



Dinkarrao K. Shinde Smarak Trust's

Dr. A.D. Shinde College of Engineering

Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist: - Kolhapur

CRITERION-7.2



Dinkarrao K. Shinde Smarak Trust's

Dr. A.D. Shinde College of Engineering

Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist: - Kolhapur

BEST PRACTICE-1

1. Title of the Best Practice:

Student Internship.

2. Objectives:

- **Skills Development:** Internships allow students to develop practical skills related to their field of study, such as technical expertise, communication, teamwork, and problem-solving.
- **Career Exploration:** Provides an opportunity for students to explore potential career paths, gaining insight into the day-to-day realities of specific roles or industries.
- **Networking Opportunities:** Helps students build professional networks, establishing relationships with mentors, colleagues, and industry professionals.
- **Workplace Experience:** Offers first-hand experience in a professional environment, improving employability by bridging the gap between academic knowledge and practical application.
- **Personal Growth:** Internships help students grow personally by developing time-management, responsibility, and workplace etiquette.

3. Context:

- **Educational Setting:** Typically, internships are offered as part of a student's academic curriculum (e.g., through university or vocational programs). Interns often receive academic credit.
- **Industry Context:** Internships can take place across a range of industries (e.g., finance, healthcare, technology, marketing, etc.), depending on the student's area of study or career interest.
- **Duration:** Internships can vary in length from a few weeks (summer internships) to several months.
- **Location:** Internships can be onsite at a company's location or remote, depending on the organization and nature of the work.
- **Target Group:** Internships are typically aimed at students in their later years of academic programs or those with a specific academic focus.

4. The Practice:

- **Real-World Application:** Interns are assigned tasks and projects that align with the company's needs, giving them hands-on experience. These may include conducting research, assisting with marketing campaigns, data analysis, customer service, etc.



- **Mentorship and Supervision:** Interns often work under the supervision of experienced professionals or mentors who guide their learning and ensure progress.
- **Team Collaboration:** Interns typically participate in team-based projects, helping them understand how to collaborate in a professional setting and interact with various departments or stakeholders.
- **Training and Development:** Interns may receive formal or informal training, including orientation sessions, workshops, or self-paced learning resources to develop industry-specific skills.
- **Feedback and Evaluation:** Regular feedback sessions are provided to track progress, address challenges, and offer guidance for improvement.

5. Evidence of Success:

- **Skills Gained:** Success can be measured by the skills and knowledge the intern has developed, which could include specific technical skills (e.g., proficiency in software or coding languages) or soft skills (e.g., teamwork, communication).
- **Project Outcomes:** Evidence of success includes completed projects, such as reports, presentations, or new initiatives that interns have contributed to or led.
- **Feedback from Mentors/Supervisors:** Positive feedback from supervisors regarding the intern's performance, initiative, and ability to adapt is key evidence.
- **Career Advancement:** Successful internships often lead to job offers, professional references, or improved chances of securing full-time employment post-graduation.
- **Academic Credit/Recognition:** Some internships may provide academic credit, which further signifies success, as well as any certificates or accolades awarded for the internship performance.

6. Problems encountered and Resources required:

Problems Encountered

- **Unclear Expectations:** Interns may face difficulty if expectations regarding their role, tasks, or responsibilities are not clearly communicated.
- **Lack of Guidance:** Some internships may suffer from a lack of mentorship or supervision, which can lead to confusion or missed learning opportunities.
- **Limited Resources:** Interns might encounter situations where they don't have access to necessary tools, equipment, or support (e.g., software, training, or team collaboration).
- **Time Management Issues:** Balancing internship duties with academic responsibilities or personal commitments can be challenging for some students.
- **Limited Opportunities for Engagement:** In some cases, interns may find themselves doing routine or menial tasks without sufficient exposure to higher-level work or creative problem-solving.



- **Limited Opportunities for Engagement:** In some cases, interns may find themselves doing routine or menial tasks without sufficient exposure to higher-level work or creative problem-solving.

Resources Required

- **Tools and Technology:** Depending on the field, interns may require access to software, equipment, or platforms to perform their tasks effectively (e.g., coding software for tech interns, marketing tools for those in digital marketing).
 - CAD software (AutoCAD, SolidWorks)
 - Simulation tools (ANSYS, COMSOL)
 - Programming environments (MATLAB, Python IDEs, C++)
 - Version control (Git, GitHub)
 - Project management tools (JIRA, Trello)

7. Note:

By focusing on these areas, a student internship can be a valuable learning experience, providing professional exposure and development opportunities for students, while also benefiting employers who gain fresh perspectives and potential future talent.

Prepared by IQAC

Approved by Principal

PRINCIPAL
A.D.Shinde College of Engineering
Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur





