Of Engineering 2. Mr. Sammed Rajendra Chougule 3.Mr. Moin Inaytulla Jakate 4.Mr. Anup Shivappa Khurape 5.Mr. Sarvesh Satish Pandit 6.Miss. Sayali Sambhaji Phatak 7.Mr. Sardar Mansoor Shaikh के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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Date	11/06/2022 06:35:36
Reciprocity Date*	
Country	

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H. NO. 546, NEAR NARDE HIGH SCHOOL, SHIROL
ROAD, A/P- NANDANI, PINCODE - 416102

Date of Issue: 18/10/2022 17:12:28

Dr. J. J. MagdumCollege of Engineering, Jaysingpur.

BEST PRACTICE –1

DEPARTMENTAL RESEARCH COMMITTEE

Students participation in various project competitions and awards

Student Participation in Technical Event (Project Competition) 2022-23

[illegible]	[illegible]	[illegible]	Event name	Academic Year
1 2	Akil Hanif Kacchi Tanjil Mujawar	Face Recognition based intelligent car anti-theft system using Raspberry PI and GSM module	INNOVATION 2k23 (SIT Yadrav) 1st April202[illegible]	2022-23
3 4	[illegible] Pratik Patil	[illegible] Patient Health Monitoring System Using GPS and GSM Module	Spectrum 2K23 (AGTI'S) 21st March2023	2022-23
5 6	[illegible] Sheri Snehal koshti	Design & Operation of Agriculture Based Pesticide Spraying & Grass Cutting Robot	Spectrum 2K23 (AGTI'S) 21st March2023	2022-23
7 8	Pradnya [illegible] Saniya Patil	IOT Based Smart Locker System	Spectrum 2K23 (AGTI'S) 21st March2023	2022-23
9	Saniya Nadaf	IOT Based Smart Helmet	INNOVATION 2k23 (SIT Yadrav) 1st April2023	2022-23
10 11 12 13	Komal Patil Rohit Patil Sanket Bhoi Sneha Kate	Traffic Control and Green Corrider using Unmanned Aerial Vechicles(Drones)	Spectrum 2K23 (AGTI'S) 21st March2023	2022-23
14 15	Omkar Vaidya Tejas Gurav	Labour Work Monitoring System	INNOVATION 2k23 (SIT Yadrav) 1st April2023	2022-23
16 17	[illegible] Shweta [illegible]	[illegible]	INNOVATION 2k23 (SIT Yadrav) 1st April2023	[illegible]
18 19	Gayatri Patil [illegible]	[illegible]	INNOVATION 2k23 (SIT Yadrav) 1st April2023	[illegible]
20 21	Aniket Patil Chetan Patil	Speed breaker [illegible]	INNOVATION 2k23 (SIT Yadrav) 1st [illegible]	2022-23

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Poster Presentation on Innovative Ideas / Robo Obsta / Paper Presentation / Project Competition / ...... / Hire Me event Organised in "Spectrum 2K23" under Lead College Scheme of Shivaji University, Kolhapur held on 21st March, 2023 at AGTI'S, Dr. Daulatrao Aher College of Engineering, Karad.

Prof. A. D. Awasare	Prof. H. M. Kumbhar	Prof. M. ......
Co-Ordinator	Vice Principal	Principal

GROUP NO: 14

International Research Journal of Modernization in Engineering Technology and Science
Peer-Reviewed & Open Access Fully Refereed International Journal
e-ISSN: 2582-5208

Ref: IRJMETS/Certificate/Volume 05/Issue 04/50400164528

Date: 04/04/2023

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This is to certify that author "Akill Hanif Kaedi" with paper ID "IRJMETS50400164528" has published a paper entitled "FACE RECOGNITION-BASED INTELLIGENT CAR ANTI-THEFT SYSTEM USING RASPBERRY PI AND GSM MODULE" in International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 05, Issue 04, April 2023

Editor in Chief

www.irjmets.com

of: IRJMETS/Certificate/Volume 05/Issue 04/50400164528

Certificate of Publication

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INNOVATION

1st April, 2023

A National Level Technical Event

In Association with ISTE Student Chapter

This certificate is awarded to

Mr./Ms. Akil Hanif kacchi ... for being a

1st / 2nd / 3rd prize winner / participant in Project & Innovation ... during **INNOVATION-2K23** held on Saturday, 1st April, 2023. INNOVATION-2K23 team

Mrs.Sharda Salunkhe
Event Convenor

Dr.Sanjay A.Khot
Principal

Hon.Shri.Anil.J. Bagade
Executive Director

e-ISSN: 2582-5208
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Volume:05/Issue:04/April-2023 Impact Factor- 7.868 www.irjmets.com

