



Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus

S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist.: Pune – 411041

Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in

Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.

DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



Prof.(Dr.)T. J.Sawant
D.E.E., B.E.(Electrical),Ph.D., MISTE
Founder - Secretary

Prof.(Dr.)M.M.Sardeshmukh
B.Tech (E&TC) M.Tech (E&TC),Ph.D.(Engg.)
DIRECTOR

3.1.1: Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

HEI Input:

2022-23	2021-22	2020-21	2019-20	2018-2019
0	1.04	3.06	13.95	12.25

Supporting Documents as per SOP:

Grants received from Government and non-governmental agencies



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Grants received from Government and non-governmental agencies

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2	Manufacturing of Bricks Using Fly Ash and Rice Husk	Dr. S. B. Khaple HOD Civil Dept., Rushikesh kale, Mehul Ahirrao, Sourabh mohite, Pramod baviskar	2021	52000	Nikhil Construction	15
3	Air Pollutant Characteristics and Control	PI: Prof. M. D. Anap Co I: Mr. Waghela Hitesh Mr. Chotaliya Jaydeep Mr. Brijesh Kumar Pandit Mr. Amane Sanjaykumar	2020	52354	Nikhil Constructions	19



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4	Experimental Analysis of Grey Water Treatment Using Nano metal Oxides	PI: Prof. S. S. Bansode Co I: Mr. Prashant Jagade, Mr. Bankar Sagar, Mr. Kunal Pasalkar Mr. Akshay Karanjkar	2020	50000	Nikhil Construction	29
5	IOT Based Power Measurement Project	PI: Dr. M. M. Sardeshmukh Co PI: Dr. Sajid Shaikh	2020	75000	Shradha Engineers, Shivaji Nagar Pune	34
6	Heat Transfer Equipment Manufacturing for Experimental Lab	PI: Prof. O. M. Kshirsagar	2020	40000	Pathak Techno Solutions, Dhyari Pune	36
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8	Development of Solar Drying System for Agriculture Application	PI: Prof. S. P. Kadu	2020	50000	Pathak Techno Solutions, Dhyari Pune	36
9	Investigation of Ground Water Vein Using Light Interference Technique in Pune City	Dr. S. B. Khaple	2019	1,00,000.00	Nikhil Construction	37
10	Investigation of Ground Water Vein Using Light Interference Technique in Pune City	Mr. V. V. Muthekar	2019	1,25,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
11	Experimental Analysis of Grey Water Treatment Using Nano metal Oxides	Mr. S. S. Bansode	2019	1,00,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42



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12	Design predictive system in wireless sensor network for prevention, protection & preservation from natural disaster	Mr. V. S. Gaikwad	2019	1,50,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
13	IOT Based Power Measurement and Monitoring System	Dr Sajid Shaikh	2019	1,50,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
14	Apparatus Development of Laser Metal Deposition Machine for Product Manufacturing	Mr. S. M. Patil	2019	75,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
15	Heat Transfer Equipment Manufacturing for Experimental Lab	Mrs. M. S. Deokar	2019	80,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
16	Experimental Investigation and Production of Algal Oil Synthesis Biofuel as per BSVI Norms	Ms. A. D. Halve	2019	1,25,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
17	Experimental Investigation of Nano Particle with Biodiesel to reduce Emissions	Mr. P. U. Gaikwad	2019	1,20,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor,	42



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					katraj, Pune, 411046)	
18	Development of Desiccant Dehumidification System for Agriculture Application	Mr. K. S. Rambhad	2019	2,85,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
19	Online Movie Ticket Booking system	Mrs. Ashwini Tekale	2019	85,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, 20katraj, Pune, 411046)	42
20	Use of coir fibre in concrete mix.	Dr. S. D. Kore	2018	45000	Nikhil Construction	47
21	Utilization of Bagasse ash and Sugarcane Bagasse in Concrete.	Prof. V. Nalawade	2018	55000	Nikhil Construction	52
22	Use of coir fibre in concrete mix.	Dr. S. D. Kore	2018	1,00,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
23	Utilization of Bagasse ash and Sugarcane Bagasse in Concrete.	Mr. S. S. Deshpande	2018	1,00,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
24	Image based Gesture Recognition using Image Processing Techniques	Ms. J. S. Kharat	2018	1,25,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd	57