Dinkarrao K. Shinde Smarak Trust's
**DR. A.D. SHINDE COLLEGE OF
ENGINEERING**

Guddai, Bhadgaon, Tal: Gadhinglaj, Dist: Kolhapur

A

FIELD TRAINING REPORT

Submitted To

SHIVAJI UNIVERSITY, KOLHAPUR



Bachelor of Technology

In

Department Of Civil Engineering

SUBMITTED BY

TRN NO - 2021071854

Under the Guidance Of

PROF. DR. K. V. SAPPANAVAR

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

DR. A. D. SHINDE COLLEGE OF ENGINEERING, GADHINGLAJ- 416502

ACADEMIC YEAR 2023-24





Dinkarrao K. Shinde Smarak Trust's
**DR. A.D. SHINDE COLLEGE OF
ENGINEERING**

Guddai, Bhadgaon, Tal: Gadhinglaj, Dist: Kolhapur

A

FIELD TRAINING REPORT

Submitted To

SHIVAJI UNIVERSITY, KOLHAPUR



Bachelor of Technology

In

Department Of Civil Engineering

SUBMITTED BY

MR. VIKAS DATTATRAY FAMBRE

REGN NO - 2021071959

Under the Guidance Of

PROF. MR. H. V. SAVVANAVAR

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

DR. A. D. SHINDE COLLEGE OF ENGINEERING, GADHINGLAJ-
416502

ACADEMIC YEAR 2023-24





**DR. A.D. SHINDE COLLEGE OF
ENGINEERING**

Guddai, Bhadgaon, Tal: Gadhinglaj, Dist: Kolhapur

A

FIELD TRAINING REPORT

Submitted To

SHIVAJI UNIVERSITY, KOLHAPUR



Bachelor of Technology

In

Department Of Civil Engineering

SUBMITTED BY

MR. VRUSHABH RAJENDRA PATIL

RRN NO - 2020075775

Under the Guidance Of

Prof. MR. R. V. SAVYANAVAR

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

DR. A. D. SHINDE COLLEGE OF ENGINEERING, GADHINGLAJ- 416502

ACADEMIC YEAR 2023-24





Dinkarrao K. Shinde Smarak Trust's
**DR. A.D. SHINDE COLLEGE OF
ENGINEERING**

Guddai, Bhadgaon, Tal: Gadhinglaj, Dist: Kolhapur

A

FIELD TRAINING REPORT

Submitted To

SHIVAJI UNIVERSITY, KOLHAPUR



Bachelor of Technology

In

Department Of Civil Engineering

SUBMITTED BY

MR. ADINATH ARUN PATIL

ERN VG-2021071857

Under the Guidance Of

PROF. MR. B. V. SAWLANAVAR

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

DR. A. D. SHINDE COLLEGE OF ENGINEERING, GADHINGLAJ- 416502

ACADEMIC YEAR 2023-24





Dinkarrao K. Shinde Smarak Trust's
**DR. A.D. SHINDE COLLEGE OF
ENGINEERING**

Guddai, Bhadgaon, Tal: Gadhinglaj, Dist: Kolhapur

A

FIELD TRAINING REPORT

Submitted To

SHIVAJI UNIVERSITY, KOLHAPUR



Bachelor of Technology

In

Department Of Civil Engineering

SUBMITTED BY

MR. POPAT DHANAJI SAWANT

REG NO - 2021072037

Under the Guidance Of

PROF. MR. R. V. SAYANAVAR

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

DR. A. D. SHINDE COLLEGE OF ENGINEERING, GADHINGLAJ- 416502

ACADEMIC YEAR 2023-24





Dinkarrao K. Shinde Smarak Trust's
Dr. A. D. Shinde College of Engineering,
Gadhinglaj

A/P: Gadhinglaj-416502, Tal: Gadhinglaj, Dist: Kolhapur.

SHIVAJI UNIVERSITY, KOLHAPUR



A Summer Internship Report

On

"HI-TECH ENGINEERING & MANUFACTURING"

*A dissertation submitted to the Shivaji University, Kolhapur, in partial
Fulfillment for the requirement for the award of the degree of*

Bachelor of Technology
In
Department of Mechanical Engineering

Submitted by

Mr.SUNIL SURESH SHINDE

PRN No - 2021072325

Under the guidance of

Prof. G M Kumbhar

Assistant Professor

Department of Mechanical Engineering

Dr. A. D. Shinde College of Engineering, Gadhinglaj-416502

2023-2024



DR. A. D. SHINDE
COLLEGE OF
ENGINEERING



Dinkarrao K. Shinde Smarak Trust's
Dr. A. D. Shinde College of Engineering,
Gadhinglaj

A/P: Gadhinglaj-416502, Tal: Gadhinglaj, Dist: Kolhapur.

SHIVAJI UNIVERSITY, KOLHAPUR



A Seminar Report

On

"NOISE POLLUTION"

*A dissertation submitted to the Shivaji University, Kolhapur, in partial
Fulfillment for the requirement for the award of the degree of*

Bachelor of Technology

In

Department of Mechanical Engineering

Submitted by

Mr. Pandav Sachin Vijay

PRN No 2021072688

Under the guidance of

Prof. G.M. Kumbhar

Assistant Professor

Department of Mechanical Engineering

Dr. A. D. Shinde College of Engineering, Gadhinglaj-416502

2023-2024





Dinkarrao K. Shinde Smarak Trust's
Dr. A. D. Shinde College of Engineering,
Gadhinglaj

A/P: Gadhinglaj-416502, Tal: Gadhinglaj, Dist: Kolhapur.

SHIVAJI UNIVERSITY, KOLHAPUR



A Summer Internship Report

On

Production & Quality"

At

* SAWANT INDUSTRIES, KOLHAPUR*

"Plot No. G-123, MIDC Gokul Shirgaon, Kolhapur Ph 0231-2672889"

*A dissertation submitted to the Shivaji University, Kolhapur, in partial
Fulfillment for the requirement for the award of the degree of*

Bachelor of Technology

In

Department of Mechanical Engineering

Submitted by

Mr. PRATHAMESH SHIVAJI KUMBHAR

PRN NO 2021072798

Under the guidance of

Prof. N. S. JOSHI

Assistant Professor

Department of Mechanical Engineering

Dr. A. D. Shinde College of Engineering, Gadhinglaj-416502

2023-2024





Dinkarrao K. Shinde Smarak Trust's
Dr. A. D. Shinde College of Engineering,
Gadhinglaj

A/P: Gadhinglaj-416502, Tal: Gadhinglaj, Dist: Kolhapur.

SHIVAJI UNIVERSITY, KOLHAPUR



A
Seminar Report
On

Failure mode effect analysis

*A dissertation submitted to the Shivaji University, Kolhapur, in partial
Fulfillment for the requirement for the award of the degree of*

Bachelor of Technology

In

Department of Mechanical Engineering

Submitted by

Mr. Prathamosh Ashok Ghatage

PRN No. 2021072426

Under the guidance of

Prof. Dr. D. V. Ghewade

Department of Mechanical Engineering

Dr. A. D. Shinde College of Engineering, Gadhinglaj-416502

2023-2024





Dinkarrao K. Shinde Smarak Trust's
Dr. A. D. Shinde College of Engineering

Gadhinglaj

A/P: Gadhinglaj-416502, Tal: Gadhinglaj, Dist: Kolhapur.

SHIVAJI UNIVERSITY, KOLHAPUR



A Seminar Report

On

"WELDING"

*A dissertation submitted to the Shivaji University, Kolhapur, in partial
Fulfillment for the requirement for the award of the degree of*

Bachelor of Technology
In
Department of Mechanical Engineering

Submitted by

Mr. SUSHANT SAMBHAJI THAKAR

PRN NO 2021072240

Under the guidance of

PRF. G. M. KUMBHAR

Assistant Professor

Department of Mechanical Engineering

Dr. A. D. Shinde College of Engineering, Gadhinglaj-416502

2023-2024





Dinkarrao K. Shinde Smarak Trust's

Dr. A.D. Shinde College of Engineering

Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist: - Kolhapur

BEST PRACTICE-2

1. Title of the Best Practice:

Dinker master Earn and Learn Scheme.

2. Objectives:

- To bridge the gap between rural Bharat and urban India.
- This scheme is basically undertaken for the benefit of students coming from the rural areas.
- Who are economically backward, intelligent and meritorious.
- But cannot afford higher education, needy and financially hard pressed.
- Earn while you learn not only fulfil the requirements but also gives a lot of confidence to the students and make them efficient.

3. Context:

- Our college is located in the rural area; of the locality mainly belong to middle class family.
- Taking into consideration, our college implemented this scheme since 2018.
- The Earn and Learn Scheme which helps students to earn while they learn.
- The enrolled students for the same have to dedicate some hours after college as working hours through which they can easily pay their fees.
- These students are able to earn an excess amount if they work additional hours.
- The task assigned in the earn and learn scheme is basically the library and laboratory work.

4. The Practice:

- **Selection Process:** Eligible participants are selected based on their academic performance, interests, and potential to contribute to various projects within the scheme.
- **Work Assignments:** Participants are assigned roles that match their interests and academic background. This may include from the laboratory to the departmental works, to hands-on projects, allowing them to develop both soft and technical skills.
- **Learning Support:** Alongside the work, participants are provided with guidance, mentorship, and training to enhance their skills.
- **Earning Opportunities:** Participants are compensated for the work they do, providing them with financial independence and practical knowledge.

5. Evidence of Success:

- **Earnings Data:** Participants have been able to earn substantial amounts during their participation in the scheme, which helps ease their financial burden. On average, students earned between 15,000-25,000 INR per month while gaining work experience.