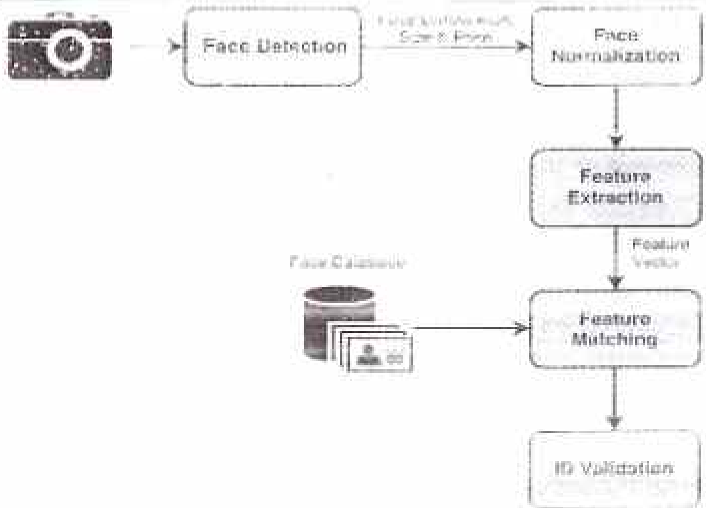


Fig 2. System flow diagram

Steps involved in Algorithm

1. Get a training set of images.
2. Detect the face of all training images
3. Input these images as a training set into the face recognition stage
4. Compute weight vector for input training set using Haar Cascade
5. Give a new test image
6. Determine whether the new image is authenticated or not using Haar Cascade
7. If the driver is not authenticated, an SMS is sent and the vehicle Ignition is off.
8. If the driver is authenticated, no alert
9. Store the Driver's name, date, and time in a database file.

GSM module:

GSM Module is a device that can send/receive SMS or make the call automatically. It can be connected to any of the microcontrollers/raspberry pi. In case of any unauthorized driver trying to start the car, the system can send a message to the car owner in the

OpenCV:

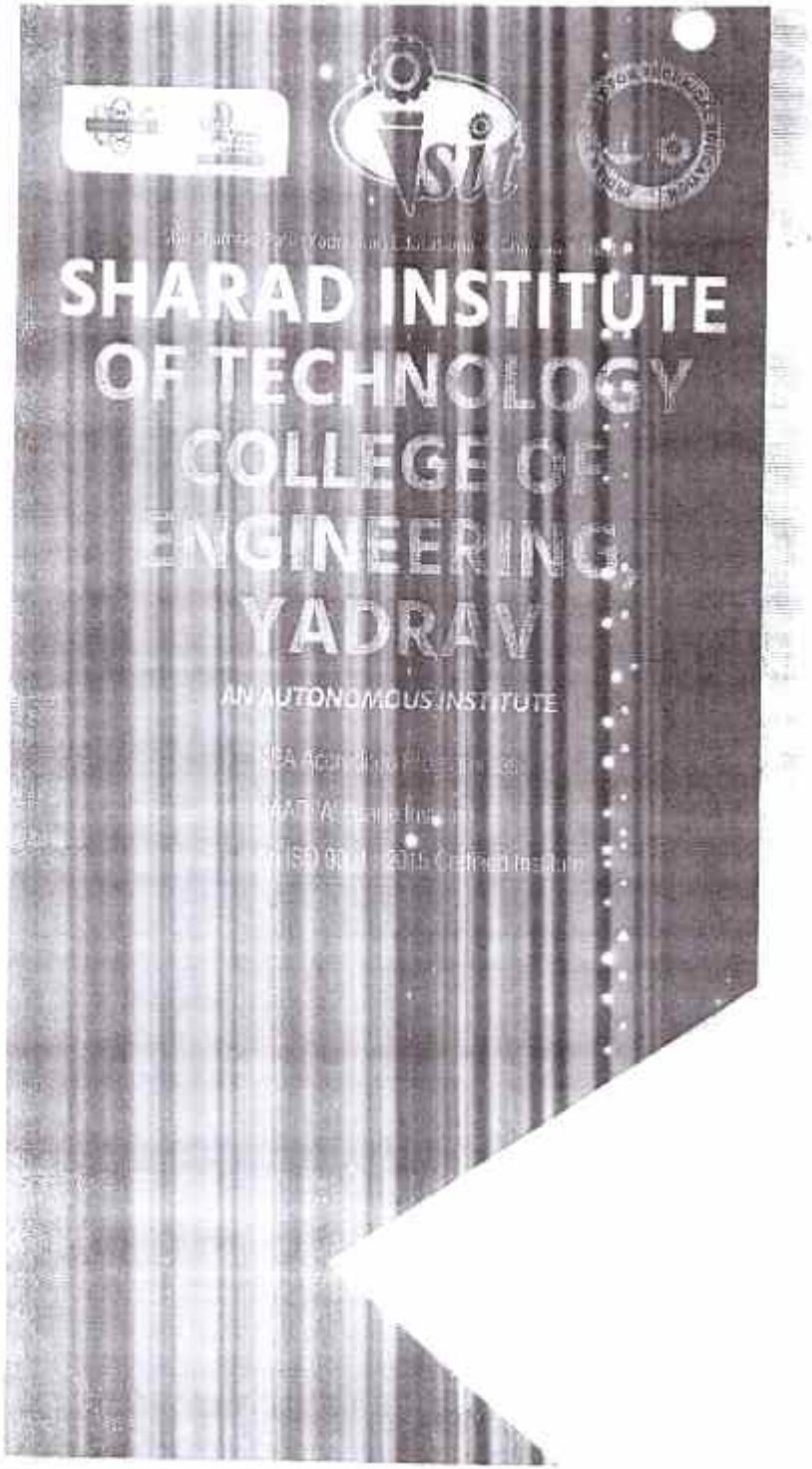
[illegible] (Open source Computer Vision) is a library of programming functions mainly used for real-time computer vision. Open CV is written in C++. There are bindings in Python, Java, and MATLABOCTAVIAA. Here the OpenCV is used for processing the given image and for comparing the image

IV. RESULTS AND DISCUSSION

The main working principle of the project is, into the image to detect and recognize it. Further, the recognized [illegible] compared with the image in the database, and then the vehicle will start otherwise it will [illegible] The image of the person is captured immediately by the USB Camera.