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					floor, katraj, Pune, 411046)	
25	Development of a Precision IoT and ML based Crop Monitoring System	Dr. M. M. Sardeshmukh	2018	1,25,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
26	Advance Manufacturing Process for 3-D Printing and its Application	Mr. R. M. Deshmukh	2018	1,20,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
27	Micro Cutting Tools Fabrication for the Mechanical Micro-Maching	Mr. M. U. Gaikwad	2018	1,30,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
28	Abrasive Water Jet Machining of CompositeMaterials- Manufacturing	Mr. S. S. KALE	2018	1,30,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
29	Development of Solar Drying System for Agriculture Application	Mr. S. P. Kadu	2018	2,95,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57



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30	Online Magazine Management System	Mrs. Deepika Sarwate	2018	55,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
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NIKHIL CONSTRUCTION

Specialist in Civil & Concrete Work,
Manufacturing & Supplying of Crushed Sand, Metal and B.M.C.

HEAD OFFICE:
917 Ashok Society, Durga Nagar,
Senapati Bapat Road, Pune - 411 016
Mobile: 9822015471, 9850971012, 9850883744
• E-mail: nikhilconstruction@yahoo.com

CORPORATE OFFICE:
"SAHITHY" 72103, Shree Swayambiddha Hsg. Soc.,
Opp. Shinde Hospital, B.S. Road, New Palm, Pune - 411 001
Phone: + 91 20 24536007, Mobile: + 91 8888 809 957
• Website: www.nikhilgroup.in

Reference No. 2022/108

Date: 25/02/2022

To,
Dr. S. B. Khaple
HOD Civil Dept.,
Department of civil engineering
JSPM Narhe Technical Campus, Narhe. Pune

Subject: Acceptance of research proposal for, "Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture"

Dear Dr. S. B. Khaple

I am writing on behalf of Nikhil Construction to let you know that we have accepted "Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time. You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 9834147757. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continued cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Yours Truly,

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





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• E-mail : nikhil.construction@yahoo.com

CORPORATE OFFICE :

'SARTHAK', 72/73 - Shree Swayamsiddha Hsg. Soc.,
Opp: Bhide Hospital, L.S.S. Road, Navi Path, Pune - 39.
Phone : + 91 20 24530007, Mobile : + 91 9888 999 987
• Website : www.nikhilgroup.in

Ref. No.:308

Date:15/03/2022

To,
The Director
JSPM's Narhe Technical
Campus, Narhe Pune-411041

Sub: Budget Expenditure for Project entitled as "**Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture**".

Dear Sir,

As per the budget of Rs.52, 000/-sanctioned for your proposal for Project entitled as "**Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture**". The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipments	NIL
2	Books & Journals	4000
3	Chemicals & Consumables	15000
4	Hiring Services	25000
5	Field Wok & Travel	5000
6	Contingency	3000
TOTAL		52000

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Director
Nikhil Construction, Pune





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Mobile: 9822035471, 9850971012, 9850853744
• E-mail: nikhilconstruction@yahoo.com

CORPORATE OFFICE:

SARJAN, 7210, Shree Swayamiddha Hsg Soc.,
Opp. Bhoje Hospital, B.S. Road, Navi Pali, Pune-20,
Phone: + 91 20 24536007, Mobile: + 91 8888 603 567
• Website: www.nikhilgroup.in

Ref. No.:2021-22/185

Date: 26/04/2022

To
The Director,
JSPM's Narhe Technical Campus,
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, **“Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture”**.

Dear Sir,

As per the budget of Rs. 52,000/- mentioned in your proposal for Project entitled as **“Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture”**. We are glad to inform you that budget of Rs. 52,000/- **(in words Fifty Two Thousand Only)** for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





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• Website: www.nikhilgroup.in

CERTIFICATE OF COMPLETION

Date:-28/05/2022

Ref. No.: JSPM/NTC/ CIVIL/21-22/185

This is to certify that **Dr.S.B.Khapse** has successfully completed Research project work titled, “**Strength and Durability Characteristics of Concrete by Using Nanosilica-Nanovanadium Mixture**” He has conducted project work during 14/07/2021 to 28/05/2022 at Nikhil Construction, Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





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DEPARTMENT OF CIVIL ENGINEERING

Ref.:JSPM/NTC/2020-2021/CIVIL/45

Date:14th July, 2021

To,
The Technical Director
Nikhil Construction,
Pune

Subject:Seeking Permission for Sponsoring Research Work.