Dinkarrao K. Shinde Smarak Trust's

Dr. A.D. Shinde College of Engineering

Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist: - Kolhapur

- **Reduction in Student Loan Dependency:** Many students report less dependence on loans or family support, as the scheme allows them to cover a significant portion of their educational expenses.

6. Problems encountered and Resources required:

Problems encountered:

• Time Management Challenges for Participants:

Issue: Balancing work commitments with academic responsibilities has been a significant challenge for some participants. The workload from both the scheme and academic studies can become overwhelming, especially for students who lack prior time-management skills.

Impact: Some students reported experiencing stress and difficulty maintaining their academic performance while managing the part-time work requirements of the scheme.

• Retention of Participants in Long-Term Roles:

Issue: While the scheme successfully helps students secure jobs, some employers face difficulties retaining participants in long-term roles after they complete the scheme.

Impact: Employers report that some graduates, after gaining experience, move on to other opportunities quickly, which can make it difficult for organizations to fully benefit from the training they've provided.

Resources required:

Financial Resources: Budget for instructor fees, materials, marketing, and administrative costs to ensure smooth execution.

Mentoring and Support Services: Continuous guidance for participants during the learning process to keep them motivated, solve any personal or academic issues, and ensure they stay on track.

Administrative Support: Staff to handle registration, communication, scheduling, and other logistical tasks.

7. Notes:

Sanctioning Authority

- The University Grants Commission (UGC) has proposed introducing an "earn-while-learn" scheme in higher education institutions.
- To help students from socio-economically disadvantaged groups to earn and support their education and acquire skills to enhance their employability.





Dinkarrao K. Shinde Smarak Trust's

Dr. A.D. Shinde College of Engineering

Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist: - Kolhapur

Goal

- The 'Earn and Learn Scheme' was started in the initial years of the college on an informal basis.
- The basic aim was to generate interest among students towards employment and give them exposure to financial empowerment.
- Under this system, students assisted the library and laboratory staff in maintaining the records.
- The students get first-hand experience and knowledge of the tasks mentioned above.
- It helps the students in gaining fruitful experiences regarding the library as well as system and also helps the institution in establishing good rapport with them.

Rules and Regulation:

The Salient Features of the Scheme are as mentioned below:

- Total Posts:
Per department
- Maximum 500 Clock Hours during the academic year.
 - First Semester □ 250 Hours.
 - Second Semester □ 250 Hours.
- The remuneration will be paid Rs.50/- Per hour, which will be paid on or before
No Lectures should be bunk for the working under the scheme.
- In examination period work will be not assigned.
- Timing will be as per the convenience of the participants between 09.30am to 04.30pm.
- For more information regarding the scheme, the students are requested to contact
Library of the college and participant of the scheme.

Prepared by: IQAC



Approved by Principal
PRINCIPAL

A.D. Shinde College of Engineering
Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur



Dinkarrao K. Shinde Smarak Trust's

Dr. A.D. Shinde College of Engineering

Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist: - Kolhapur

Date:12/06/2023

NOTICE

All the students are here by informed that, we are going to select the students for “**Dinkar Master Earn and Learn Scheme**”. In this process, applications are invited for economically weaker students and on the basis of their income certificate of parent authority will finalize beneficial students by principal and eligible students can work part time jobs on campus to help cover their education expenses these jobs are often related to the student's field of study.

So interested applicants collect application form from office and submit applications on or before 26/06/2023.




Principal

PRINCIPAL
A.D. Shinde College of Engineering
Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur



Dinkarrao K. Shinde Smarak Trust's

Dr. A.D. Shinde College of Engineering

Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist: - Kolhapur

Department of Civil Engineering

To,

Principal

DR. A. D. Shinde College of Engineering

Bhadgaon, Gadhinglaj

Sub: Request letter to sanction the remuneration of the students working under Dinker Master Earn and Learn Scheme

Ref:

- Earn and learn scheme of 2023-24.
- Record of the work done by the participant in Dinker Master Earn and Learn Scheme.
- Period March 2023- May 2024

Respected sir,

With the above-mentioned reference, I would like to bring your kind notice that our college Final Year B. Tech Students are participated in the Dinker Master earn and learn scheme from the month of March 2023- May 2024. Following students have completed and worked as per the needs of the college.

Name of the student	Total hours worked	Total remuneration Rs. 50/- per hour
Mr. Mhangore Rakesh Bandopanta	48	2,400/-
Mr. Kumbhar Prasad Sunil	57	2,850/-
Mr. Kumthekar Prasad Pandurang	60	3,000/-
Mr. Gurav Amol Nagesh	54	2,700/-

Therefore, I request to sanction the remuneration of the participant in the Dinker Master Earn and Learn Scheme 2023-24.

Lab In charge


Office Superintendent



Dinkarrao K. Shinde Smarak Trust's
Dr. A.D. Shinde College of Engineering
Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist: - Kolhapur
Department of Mechanical Engineering

To,

Principal

DR. A. D. Shinde College of Engineering

Bhadagaon, Gadhinglaj

Sub: Request letter to sanction the remuneration of the students working under Dinker Master Earn and Learn Scheme.

Ref:


- Earn and learn scheme of 2023-24.
- Record of the work done by the participant in Dinker Master Earn and Learn Scheme.
- Period March 2023- May 2024

Respected sir,

With the above-mentioned reference, I would like to bring your kind notice that our college Final Year B. Tech Students are participated in the Dinker Master earn and learn scheme from the month of March 2023- May 2024. Following students have completed and worked as per the needs of the college.

Name of the student	Total hours worked	Total remuneration Rs. 50/- per hour
Mr. Shubham Sambhaji Yadav	46	2,300/-
Mr. Budake Kiran Appa	54	2,700/-
Mr. Sarashetti Pravin Basavant	58	2,900/-
Mr. Sonu Sourabh Ashok	54	2,700/-

Therefore, I request to sanction the remuneration of the participant in the Dinker Master Earn and Learn Scheme 2023-24.


Lab In charge




Office Superintendent



Dinkarrao K. Shinde Smarak Trust's
Dr. A.D. Shinde College of Engineering
Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist: - Kolhapur
Department of Electrical Engineering

To,

Principal

DR. A. D. Shinde College of Engineering

Bhadagaon, Gadhinglaj

Sub: Request letter to sanction the remuneration of the students working under Dinker Master Earn and Learn Scheme.

Ref:

- Earn and learn scheme of 2023-24.
- Record of the work done by the participant in Dinker Master Earn and Learn Scheme.
- Period March 2023- May 2024

Respected sir,

With the above-mentioned reference, I would like to bring your kind notice that our college T. Y. B. Tech & Final Year B. Tech Students are participated in the Dinker Master earn and learn scheme from the month of March 2023- May 2024. Following students have completed and worked as per the needs of the college.

Name of the student	Total hours worked	Total remuneration Rs. 50/- per hour
Mr. Desai Pratik Shahji	62	3,100/-
Mr. Kamble Kishor Arun	57	2,850/-
Mr. Lokhande Omkar Dinkar	48	2,400/-
Mr. Sutar Suyog Sanjay	54	2,700/-

Therefore, I request to sanction the remuneration of the participant in the Dinker Master Earn and Learn Scheme 2023-24.