[illegible]

[illegible] A secure and safe environment system for the vehicle owner and the [illegible] can be easily found with the thefts image. We can predict theft by using this system in our day-to-day life. This work will help to reduce the convolution and enhance security, and also be much more reasonable and [illegible] than traditional ones. Experiment results show that it takes about 6 seconds to detect one 320*240 color jpeg image by software that is functioning on Raspberry Pi. It seems to be too long to be used in real-time detection.



INNOVATION 2K23

1st April, 2023

A National Level Technical Event

In Association with ISTE Student Chapter

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Mr./Ms. Aniket Satish Patil (Thorat) ..... for being a

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during **INNOVATION-2K23** held on Saturday, 1st April, 2023. **INNOVATION-2K23** team

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Dr. J. J. Magdum College of Engineering, Jaysingpur

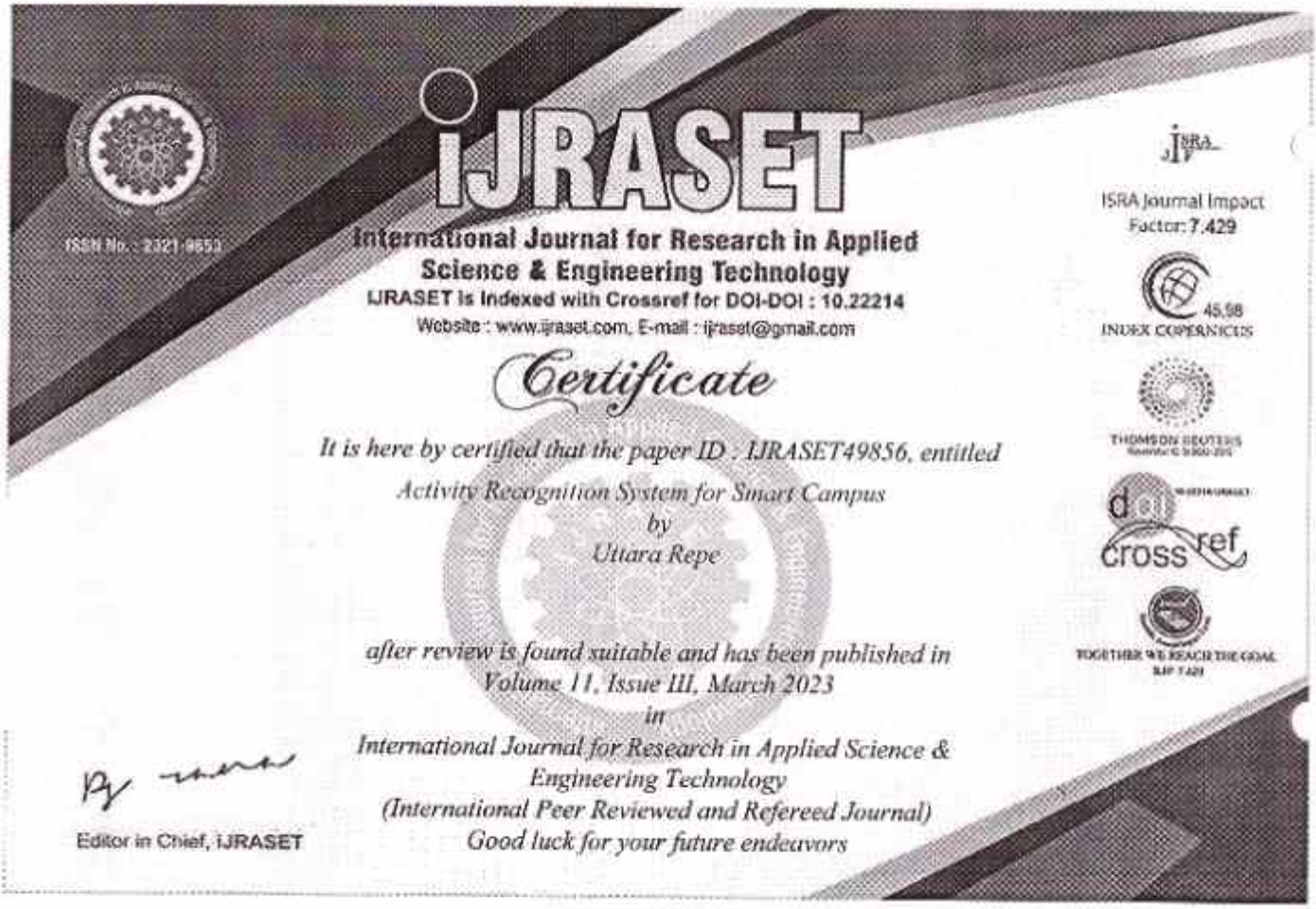
Departmemnt of Computer Science & Engineering