Respected sir,

With reference to the above subject, our faculty **Dr.S.B.Khaple**, seeking permission for carrying out research project entitled “**Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture**”. Research proposal and derailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

Dr.S.B.Khaple
HOD.civil Dept
Department of Civil Engineering,
JSPM Narhe Technical Campus, Pune.

Dr. S. B. Khaple
R & D Coordinator,
Department of Civil
Engineering

Dr. S. B. Khaple
Head,
Department of Civil
Department





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DEPARTMENT OF CIVIL ENGINEERING

Ref. No. JSPM/NTC/ CIVIL/ 2021-22/ 107

Date 20/05/2022

To,
The Technical Director
Nikhil Construction,
Pune

Subject: Submission of Project Closure Report for project Titled, “Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture”

Respected Sir/Madam,

This is to inform you that the project Titled “**Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture**” has been completed on 28/05/2022. I would like to thank the Staff & Research Society, Institutional Ethics Committee and Dean for permitting me to conduct the study. I shall submit the detailed Report within 2 week.

Thanking you.

With Best Regards,

Dr.S,B.Khaple.

Assistant Professor

Department of Civil Engineering,

Dr. S. B. Khaple
R & D Coordinator,
Department of Civil
Engineering

Dr. S. B. Khaple
Head,
Department of Civil
Department





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Opp. Shide Hospital, B.S. Road, New Path, Pune - 411 001
Phone: + 91 20 24536007, Mobile: + 91 8888 809 957
• Website: www.nikhilgroup.in

Reference No. 2021/108

Date: 12/07/2021

To,
Dr. S. B. Khaple
HOD Civil Dept.,
Rushikesh kale,
Mehul Ahirrao,
Sourab hmohite,
Pramod baviskar
Department of civil engineering
JSPM Narhe Technical Campus, Narhe. Pune

Subject: Acceptance of research proposal for, "Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture"

Dear Dr. S. B. Khaple and his team,

I am writing on behalf of Nikhil Construction to let you know that we have accepted, "Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time. You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 9834147757. We look forward to hearing back from you and will return any messages as quickly as possible.

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Yours Truly,

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• Website : www.nikhilgroup.in

Ref. No.:309

Date:22/03/2022

To,
The Director
JSPM's Narhe Technical Campus, Narhe
Pune-411041

Sub: Budget Expenditure for Project entitled as **“Manufacturing of Bricks Using Fly Ash and Rice Husk”**.

Dear Sir,

As per the budget of Rs.52, 000/-sanctioned for your proposal for Project entitled as **“Manufacturing of Bricks Using Fly Ash and Rice Husk”**.The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipments	NIL
2	Books & Journals	4000
3	Chemicals & Consumables	15000
4	Hiring Services	25000
5	Field Wok & Travel	5000
6	Contingency	3000
TOTAL		52000

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Director
Nikhil Construction, Pune





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Phone: + 91 20 24536007, Mobile: + 91 8888 603 567
• Website: www.nikhilgroup.in

Ref. No.:2021-22/185

Date: 28/04/2022

To
The Director,
JSPM's Narhe Technical Campus,
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, "**Manufacturing of Bricks Using Fly Ash and Rice Husk**".

Dear Sir,

As per the budget of Rs. 52,000/- mentioned in your proposal for Project entitled as "**Manufacturing of Bricks Using Fly Ash and Rice Husk**". We are glad to inform you that budget of Rs. 52,000/- (**in words Fifty Two Thousand Only**) for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Manager
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CERTIFICATE OF COMPLETION

Date:-28/05/2022

Ref. No.: JSPM/NTC/ CIVIL/21-22/185

This is to certify that **Prof.A.S.Jadhav** has successfully completed Research project work titled, "**Manufacturing of Bricks Using Fly Ash and Rice Husk**" He has conducted project work during 24/07/2021 to 26/05/2022 at Nikhil Construction, Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



DEPARTMENT OF CIVIL ENGINEERING

Ref.:JSPM/NTC/2021-2022/CIVIL/47

Date:24th July, 2021

To,
The Technical Director
Nikhil Construction,
Pune

Subject: Seeking Permission for Sponsoring Research Work.