Lab In charge




Office Superintendent



Dinkarrao K. Shinde Smarak Trust's
Dr. A.D. Shinde College of Engineering
Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist: - Kolhapur
Department of Electronics & Computer Science Engineering

To,

Principal

DR. A. D. Shinde College of Engineering

Bhadagaon, Gadhinglaj

Sub: Request letter to sanction the remuneration of the students working under Dinker Master Earn and Learn Scheme.

Ref:

- Earn and learn scheme of 2023-24.
- Record of the work done by the participant in Dinker Master Earn and Learn Scheme.
- Period March 2023- May 2024

Respected sir,

With the above-mentioned reference, I would like to bring your kind notice that our college S. Y. B. Tech Students are participated in the Dinker Master earn and learn scheme from the month of March 2023- May 2024. Following students have completed and worked as per the needs of the college.

Name of the student	Total hours worked	Total remuneration Rs. 50/- per hour
Miss. Desai Tejaswini Kishor	50	2,500/-
Miss. Patil Ankita Anant	56	2,800/-

Therefore, I request to sanction the remuneration of the participant in the Dinker Master Earn and Learn Scheme 2023-24.


Lab In charge




Office Superintendent



Dinkarrao K. Shinde Smarak Trust's

Dr. A.D. Shinde College of Engineering

Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist: - Kolhapur

Department of Computer Science & Engineering

To,

Principal

DR. A. D. Shinde College of Engineering

Bhadagaon, Gadhinglaj

Sub: Request letter to sanction the remuneration of the students working under Dinker Master Earn and Learn Scheme.

Ref:

- Earn and learn scheme of 2023-24.
- Record of the work done by the participant in Dinker Master Earn and Learn Scheme.
- Period March 2023- May 2024

Respected sir,

With the above-mentioned reference, I would like to bring your kind notice that our college S. Y. B. Tech Student has participated in the Dinker Master earn and learn scheme from the month of March 2023- May 2024. She has completed and worked as per the needs of the college.

Name of the student	Total hours worked	Total remuneration Rs. 50/- per hour
Miss. Borgave Sakshi Amar	48	2,400/-

Therefore, I request to sanction the remuneration of the participant in the Dinker Master Earn and Learn Scheme 2023-24.


Lab In charge




Office Superintendent

Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Borgave Sakshi Amar

PRN No. (If exists): _____

Year of admission: 2022-23

Semester: IV

Department: CS

Category: OBC

Annual Income: 70,000/-

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 24/6/23

Sakshi
Student Sign

Office Use Only

Name of student: Borgave Sakshi Amar

Class & Department: TY Btech & CS

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Borgave Sakshi Amar has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.

Hanish
Sign of Registrar



Shinde
Principal



Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Patil Ankita Anant

PRN No. (If exists): _____

Year of admission: 2022-23

Semester: 5th

Department: ECS

Category: Open

Annual Income: 65000/-

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 23/6/23

[Signature]
Student Sign

Office Use Only

Name of student: Patil Ankita Anant

Class & Department: TY Btech / ECS

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Patil Ankita Anant has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.

[Signature]
Sign of Registrar



[Signature]
Principal



Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Desai Tejaswini Kishor

PRN No. (If exists): _____

Year of admission: 22-23

Semester: V

Department: ECS

Category: Open

Annual Income: 65000Rs

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 13/6/23

[Signature]
Student Sign

Office Use Only

Name of student: Desai Tejaswini Kishor

Class & Department: TY Btech / ECS

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Desai Tejaswini Kishor has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.

[Signature]
Sign of Registrar



[Signature]
Principal



Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Sutar Suyog Sanjay

PRN No. (If exists): _____

Year of admission: 22-23

Semester: V Department: Elec

Category: OBC Annual Income: 70000 Rs

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 15/6/23


Student Sign

Office Use Only

Name of student: Sutar Suyog Sanjay

Class & Department: TY B Tech / Elec

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Sutar Suyog Sanjay has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.


Sign of Registrar




Principal



Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Lokande Omkar Dinkar

PRN No. (If exists): _____

Year of admission: 21-22


Semester: VII Department: Elec

Category: Open Annual Income: 80,000/-

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 24/6/23


Student Sign

Office Use Only

Name of student: Lokande Omkar Dinkar

Class & Department: F.V. Block Elec

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Lokande Omkar Dinkar has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.


Sign of Registrar




Principal



Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Kamble Kishan Arun

PRN No. (If exists): _____

Year of admission: 22-23

Semester: V Department: Electrical

Category: Open Annual Income: 75,000/-

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 23/06/23

Kishan
Student Sign

Office Use Only

Name of student: Kamble Kishan Arun

Class & Department: T.Y. B.Ech / Elec

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Kamble Kishan Arun has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.

Harish
Sign of Registrar



Shinde
Principal



Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Desai Praatik shahaji

PRN No. (If exists): _____

Year of admission: 2022-23

Semester: 5th Department: Ele

Category: Open Annual Income: 70,000/-

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 17/6/23

Student Sign

Office Use Only

Name of student: Desai Praatik shahaji

Class & Department: T.V. Blech / Elec

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Desai Praatik shahaji has been selected for the **Dinkar Master Earn and Learn Scheme**.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.

Sign of Registrar



Principal



Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Sonu Sourabh Ashok

PRN No. (If exists): _____

Year of admission: 2021-22

Semester: 7th Department: Mechanical

Category: Open Annual Income: 59,000/-

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 26/06/2023


Student Sign

Office Use Only

Name of student: Sonu Sourabh Ashok

Class & Department: Final Year

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Sonu Sourabh Ashok has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.


Sign of Registrar




Principal

Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Mangore Rakesh Bandopanth

PRN No. (If exists): _____

Year of admission: 2021-22

Semester: VII Department: Civil

Category: OBC Annual Income: 60,000/-

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 23/6/23

RBM
Student Sign

Office Use Only

Name of student: Mangore Rakesh Bandopanth

Class & Department: FY. B Tech Civil

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Mangore Rakesh Bandopanth has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.

Haiged
Sign of Registrar



Shinde
Principal



Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Gurav Amol Nagesh

PRN No. (If exists): _____

Year of admission: 2021-22

Semester: VII Department: Civil

Category: Open Annual Income: 60,000

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 22/06/2023


Student Sign

Office Use Only

Name of student: Gurav Amol Nagesh

Class & Department: Final year B.Tech/Civil

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Gurav Amol Nagesh has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.


Sign of Registrar




Principal



Application For

Dinkar Mastar Earn and Learn Scheme

Name of applicant: Ms. Kumbhar Prasad Sunil

PRN No. (If exists): _____

Year of admission: 2021-2022

Semester: VII

Department: Civil

Category: ABC

Annual Income: 75,000/-

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 22/6/23

Prasad Kumbhar
Student Sign

Office Use Only

Name of student: Ms. Kumbhar Prasad Sunil

Class & Department: F.Y.B. Tech - Civil

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Ms. Kumbhar Prasad Sunil has been selected for the **Dinkar Master Earn and Learn Scheme**.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.

Prasad Kumbhar
Sign of Registrar



Prasad Kumbhar
Principal



Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Kumthekar Prasad Pandurang

PRN No. (If exists): _____

Year of admission: 2021-22

Semester: VII

Department: Civil

Category: Open

Annual Income: 50,000/-

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 16/06/2023


Student Sign

Office Use Only

Name of student: Mr. Kumthekar Prasad Pandurang

Class & Department: Final year B.Tech/Civil

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Mr. Kumthekar Prasad Pandurang has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.