Project Competition List 2022-23

Sr. No.	Name of Student	Status	College Name	Event Name	Date
1	**pratiksha Gavali(L)**	Participated	Sharad Institute of Technology , Yadrav	"INOVATION 2K23" National Level Technical Event	21-Mar-23
2	Neha Chavan	Participated			
3	Hasnain Lakhani	Participated			
4	Bishal Malakar	Participated			
5	**Snehal Shivshant Patil(L)**	Winner	Dr. Doulatrao Aher College of Engineering, Karad	"Spectrum 2K23" Under Lead College SUK	21-Mar-23
6	Vivek Sanjaykumar Admuthe	Winner			
7	Rushikesh Krishna Patil	Winner			
8	Nischay Pradip Bhokare	Winner			
9	**Sanmay Anil Majlekar(L)**	Participated	Dr. Doulatrao Aher College of Engineering, Karad	"Spectrum 2K23" Under Lead College SUK	21-Mar-23
10	Prem Subhash Hogade	Participated			
11	Sourabh Shivkumar Kesharwani	Participated			
12	Vishwjeet Vijay Powar	Participated			
13	**Mahesh Siddhu Dhangar(L)**	Participated	Dr. Doulatrao Aher College of Engineering, Karad	"Spectrum 2K23" Under Lead College SUK	21-Mar-23
14	Aniket Govind Todkar	Participated			
15	Pratik Rajendra Jatrate	Participated			
16	Sourabh Bapuso Kole	Participated			
17	**Shraddha Rajendra Kore(L)**	Participated	Dr. Doulatrao Aher College of Engineering, Karad	"Spectrum 2K23" Under Lead College SUK	21-Mar-23
18	Sonika Hanmantrao Mahind	Participated			
19	Takshak Vikram Desai	Participated			
20	Komal Dewadas Dhok	Participated			
21	**Manali Balasaheb Narute(L)**	Participated	Sharad Institute of Technology , Yadrav	"INOVATION 2K23" National Level Technical Event	1-Apr-23
22	Sakshi Anil Patil	Participated			
23	Karan Pandurang Kumbhar	Participated			
24	Rija Kudartali Bagwan	Participated			
25	**Harshwardhan Shinde(L) .**	Participated	Dr. Doulatrao Aher College of Engineering, Karad	"Spectrum 2K23" Under Lead College SUK	21-Mar-23
26	Siddharth Ashok Khubikar	Participated			
27	Abhishek Deelip Unde	Participated			
28	Shreyas Haridas Shirke	Participated			

29	**Priyanka Uttam Yedage(L)**	Participated	Sharad Institute of Technology , Yadrav	"INOVATION 2K23" National Level Technical Event	1-Apr-23
30	Uttara Uday Repe	Participated			
31	Rutuja Uttam Patil	Participated			
32	UTTURE OMKAR ANIL	Participated			
33	**Sadiya Ramjan Nadaf(L)**	Participated	Dr. Doulatrao Aher College of Engineering, Karad	"Spectrum 2K23" Under Lead College SUK	21-Mar-23
34	Rutuja Tanaji Kamble	Participated			
35	Dhanashri Nilkanthrao Ghatage	Participated			
36	Pratiksha Rajendra Jangam	Participated			
37	**Snehal Shivshant Patil(L)**	Winner	Dr. J. J. Magdum College of Engineering, Jaysingpur	"ASHWAMEDH 2K23" UG Conference Civil Group. A National Level Event	20-May-23
38	Vivek Sanjaykumar Admuthe	Winner			
39	Rushikesh Krishna Patil	Winner			
40	Nischay Pradip Bhokare	Winner			
41	**Aakanksha Kumbhar(L)**	Winner	Dr. J. J. Magdum College of Engineering, Jaysingpur	"ASHWAMEDH 2K23" UG Conference CSE Group. A National Level Event	20-May-23
42	Siddhi Shrirang Kundale	Winner			
43	Rutuja Vijay patil	Winner			
44	Tanuja Shivaji Sawant	Winner			
45	**Snehal Shivshant Patil(L)**	3rd Rank	Dr. J. J. Magdum College of Engineering, Jaysingpur	"ASHWAMEDH 2K23" UG Conference CSE Group. A National Level Event	20-May-23
46	Vivek Sanjaykumar Admuthe	3rd Rank			
47	Rushikesh Krishna Patil	3rd Rank			
48	Nischay Pradip Bhokare	3rd Rank			

Dr. Mrs. D. A. Nikam
HOD CSE
H.O.D.
(CSE Dept.)
Dr. J.J. Magdum College of Engg.
Jaysingpur-416101.



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after review is found suitable and has been published in Volume 11, Issue III, March 2023

in

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(International Peer Reviewed and Refereed Journal)

Good luck for your future endeavors

Editor in Chief, iJRASET

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of JJM institute has participated / Secured ~~1st~~ rank in the event UG/PG Conference under "ASHWAMEDH 2K23" held at Dr. J. J. Magdum College of Engineering, Jaysingpur on 20th May 2023.