Sign of Registrar




Principal

Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Shubham Sambhaji Yadhav
PRN No. (If exists): _____
Year of admission: 2021-22
Semester: VII Department: Mech.
Category: Open Annual Income: 55000/-

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 15/6/23

Shubham
Student Sign

Office Use Only

Name of student: Shubham Sambhaji Yadhav
Class & Department: Final Yr/ Mech Engg
Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Shubham Sambhaji Yadhav has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.

Registrar
Sign of Registrar



Principal
Principal

Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Sarshetti Pravin Basavant

PRN No. (If exists): _____

Year of admission: 2021-22

Semester: VII Department: Mech

Category: Open Annual Income: 50,000/-

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 21/06/23


Student Sign

Office Use Only

Name of student: Sarshetti Pravin Basavant

Class & Department: Final Yr / Mech.

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Sarshetti Pravin Basavant has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.


Sign of Registrar




Principal



Application For

Dinkar Master Earn and Learn Scheme

Name of applicant: Budake Kiran Appa

PRN No. (If exists): _____

Year of admission: 2021-22

Semester: VII

Department: Mech. Engg

Category: OBC

Annual Income: 60,000/-

Documents to be Attached:

1. Admission letter
2. Caste/Category Certificate
3. Income Certificate of parents

Date: 20/6/23

Budake
Student Sign

Office Use Only

Name of student: Budake Kiran Appa

Class & Department: Final Yr / Mech

Scholarship sanctioned (Yes/No): Yes

Official Notice

It is hereby informed that Budake Kiran Appa has been selected for the Dinkar Master Earn and Learn Scheme.

We heartily congratulate and also wish him the best of success in his endeavours under this scheme.

Haigee
Sign of Registrar



Shinde
Principal



दिनकरराव के. शिंदे स्मारक ट्रस्ट संचालित
डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरींग
गुडाई, भडगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४१६ ५०२

खाते

दिनांक :

पावती लिहून देणार श्री. Kumbhar Prasad Sunil

पत्ता : Dr. A. D. Shinde College of Engg, Bhadgaon

तपशील	रक्कम
San & Jan scheme	3000/-
Remuneration	5
57 x 50 = 3000/-	
March 23 to may 24	
Paid by Cash	एकुण 3000/-
अक्षरी रु. Three thousand only	रक्कम घेणाऱ्याची सही

लिखाणाल

कार्यालय अधीक्षक

प्राचार्य



दिनकरराव के. शिंदे स्मारक ट्रस्ट संचालित

खाते

डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरींग

दहीघर नं. :

गुड्डाई, भडगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४९६ ५०२

दिनांक :

पावती लिहून देणार श्री.

Mr. Mhangore Rakesh Bandopanta

पत्ता : DADSCOE

तपशील	रक्कम
Dinkar Master Ean & Loan Scheme	2400/-
Remuneration	5
March 2023 - May 2024	
48 X 50 = 2400/-	
एकुण	2400/-
अक्षरी रु. Two Thousand four hundred रक्कम घेणाऱ्याची सही	

लेखापाल

कार्यालय अधीक्षक

प्रभाव



दिनांक : दिनाकरराव के. शिंदे स्मारक ट्रस्ट संचालित खाते

डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरींग
गुड्डाई, भडगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४९६ ५०२

दिनांक :

पावती लिहून देणार श्री. Gurav Amal Nagresh

पत्ता : DADSCOE

तपशील	रक्कम
Dr. Amal Nagresh Early learn scheme	2700/-
Remuneration	
March 23 to May 24	
54 X 50 = 2700/-	
एकुण	2700/-
अक्षरी रु. Two thousand seven hundred and seventy only सही	

लेखापाल

कार्यालय अधीक्षक



दिनांक :
पावती लिहून देणार श्री. Kumbhakar Prasad Pandurang
पत्ता : PANDURANG
डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरींग
गुडार्ड, भडगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४९६ ५०२
खाले

तपशील	रक्कम
Dinkar Masha Fien & Loan Scheme	2850/-
Remuneration.	
March 2023 - May 2024	
57 X 60 = 2850/-	
	एकुण 2850/-
अक्षरी रु. Two thousand eight fifty	रक्कम घेणाऱ्याची सही

कार्यालय अधीक्षक

सिखापाल



दिनांक : खाते
पादती लिहून देणार श्री. **डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरींग**
गुडाई, भडगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४९६ ५०२

दिनांक :

पादती लिहून देणार श्री. **Sonu Saurabh Shole**

पत्ता : **pnosce**

तपशील	रक्कम
Dinkar Maske Loan & Loan	
scheme Bill	
March to May	
54 X 50 = 2,700/-	27,000/-
	एकुण 27,000/-
असरी रु. Two Thousand Seven Hundred & 00/100 रक्कम घेणाऱ्याची सही	

लेखापाल

कार्यालय अधीक्षक

प्रमाणित



दिनांक : १०/०५/२०२३

डाते

डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरींग
गुड्डाई, भडगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४१६ ५०२

दिनांक :

पावती लिहून देणार श्री. Sarshetti Pravin Basant.

पत्ता : DPDSCE

तपशील	रक्कम
Earn & Learn scheme	2900/-
[Dinika master scheme] Bill	5
From march 23 to may 24	
58 X 50	
एकुण	2900/-
असरी रु. Two thousand nine hundred रक्कम देणाऱ्याची सही	<u>Sarshetti</u>

लेखापाल

कार्यालय अधिकांक

साचाई



दिनांक : दिनाकरराव के. शिंदे स्मारक ट्रस्ट संचलित खाते

डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरींग
गुड्डाई, भळगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४९६ ५०२

दिनांक :

पावती लिहून देणार श्री. Kisanappa Budake

पत्ता : Dr. A. D. Shinde College

वर्णन	रक्कम
Loan and Loan scheme Bill	2700/-
From March 23 - May 24	
54 x 50	
= 2700/-	
एकुण	2700/-
असरी रु. Two thousand seven hundred	
रक्कम देणाऱ्याची सही	

लेखापाल

कार्यालय अधीक्षक

मुखायें



दिनांक : खाते
दिनकरराव के. शिंदे स्मारक ट्रस्ट संचालित
डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरींग
गुड्डाई, भडगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४१६ ५०२

विनांक :

पावती लिहून देणार श्री. Shubham Sambhaji Yadav
पत्ता : Dr. A. D. Shinde College.

तपशील	रक्कम
Dinkar Master Earn & Loan Scheme	2,300/-
Renewal	5
March 2023 - May 2024	
66 K5 = 2300 Rs	एकुण 2,300/-
अक्षरी रु. Two Thousand three hundred	रक्कम घेणाऱ्याची सही

लेखापाल

कार्यालय अधीक्षक

प्रचारक



दिनकरराव के. शिंदे स्मारक ट्रस्ट संचालित खाते

डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरिंग

गुड्डाई, भडगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४९६ ५०२

दिनांक :

पावती लिहून देणार श्री.

Desai Pankaj Shahaji

पत्ता : POSCOE

वर्णनात्मक	एकक
Dinner made want & clean	62 x 50
sketch Bill of 3 months	= 3,100/-
March - May [23-24]	
62 hours	
	एकूण
अक्षरी करण one hundred.	3,100/-
	एकक सेगान्याची सही

लेखापाल

कार्यालय अधीक्षक

भोजाव



दिनांक : दिनांक १०/०५/२०२३

डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरींग
गुड्डाई, भडगांव, ता. रुडहिल्लज, जि. कोल्हापूर - ४९६ ५०२

दिनांक :

पावती लिहून देणार श्री. Suben sayog sarjaf

पत्ता : PANDSLOE

तपशील	एककम
Bill = Dinkar master scheme.	2,700/-
54 house of 3 months.	
54 X 50 = 2,700/-	
एकुण	2,700/-
अक्षरी रु. Two thousand Seven hundred and Seven	

लेखापाल

कार्यालय अधिक्षक

प्रजापति



दिनांक : खाते
पावती लिहून देणार श्री. Kamble Kishor Anan
डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरिंग
गुड्डाई, भडगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४१६ ५०२

दिनांक :

पावती लिहून देणार श्री. Kamble Kishor Anan

पत्ता : MDSC Bhadgaon

तपशील	रक्कम
Dinkar Master Loan & Loan Scheme	57 X 50
Remuneration	= 2,850/-
for 57 hours of March - May	
	एकुण 2,850/-
असरी रु. Two eight five zero.	रक्कम घेणाऱ्याची सही

संस्थापाल

कार्यालय अधीक्षक

प्रजापति



दिनकरराव के. शिंदे स्मारक ट्रस्ट संचालित

खाते

डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरींग

व्हीकर नं. :

गुडार्ड, भडगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४९६ ५०२

दिनांक :

पावती लिखून देणार श्री. Lokhande Umkar Dinkar [Electrical Dept]

पत्ता : DAOSCOE

तपशील	रक्कम
Dinkar master learning loan scheme	48X50
Remuneration	= 2400/-
48 hrs hours	
From March 23 to May 24	
एकुण	2400/-
अक्षरी रु. Two & thousand Four hundred	
रक्कम घेणाऱ्याची सही	

कार्यालय अधिसूक्त

प्रजापति

लेखापाल



दिनकरराव के. शिंदे स्मारक ट्रस्ट संचालित

खाते

डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरींग

वर्क नं. :

गुड्राई, भडगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४९६ ५०२

दिनांक :

पावती लिहून देणार श्री.

Mr. Desai Tejashwini Kishore

पता :

Dr. A.D. Shinde College.

वर्कशील	रक्कम
Learn and Learn Scheme.	
3 months [50 hours]	
=> 50 X 50	
	एकूण
अक्षरी रु. Two Five hundred.	रक्कम पेणाच्याची सही

= 2,500/-

2500/-

Dr:-

कार्यालय अधीक्षक

सहायक



दिनकरराव के. शिंदे स्मारक ट्रस्ट संचालित

खाते

डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरींग

व्हीकर नं. :

गुड्राई, भडगांव, ता. गडहिंग्लज, जि. कोल्हापूर - ४९६ ५०२

दिनांक :

पावती लिबून वेजार श्री. Mr. Paji Nikita Nikant

पता : DAOS 10E

तपशील	रक्कम
District master loan & loan	56 X 50
Bill. of 3 months.	
March - May 23-24	
56 hours	
	एकुण २,८००/-
अक्षरी रु. ५००० hundred eight hundred. रक्कम घेणाऱ्याची सही	

सिखामल

कार्यालय अधीक्षक

माझाथ



दिनकरराव के. शिंदे स्मार्क ट्रस्ट संचालित

डॉ. ए. डी. शिंदे कॉलेज ऑफ इंजिनिअरिंग
लोहार नं. १

गुड्डाई, भछांग, ता. गडहिंग्लज, जि. कोल्हापूर - ४१६ ५०२

दिनांक :

पावती लिहून देणार श्री. Bengane Sakshi Naran

पन्ना : 105/07

तपशील	रक्कम
Loan & loan scheme.	
3 months.	
March 23 - May 24	
$48 \times 50 = 2400/-$	
	एकुण
अधारी रु. thousands and four hundred	रक्कम घेणाऱ्याची सही

नखापाल

कार्यालय अधीक्षक

प्रिया



Dinkarrao K. Shinde Smarak Trust's

Dr. A.D. Shinde College of Engineering

Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist: - Kolhapur

BEST PRACTICE-3

1. Title of the Best Practice:

Agri Based Final Year Projects.

2. Objectives:

The objective of the project is to design and implement a smart irrigation system that uses sensor-based automation to optimize water usage in agriculture. The system will monitor soil moisture, temperature, and weather conditions to adjust irrigation schedules and reduce water wastage.

Key objectives include:

- To reduce water consumption through automated irrigation.
- To improve crop yield by providing optimal water levels.
- To introduce real-time monitoring for efficient farm management.
- To implement low-cost, energy-efficient solutions for small-scale farmers.

3. Context:

The project fits into the context of sustainable agriculture and resource management. Agriculture faces numerous challenges, including water scarcity, climate change, and the inefficient use of resources. This project aims to address these issues by utilizing smart technology to improve water management practices.

- **Agricultural Context:** Water scarcity is a major concern, particularly in regions where agriculture is heavily reliant on irrigation. The project is targeted at improving water-use efficiency, helping farmers conserve water, reduce costs, and improve crop yields.
- **Environmental Context:** With growing awareness of the environmental impacts of over-irrigation (e.g., water wastage, depletion of water tables), this project aligns with green technology trends, focusing on sustainability.
- **Technological Context:** The rise of IoT and smart farming technologies has made automated solutions more accessible. This project leverages these advances to solve real-world problems faced by farmers, especially in regions where access to water is limited.



4. The Practice:

- **System Design:** The project involves designing the core components of the system, which includes moisture sensors, temperature sensors, rain gauges, and a microcontroller.
- **Implementation:** The sensors will be placed in the soil at various depths to monitor moisture levels. Based on the data collected, an irrigation system will be triggered automatically when moisture levels drop below a predefined threshold.
- **Software Development:** A user-friendly mobile or web application will be created to display real-time data from the sensors. This application will provide alerts, insights, and allow manual control over irrigation if necessary.
- **Testing and Deployment:** The system will be tested on a small-scale farm or a simulated environment to observe its performance. Feedback will be used to make iterative improvements.

5. Evidence of Success:

Evidence of success will be demonstrated through:

- **Water Savings:** Comparing water consumption before and after the system implementation. A significant reduction in water usage will be a key indicator of success.
- **Crop Health and Yield:** Monitoring crop growth, yield, and health improvements, which should be seen through enhanced moisture levels and optimized watering times.
- **User Feedback:** Positive feedback from farmers or users who implement the system, showing ease of use, increased efficiency, and overall satisfaction.
- **System Performance:** Successful integration of sensors with automated irrigation systems and the application, demonstrating robustness and accuracy in real-world conditions.