Prof. N. C. Desai	Dr. D. B. Desai	Dr. Mrs. S. B. Patil	Dr. S. S. Admuthe
FACULTY CO-ORDINATOR	CONVENOR	PRINCIPAL	CAMPUS DIRECTOR

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held on 21st March, 2023 at AGTI'S, Dr. Daulatrao Aher College of Engineering, Karad.

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UG CoN under "ASHWAMEDH 2K23" held at

Dr. J. J. Magdum College of Engineering, Jaysingpur on 20th May 2023.

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FACULTY CO-ORDINATOR	CONVENOR	PRINCIPAL	CAMPUS DIRECTOR

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This is to certify that Mr. /Miss. Abhishek . D. Uode

of JJMCOE *has secured* — */Participated in*

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Hire Me event Organised in " **Spectrum 2K23** *" under Lead College Scheme of Shivaji University, Kolhapur*

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This is to certify that Mr. /Miss. Rushikesh Patil

of JJMCOE, Jaysingpur *has secured* 1st rank */Participated in*

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Co-Ordinator

Prof. H. M. Kumbhar
Vice Principal

Dr. A. M. Mulla
Principal

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OF PARTICIPATION

THIS CERTIFICATE IS AWARDED TO

Sonali Bhimrao Mohite

For participation in the National Level Project Competition "ELECTROWIZ-2023" held at Datta Meghe College of Engineering on 21 April 2023, Organized by IETE-DMCE, Department of Electronics Engineering.

Mrs. ASMITA . J. NIRMAL
FACULTY CO-ORDINATOR
IETE-DMCE

DR.D.J.PETE
HOD
ELECTRONICS

DR.S.D.SAWARKAR
PRINCIPAL
DMCE

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Mrs.Sharda Salunkhe	Dr.Sanjay A.Khot	Hon.Shri.Anil.A.Bagane
Event Convenor	Principal	Executive Director

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

Department of Information Technology

2022-23

Student Participation in Project Competition

Sr. No.	Name of Students	Competition Name	Project
1	Mr. Chidanand Shirdhone	State Level IoT Based Project Competition	

(Prof.Mrs. S. J Chougule)
DRC Head

(Prof.Mr. R.A.Bhartiya)
HOD, IT Dept

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of _____ has participated in

"State Level IoT Based Project Competition"

held on Friday, 17th February, 2023 organized by Innovation & Incubation Center,

Sanjay Ghodawat University, Kolhapur.

Mr. Nilesh S. Desai
Co-ordinator

Dr. V.V. Kulkarni
Director, IIC

Dr. J. J. Magdum College of Engineering, Jaysingpur.

BEST PRACTICE –1

DEPARTMENTAL RESEARCH COMMITTEE

Categorization of Projects

Department of Computer Science and Engineering

B.Tech CSE 2023-24

Final Year Project Topics Themewise Distribution

Group no.	Roll No	Student Name	Guide	Project Topics	Theme
1	1	BIRAJDAR MALLIKARJUN MAHADEV	DAN	Machine Learning Algorithm for brain Tumour detection	Sponsored (Society)
	2	NANDGAONKAR ABHISHEK SANJAY			
	3	PATIL RUPESH MAHAVEER			
	4	MUTALIK ANUSHREE DEEPAK			
2	5	THOMBARE SHREYA JAYWANT	ARD	Automated Plant Disease Detection	Sponsored (Society)
	6	CHAVAN PRANJAL SANJAY			
	7	PATIL AMRUTA VIJAYKUMAR			
	8	EDAKE PRATIKSHA SAMBHAJI			
3	9	BHAGAT KUNDAN SUDARSHAN	AVG	Image Separation and Sharing Application	Innovative Research
	10	KALE AKASH VIJAY			
	11	PATIL TUSHAR SHIVAJI			
	12	GARUD PRANAV JAYWANT			
	13	JADHAV DHIRAJ SURYAKANT			
4	14	KHADE ARATI GAJANAN	AVG	Load Distribution and Time table Generation Software	Sponsored (Institute)
	15	MAKOTE PRANALI PRAMOD			
	16	BHOSALE VAISHNAVIDEVI ARVIND			
	17	PATIL HARSHADA HANMANT			
5	18	BUJARE HARSHAD MADHUKAR	DAN	Smart Agriculture Automation System	Sponsored (Society)
	19	GAVALI SUJAY PRABHAKAR			
	20	PATIL AKASH MARUTI			
	21	KONURI PRAJWAL TATYASAHEB			
	22	DESAI SHRAVANI BABURAO			
6	23	BHOSALE OMKAR SURESH	SSC	Poultry farm management & assistance using web application	Sponsored (Industry)
	24	PATIL ADITI ASHOK			
	25	BAWADEKAR SUYOG SUNIL			
7	26	GAIKWAD RUTUJA DINANATH	PSA (Guide) Dr. S. M. Lekshmi Sri (Co-Guide)	Waste food management system using Flutter	Sponsored (Society)
	27	JARE BALAJI MARUTI			
	28	KAMAT AMEY SACHIN			
	29	PAWAR AVANTIKA DADASAHEB			
8	30	PATIL SANGRAM BABURAO	DAN	Smart E-Billing System	Sponsored (Society)
	31	PATIL TANMAY RHUSHIKESH			
	32	TELI SUSHANT SURESH			
	33	MAGADUM TANMAY TANAJI			
9	34	SHINDE MADHURI MAHADEV	ARD	Skin Disease Detection by machine learning using python	Sponsored (Society)
	35	SURVE PRANALI DEEPAK			
	36	SUTAR SOFIYA TAIYABALLI			
	37	HAJARE PALLAVI RAMESH			
10	38	TAMBAD SHREYA RAJU	PVK (Guide) Dr. S. M. Lekshmi Sri (Co-Guide)	Block Chain Social Media	Innovative Research
	39	RAJE AISHWARYA SANJAY			
	40	MANE NIKITA SATISH			
	41	PANDEY ABHISHEK VIJAY			
11	42	KULKARNI BHAKTI BALAVANT	NHS	User Behavioral Analytics and Gamification	Innovative Research
	43	KAMALAKAR DEEP SACHIN			
	44	KALE YASH SANTOSH			