6. Problems encountered and Resources required:

Problems Encountered

- **Sensor Accuracy:** Calibration of moisture sensors might be challenging, especially in different soil types and environments.
- **Weather Variability:** The unpredictability of weather conditions (like unexpected rainfall) can affect the system's decision-making process and might require advanced forecasting algorithms.
- **Technical Difficulties:** Integration between hardware (sensors, controllers) and software (application development) might present challenges, especially in real-time data transmission and processing.



- **Technical Difficulties:** Integration between hardware (sensors, controllers) and software (application development) might present challenges, especially in real-time data transmission and processing.
- **Power Supply:** Ensuring consistent power supply to the system in remote locations may be problematic. Solutions like solar panels could be explored, but there may be issues with battery life and efficiency.
- **Cost:** Initial development and hardware setup might be costly, making it difficult for small-scale farmers to adopt without subsidies or external funding.

Resources Required

Tools and Technology: Depending on the field, interns may require access to software, equipment, or platforms to perform their tasks effectively (e.g., coding software for tech interns, marketing tools for those in digital marketing).

- Solid works
- UGNX
- Hyper mesh
- Creo

Prepared by IQAC



Approved by Principal

PRINCIPAL

A.D. Shinde College of Engineering
Bhadnagar Tal. Gadhinolaj, Dist. Kolhapur



Dinkarrao K. Shinde Smarak Trusts
DR. A. D. SHINDE COLLEGE OF ENGINEERING
 Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin: 416502
Academic Year 2023-24



Department of Mechanical Engineering
Final Year - Agricultural Based Projects

Group No	Name of Students	Title of Project	Name of Guide
ME2301	Dhobale Sachin Dilip	Design and development of Manual Seeder	Prof. K. S. JOSHI (9886420454)
	Mane Rohit Sudhakar		
	Ghatage Prathamesh A		
	Kumbhar Sarita Bhairu		
	Kamble Prabhakar B		
ME2302	Nalang Ajit Ashok	Agriculture Wireless Sprayer Robot	Prof. G. M. KUMBAR (9535754411)
	Nilpankar Shubham S		
	Patil Pankaj Maruti		
	Patil Ketan Vishal		
	Sokasane Uday Balavant		
ME2303	Mane Abhishek Amarsinh	Agricultural Drone	Prof. K. S. JOSHI (9886420454)
	Patil Prabodhan B		
	Gawade Prathamesh Soma		
	Kandurkar Ruturaj S		
	Shinde Pratik Mahadev		
ME2305	Patil Janba Govind	Solar Powered Automatic Irrigation System	Prof. G. M. KUMBAR (9535754411)
	Patil Shridhar A		
	Shivane Vinayak Sanjay		
	Inamdar Prasad Ganpat		
	Raut Vaibhav Anandrao		
ME2307	Zure Sourabh Vi	Automatic Plant Irrigation System (APIS) For Rice Plantation	Prof. DR. S. A. MEHTA (8073575671)
	Borgave Tushar Suhas		
	Patil Vishwajeet D		
	Thakar Sushant Sambhaji		
	Yadav Shubham Sambhaji		
ME2311	Hattarki Shashank B	Design and Fabrication of Solar Powered Combi Sprayer	Prof. DR. S. A. MEHTA (8073575671)
	Goni Pruthviraj Vijay		
	Shipurkar Tushar Vasant		
	Shinde Sunil Suresh		
	Sankpal Shubham S		
ME2314	Tarali Sumit Somnath	Effective Automatic Aquaponics Farming	Prof. K. S. JOSHI (9886420454)
	Parit Mayur Satish		
	Sonar Anant Shrikant		
	Tade Samarth Babaraje		
	Kumbhar Prathamesh S		
ME2318	Attar Alfaj Shoukat	IOT Based Automated Green House Monitoring and Control System Using Solar Energy	Prof. Dr. D. V. Ghewade (9049504851)
	More Ashutosh Arjun		
	Padawale Gajanan D		
	Koli Nilesh Maruti		
	Mulla Shahid Shoukat		



HOD Sign



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Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin: 416502
Academic Year 2023-24



Department of Civil Engineering
Final Year
Agricultural Based Projects

Group No	Name of Students	Title of Project	Name of Guide
CE04	Miss. Kalyani Bhoi	Soil Stabilization by Using Lime and Flyash	Prof. R. V. Savyanavar (8767845728)
	Miss. Prajakta Desai		
	Miss. Arati Kamble		
	Miss. Madhumati Patil		

HO D Sign



Dinkarrao K. Shinde Smarak Trusts
DR. A. D. SHINDE COLLEGE OF ENGINEERING
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Department of Civil Engineering
Academic Year 2023-24



CERTIFICATE

This is to certify that Project titled "Soil Stabilization By Using Lime And Fly Ash" is a bonafide work of

Miss. Kalyani Bhoi (PRN: 2021071918)

Miss. Prajakta Desai (PRN: 2021071897)

Miss. Aarati Kamble (PRN: 2021071859)


Miss. Madhumati Patil (PRN: 2021071881)

This project report fulfills the academic requirements prescribed for the award of Bachelor of Technology degree in Civil Engineering during the academic year 2023-24.


Prof. R. S. Savanavar
Guide


Prof. A. S. Madakari
Head of Department


Dr. Dinkar V. Ghewade
Principal


Name of Examiners
20/04/2024



Dinkarrao K. ShindeSmarak Trusts
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Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502
Department of Mechanical Engineering
Academic Year 2023-24



CERTIFICATE

*This is to certify that Project titled "AGRICULTURE WIRELESS SPRAYER ROBOT"
is a bonafidework of*



Mr. Nalang Ajit Ashok	2021072281
Mr. Nilpankar Shubham sattappa	2021072230
Mr. Sokasane Uday Balavant	2021072068
Mr. Patil Pankaj Maruti	2021072441
Mr. Patil Ketan Vishal	2021072424

*This project report fulfils the academic requirements prescribed for the award of
Bachelor of Technology degree in Mechanical Engineering during the academic year
2023-24.*


Prof. G.M. Kumbar
Guide



Prof. G.M. Kumbar
Head of Department



Dr. Dinkar V. Ghewade
Principal

1. B. P. Joshi
Name of Examiners

2. G. A. Kumbar

Dept. of Mechanical Engg.
Dr. A. D. Shinde College of Engg.
Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur


A.D. Shinde College of Engineering
Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur
Signature with date


28/07/24



Dinkarrao K. Shinde Smarak Trusts

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Department of Mechanical Engineering

Academic Year 2023-24



CERTIFICATE

This is to certify that Project titled "IOT Based Automated Green House Monitoring And Control Using Solar Energy" is a bonafide work of

Mr. Alfaj Shoukat Attak (PRN: 2021072703)

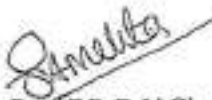
Mr. Chaitanya Madhukar Mali (PRN: 2021072001)

Mr. Manish Ramesh Mane (PRN: 2021072480)

Mr. Rutik Vishnu Kalkhambar (PRN: 2021072321)

Mr. Bhaushan Sujit Jadhav (PRN: 2021072493)

This project report fulfills the academic requirements prescribed for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2023-24.