12	45	PARAGANVE SOMESH APPASAHEB	SAN(Guide) DAN (Co-Guide)	Malware Detection Using Machine Learning	Innovative Research
	46	KUMBHAR PRATHAMESH KRUSHNAT			
	47	CHOUGULE PRASANNA VIJAYKUMAI			
	48	PATIL PRATIK SANJAY			
	49	ZAMBRE SHUBHAM LAXMAN			
13	50	SUTAR SAHIL SANJAY	RDM (Guide) Dr. S. M. Lekshmi Sri (Co-Guide)	Stress Detection in IT employyees using machine learning	Sponsored (Society)
	51	PATIL TANMAY BALU			
	52	SALOKHE SHRADDHA SHRIKANT			
	53	SHAH REENAL CHETAN			
14	54	KULKARNI DEEP PRAKASH	SAN	AI Resume Analyzer	Innovative Research
	55	SHAIKH TANJILA JAMIR			
	56	SUTAR AMAN AAYUB			
	57	KAMBLE OMKAR BABURAO			
	58	PATIL SUDARSHAN SANJAY			
15	59	DAPALE YOGESH YASHVANT	RDM	Restaurant Recommendation System	Sponsored (Society)
	60	FARAKTE PRATIK SANJAY			
	61	GADAD AZHAR MAHAMMEDGOUS			
	62	HODAGEPATIL MILIND SANJAYKUM.			
	63	MUDALKAR YOGESH BALKRISHNA			
16	64	KHATIB JAFAR KHALIL	AVG	JJM ConNet (android Based)	Sponsored (Institute)
	65	NAIK AJAY ARUN			
	66	POL SHRUTI RAVINDRA			
	67	MASAL KAJAL AKARAM			
17	68	KOLEKAR SAMEER LAXMAN	PVK	UPI Fraud Detection using Machine Learning	Innovative Research
	69	PAWAR DIPAK SAKHARAM			
	70	RENGADE DNYANENDRA RAMRAO			
	71	PANHALE SOURABH SUKHADEV			
18	72	KULKARNI AVADHUT SUHAS	PVK	Credit Default Analysis	Innovative Research
	73	SAYYAD AMAN MAHIBOOB			
	74	KOLI PRASHANT SHANKAR			
	75	GHATAGE VISHVAJEET NILKANTHRA			
	76	DHANG CHAITANYA SURESH			

Name of Guide	
DAN	Dr. Mrs. D. A. Nikam
AVG	Mrs. A. V. Gundavade
PVK	Mr. P. V. Kothawale
ARD	Mr. A. R. Dargad
RDM	Mr. R. D. Mane
SAN	Mrs. S. A. Narade
NHS	Mrs. N. H. Sayyad
PSA	Mr. P.S. Ambupe
SSC	Ms. S. S. Chougule
SML	Dr. S.M. LekshmiSri

Ms. S. S. Chougule
Project Coordinator

Dr. Mrs. D. A. Nikam
HOD CSE

Categories of project.

Dr. J. J. Magdum College of Engineering, Jaysingpur

Department of Electronics & Telecommunication Engineering

Class-BTech 2022-23

sr.no.	Guide	Group No.	Roll no	Name of student	Title of project	application with short description	Theme
1	Mrs P.P. Bellagli	1	1	POPAT	Automatic filling and weighing machine	application -Industry, grocery store, For business owner	Techno social Project
			2	SONAWALE BHAGYASHREE			
2	Mrs. T.H.Mohite	2	3	DUSHYANT	Ambulance tracking with patient health monitoring system using GPS and	Application-Hospitals	Techno social Project
			4	SUTAR NIKITA			
3	Mr. M.M. Kolap	3	5	SHETTI NAMRATA SUNIL	Agriculture Robot	Grass cutting and pesticides spraying	Techno social Project
			6	KOSHTI SNEHAL PRABHAKAR			
4	Dr.Mahadik S.R.	4	7	KHOT PRADNYA ARUN	Atm Fingerprint System	financially and to keep watch on real time production	Innovative Project
			8	LATIF SANIYA SHAKIL			
5	Mr. M.M. Kolap	5	9	NADAF SANIYA HAROON	Smart helmet for bike riders safety	Prevents Accidents & Drunken drive	Innovative Project
			10	shinge ranjeet balaso			
6	Mrs.M.U.Phutane	6	11	KAMBLE VINESH VIJAY	Fire Fighting Robot		Techno social Project
			12	CHIKALAKKI DHANAPPA			
7	Dr. S.B.Patil	7	13	PATIL KOMAL BHANUDAS	traffic control and green corridor generation using drone	Traffic control	Techno social Project
			14	KATE SNEHA SANJAY			
8	Dr.Mahadik S.R.	8	15	VAIDYA OMKAR VAIBHAV	Labour work monitoring	Helping business financially and to keep watch on real time production	Techno social Project
			16	GURAV TEJAS GURUDATTA			
			17	REENA BABANRAO MADE	cold storage automation		Techno social Project

9	Mrs. T.H.Mohite	9	18	GAIKWAD SHWETA SURYAKANT		preserve food ,chemicals and medicines	
10	Prof.M.B.Bhilawade	10	19	PATIL GAYATRI BHARAT	*Using GSM and GPS*	Step Towards Digital India	Techno social Project
			20	SOMNATH			
11	Dr. S.B.Patil	11	21	SANKET SURESH BHOI	traffic control and green corridor generation using	Traffic control	Techno social Project
			22	PATIL ROHIT CHANDRAKANT			
12	Mr. V.T.Kamble	12	23	PATIL CHETAN SANJAY	*Electrical power generation through speed breaker*	conventional energy saving and Right use of kinetic energy	Techno social Project
			24	ANIKET PATIL THORAT			
13	Mrs.M.U.Phutane	13	25	KACCHI AKIL HANIF	*Raspberry Pi Based Intelligent Car Anti-Theft System Through Face Recognition*	Recognize Using GSM and GPS	Techno social Project
			26	MUJAWAR TANJEEL MAHAMADRAFIK			
14	Mrs P.P. Bellagli	14	27	JATHAR JAYESH SUNIL	Automatic CNC writing / drawing machine	industrial application	**Techno social Project**
			28	SUDHIR SALE			
15	Prof.M.B.Bhilawade	15	29	KORE CHAITANYA ARVIND	*Solar tracking system witauto cutoff battery ckt and inverter system*		Techno social Project
			1	(ETRX)			
			2				

Dr. J. J. Magdum College Of Engg
Department
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Jaysingpur

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HOD(ETC)

C – Copyright
D – Design - patent.

Dr. J. J. Magdum College of Engineering, Jaysingpur.
Department of Information Technology Engineering
Class-B.Tech.IT
Btech Project Detail 2022-23

Roll.No.	Name Of the Student	Title of the project	Type of Project	Faculty Name
			Project group	
1	GAWAS AASHWINI RAGHOBA	Hospitality Service Management System C	G1 - Management+Sponsor ✓	Mrs.S. J. Chougule
2	KAMBLE SIYANG PRAFULLA			
3	MITHARE AKASH SURESH			
4	NARDEKAR SURAJ JAYKUMAR			
5	JAMADADE SHREYA ANIL	Gesture recognition based on virtual mouse & keyboard	G2- Social level	Mrs.J.T.Patil
6	MANGLEKAR RUTUJA PRAKASH			
7	MOHITE SAMRUDDHI SURESH			
8	NIMBALKAR AISHWARYA PRAKASH			
9	HIREMATH ADITYA NANDIKESHWAR	Fertilizer Optimizer	G3- Innovative+	Mrs. S.S.Solapure
10	JARE PRASHANT LAXMAN		or Techno societal	
11	KUMBHAR OMKAR BAJIRAO			
12	MOMIN MOHAMMAD RAASHID			
13	PATIL ROHIT LAXMAN			
14	KAMBLE ATISH VIJAY	Brain Tumor Detection Using Mask R-CNN D	G4-Medicare And Solutions	Mrs.S. J. Chougule
15	KHARE SURAJ RAVINDRA			
16	MAHAMUNI SHREYAS SATISH			
17	MULLA HAIDARALI TAJUDDIN			
18	PAWAR ASHLESHA MADHUKAR	Software for Vaishnavi Jewellers C	G5- Industry real time ✓ Sponsored	Mrs. A.G.Chendke
19	POTDAR DIPALI GAJANAN			
20	RAJPUT GOURI ARUNSING			
21	WAGH POONAM PRABHAKAR			
22	BANDGAR SAVITA APPASO	Stock Management System C	G6-Industry Real Time Sponsored	Mrs.J.T.Patil
23	PATHAN MUSKAN ISAK			
24	PATIL DIVYARANI DATTATRAY			
25	RAWAL MANASI MAHESH			
26	GAVALI ANUSHKA ARUN	Waste Food Management System Using Flutter	G7- Innovative+Techno Societal	Mr. R.A. Sanadi
27	KALE SHUBHAM DINESH			