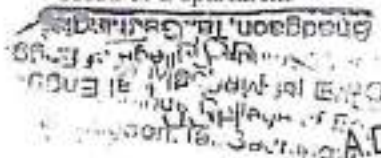
Prof. D.R.D.V. Ghewade
Guide



Prof. G.M. Kumbhar
Head of Department



Dr. Dinkar V. Ghewade
Principal



PRINCIPAL
A.D. Shinde College of Engineering
Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur.

Name of Examiners

1) Dr. S. A. Menla -

2) Mr. S. S. Patel -

Signature with date






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**DR.A. D. SHINDE COLLEGE OF
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Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin:416502

**Department of Mechanical Engineering
Academic Year 2023-24**



CERTIFICATE

This is to certify that Project titled "Automatic Plant Irrigation System (APSI) For Rice Plantation" is a bonafide work of

Mr. Tushar Suhas Borgave (PRN: 2021072486).


Mr. Vishwajweet Dattatray Patil (PRN: 2021072661).

Mr. Sujit Subhash Patil (PRN: 2021072290).

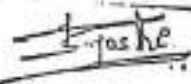
Mr. Sushant Sambhaji Thakar (PRN: 2021072240).

Mr. Sourabh Vishwambhar Zure (PRN: 2021072270).


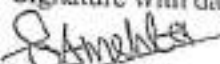
This project report fulfills the academic requirements prescribed for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2023-24.


Prof. Dr. S. A. Mehta
Guide


Prof. G. M. Kumbhar
Head of Department


Vice Principal
Dr. D. Shinde
Department of Engineering
Bhadgaon, Gadhinglaj, Dist. Kolhapur

1. R. R. Joshi
Name of Examiners
2. Dr. S. A. Mehta


Signature with date


Dept. Mechanical Engineering, DADSCOE, Bhadgaon





Dinkarrao K. Shinde Smarak Trust's

DR. A.D. SHINDE**COLLEGE OF ENGINEERING,**

A/P Guddai, Bhadgaon, Tal: - Gadhinglaj, Dist.: -Kolhapur

SHIVAJI UNIVERSITY, KOLHAPUR**CERTIFICATE**

This is to certify that the Project work entitled.

"Agricultural Drone"

Is a bonafide work carried out by

Sr. No	Name	PRN NO.
1	PRABODHAN BABASHABE PATIL	2021072246
2	PRATIK MAHADEV SHINDE	2021072595
3	ABHISHEK AMARSINH MANE	2021072799
4	RUTURAJ SANJAY KANDURKAR	2021072495
5	PRATHAMESH SOMA GAWADE	2021072698

In partial fulfillment for the award of Bachelor of Technology in Department of Mechanical Engineering of the Shivaji University, Kolhapur during the year "2023 to 2024" it is certified that they have completed the project satisfactorily.

PROF. KISHOR S. JOSHI

Dept. of Mechanical Engg.
 PROF. G. R. KIMBHAR
 Bhadgaon

PRINCIPAL
 PROF. DR. DINKAR K. SHINDE
 A.D. Shinde College of Engineering
 Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur
 Signature with Date

Name of Examiners

1) Dr. S. A. Mehta
 2) Mr. S. S. Patel





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DR.A. D. SHINDE COLLEGE OF ENGINEERING.
Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin:416502
Department of Electrical Engineering
Academic Year 2023-24



CERTIFICATE

This is to certify that Project titled "SOLAR POWERED AUTOMATIC IRRIGATION SYSTEM"

is a bonafide work of

MR. JANBA PATIL	2021072335
MR. SHRIDHAR PATIL	2021072562
MR. VINAYAK SHIVANE	2021072332
MR. PRASAD INAMDAR	2021072473

project report fulfills the academic requirements prescribed for the award of Bachelor of Technology degree in Electrical Engineering during the academic year 2023-24.

Prof. G.M. Kumbhar
Guide

Prof. G.M. Kumbhar

Dr. A.D. Shinde
Head of Department
Bhadgaon, Gadhinglaj, Dist. Kolhapur

Dr. Dinkarrao K. Shinde
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Name of Examiners

Signature with date

1) Dr. S. A. Mehta
2) Mr. S. S. Patel



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Department of Mechanical Engineering
Academic Year 2023-24




CERTIFICATE


This is to certify that Project titled "Effective Automatic Aquaponics Farming" is a bonafide work of

Mr. Prathamesh Shivaji Kumbhar (PRN: 2021072798).
Mr. Sainath Bharat Patil (PRN: 2021072476).
Mr. Rohan Ravindra Raval (PRN: 2021072266).
Mr. Rajesh Ramesh Savant (PRN: 2021072276).
Mr. Amar Suresh Langote (PRN: 2021073532).

This project report fulfills the academic requirements prescribed for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2023-24.


Prof. K. S. Joshi
Vice Principal
Dept. of Mechanical Engineering
Bhadgaon, Gadlinglaj, Dist. Kolhapur


Prof. G. M. Kumbhar
Head of Department
Dept. of Mechanical Engg.
Dr. A. D. Shinde College of Engg.
Bhadgaon, Tal. Gadlinglaj, Dist. Kolhapur


Dr. D. V. Ghewadipal
Dr. A. D. Principal
Dept. of Engineering
Bhadgaon, Tal. Gadlinglaj, Dist. Kolhapur

Name of Examiners
1) Dr. S. A. Melta
2) Mr. S. S. Patel

Dept. Mechanical Engineering, DADSCOE, Bhadgaon

Signature with date



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Department of Mechanical Engineering

Academic Year 2023-24



CERTIFICATE

This is to certify that Project titled "Manual Seeder" is a bonafide work of

Mr. Rohit Mane (PRN: 2021072672)

Miss. Sarita Kumbhar (PRN: 2021072005)


Mr. Sachin Dhobale (PRN: 2021072336)

Mr. Prabhakar Kambale (PRN: 2021072397)

Mr. Prathmesh Ghadge (PRN: 2021072426)

This project report fulfills the academic requirements prescribed for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2023-24.


Prof. K. S. Joshi
Vice Principal
Dr. A. D. Shinde College of Engineering
Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur


Prof. G. M. Kumbhar
Head of Department
HOD
Dept. of Mechanical Engg.
Dr. A. D. Shinde College of Engg.
Bhadgaon, Tal. Gadhinglaj


Dr. Dinkar V. Chavade
Vice Principal
Dr. A. D. Shinde College of Engineering
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Name of Examiners

- 1) Dr. S. A. Mehta
- 2) Mr. S. S. Patel

Signature with date








CERTIFICATE

This is to certify that Project titled "Design and fabrication of solar powered combi sprayer" is a bonafide work of

Mr. Tushar Shipurkar (PRN: 2021072470)
Mr. Suraj D. Sutar (PRN: 2021072727)
Mr. Pruthviraj Goni (PRN: 2021072000)
Mr. Sunil S. Shinde (PRN: 2021072325)
Mr. Shashank Hattarki (PRN: 2020075666)

This project report fulfills the academic requirements prescribed for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2023-24.


Prof. S.A. Mehta
Guide


Prof. G.M. Kumbhar
Head of Department


Dr. D.V. Ghewade
Principal PRINCIPAL
A.D. Shinde College of Engineering
Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur

Name of Examiners

D. R.R. Joshi
S.A. Mehta



HOD
Dept. of Mechanical Engg.
Dr. A.D. Shinde College of Engineering
Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur

Signature with date