Pg. 1

28	MHAMULKAR SANIYA PANDURANG			
29	MORE ROHIT MARUTI			
30	BABAR YOGESHRI SHIVAJI	Medical Management System	G8-Management + Real Time	Mr. R.A. Sanadi
31	KENJALE KEDAR DATTATRAY		Sponsor -	
32	KHADE NAYAN NAVJEEVAN			
33	PATIL NIKITA BALKRISHNA			
34	CHAVAN POOJA TULSIDAS	Dairy Automation C	G9-Techno Societal	Mrs..P.R.Patil
35	DHOLE AKSHATA YUVRAJ		Sponsored	
36	JAMADADE VRUSHALI TANAJI			
37	MANE PRJAKTA SHIVAJI			
38	CHAVAN GAYATRI SHASHIKANT	Pet Adoption App	G10-Techno Societal	Mrs.P.A.Tambgave
39	JADHAV SHREYA SHRIKANT			
40	MAGDUM AKANKSHA SADASHIV			
41	MAGDUM ANIKET SADASHIV			
42	JADHAV SHRAVAN ASHOK	Driver drowsiness detection system	G11-Techno societal	Mrs.Pallavi Desai
43	KANADE AMRUT ANANDA			
44	MANE SANDESH UTTAM			
45	SHELAKE ASHWAGANDHA MOHAN			
46	GURAV PRAJWAL MAHADEV	E-Commerce Website with PWA Technology for Interiors and Electricals	G12-Industry Real Time	Mrs.S.B.Holkar
47	SANKPAL GOURANK PRASHANT		Sponsored	
48	PATIL PRAJAKTA CHANDRAKANT			
49	PATIL PRAVIN PRALHAD			
50	HUKKERI SHRINATH RAJKUMAR	Audio Sentimate Analysis D	G13-Social level	Mrs. P.R Patil
51	RASAL ABHISHEKH SANJAY			
52	DESAI RAHUL SHIVAJI			
53	UPARATE SANKET SUDHAKAR			
54	MULLA AMAN RIYAJ	Design an IoT based noise detection and alert system for D	G14- Social Level	Mrs. S.S.Solapure
55	PUJARI RUSHIKESH PRAKASH	silent zone areas.		
56	SHAIKH JUNED JAHANGIR			
57	SHIRDHONE CHIDANAND EKNATH			
58	PATIL SUSHANT VASABTRAO	Gas Leakge Detector using Arduino UNO	G15-Inter disciplinary	Mrs.P.A.Tambgave

Dr. J. J. Magdum College of Engineering, Jaysingpur.
Department of Information Technology Engineering
Class-B.Tech.IT
Btech Project Sponsership Details -2022-23

Roll	Name Of the Student	Title of the project	Type of Project Project group	Industry Name	Faculty Name	Sign
1	DAWAS AASHWINI RAGHOBA	Hospitality Service Management System	G1 - Management+Sponso	hotel "Rasika",Kolhapur	Mrs.S. J. Chougule	
2	KAMBLE SIYANG PRAFULLA					
3	MITHARE AKASH SURESH					
4	NARDEKAR SURAJ JAYKUMAR					
15	PAWAR ASHLESHA MADHUKAR	Software for Vaishnavi Jewellers	G5- Industry real time Sponsored	Vaishnavi Jewellars,Sangli	Mrs. A.G.Chendke	
19	POTDAR DIPALI GAJANAN					
20	RAJPUT GOURI ARUNSING					
21	WAGH POONAM PRABHAKAR					
22	BANDGAR SAVITA APPASO	Stock Management System	G6-Industry Real Time Sponsored	Shri Patil Oil traders and spare Parts , Jaysingpur	Mrs.J.T.Patil	
23	PATHAN MUSKAN ISAK					
24	PATIL DIVYARANI DATTATRAY					
29	RAWAL MANASI MAHESH					
30	BABAR YOGESHRI SHIVAJI	Medical Management System	G8-Management + Real Tin Sponsored	Shri Nagrik Medical,Karad,Dist-Satara	Mr. R.A. Sanadi	
31	KENJALE KEDAR DATTATRAY					
32	KHADE NAYAN NAVISEVAN					
33	PATIL NIKITA BALKRISHNA					
34	CHAVAN POOJA TULSIDAS	Dairy Automation	G9-Techno Societal Sponsored	Dargoba Dughdha Sankalan Kendra,VisapurDist -Sangli	Mrs..P.R.Patil	
35	DHOLE AKSHATA YUVRAJ					
36	JAMADADE VRUSHALI TANAJI					
37	MANE PRAKTA SHIVAJI					
46	GURAV PRAJWAL MAHADEV	E-Commerce Website with PWA Technology for Interiors and Electricals	G12-Industry Real Time Sponsored	KIAAN Interiors and electricals ,Pune	Mrs.S.B.Holkar	
47	SANKPAL GOURANK PRASHANT					
48	PATIL PRAJAKTA CHANDRAKANT					
49	PATIL PRAVIN PRALHAD					
62	PATIL SAIESH SHEKHAR	Advance dynamic E-commerce website	G16-Industry real Time Sponsored	Mind-IT services,Miraj,Sangli	Mrs.S.B.Holkar	
63	PATIL SHRIDHAR SURESH					
64	SHINTRE GOURAV GIRISH					
65	SUTAR SWAPNIL SATISH					

Mrs.Solapure S.S
DRC coordinator

Dr. J. J. Magdum College of Engineering, Jaysingpur. I.T. Dept.

Mr. R.A.Sanadi
HoD IT Department