Respected sir,

With reference to the above subject, our faculty **Prof.A.S.Jadhav** , seeking permission for carrying out research project entitled “**Manufacturing of Bricks Using Fly Ash and Rice Husk**”. Research proposal and derailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

Dr.S.B.Khaple
HOD.civil Dept
Department of Civil Engineering,
JSPM Narhe Technical Campus, Pune.

Dr. S. B. Khaple
R & D Coordinator,
Department of Civil Engineering

Dr. S. B. Khaple
Head,
Department of Civil
Department





Jayawant Shikshan Prasarak Mandal's
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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



DEPARTMENT OF CIVIL ENGINEERING

Ref.:JSPM/NTC/2020-2021/CIVIL/45

Date: 9th July, 2020

To,
The Technical Director
Nikhil Construction,
Pune

Subject: Seeking Permission for Sponsoring Research Work.

Respected sir,

With reference to the above subject, our faculty **Prof. M. D. Anap**, seeking permission for carrying out research project entitled, “**Air Pollutant Characteristics and Control**”.

Research proposal and derailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

Prof. M. D. Anap
Assistant Professor
Department of Civil Engineering,
JSPM Narhe Technical Campus, Pune.

Dr. S. B. Khaple
R & D Coordinator,
Department of Civil Engineering

Dr. S. A. Chaudhari
Head,
Department of Civil Department



Research Project Proposal

Project Title: Air Pollutant Characteristics and Control

Submitted to:

Mr. Gajanan Late
Technical Manager
Nikhil Construction

By: **Prof. M. D. Anap, (Assitant Professor)**
Waghela Hitesh,
Chotaliya Jaydeep,
Brijesh Kumar Pandit,
Amane Sanjaykumar
Department of Civil Engineering
JSPM NTC, Narhe, Pune

Research Project Status Report

1. Broad subject area: **Environmental Engineering**

2. Specialization: **Air Pollution and Control**

3. Title of the proposed project: **“Air Pollutant Characteristics and Control”**

4. Name and address of the Principal Investigator:

Prof. M. D. Anap, Assistant Professor, Department of Civil Engineering

JSPM, Narhe Technical Campus,

S. No. 12/2/2 and 14/9 Narhe, Tal : Haveli, Dist.: Pune - 411041.

Phone: 020- 24608700 (Office), 07249830830 (Mobile)

E-mail: mahesh.anap1988@gmail.com

5. Reporting Period: July 2020 to May 2021

6. Project Description:

Air pollution occurs when gases, dust particles, fumes (or smoke) or odour are introduced into the atmosphere in a way that makes it harmful to humans, animals and plant. Air pollution threatens the health of humans and other living beings in our planet. It creates smog and acid rain, causes cancer and respiratory diseases, reduces the ozone layer atmosphere and contributes to global warming. Along with the rapid development of modern industry and the impact of human life, the air quality of big cities is getting worse and worse currently. Urbanization increased population density in cities and consequently leads to severe indoor air pollution. As a result of these trends, the issue of sustainable and healthy indoor environment has received increasing attention. Inhaled particulate matter (PM_{2.5}) in the body can cause diseases such as asthma, bronchitis, and endanger people's health. Air filtration is one of the most effective ways to diminish this problem, in which the air filter materials are focused. Various air filtration techniques have been adopted to optimize indoor air quality. Air filtration technique can remove air pollutants and effectively alleviate the deterioration of indoor air quality. The aim has been to bring down the costs without compromising on efficiency as efficient air purification is an expensive deal, which

will make the air purifier economical and will allow the user to use it decisively. An attempt has made to design a Air Purifier, which is better than current available purifiers, using electret methods of fibres. Along with designing the cost of the purification unit and results using CFD are also been discussed.

Keywords: Air Pollution, Indoor Air Quality, Electret, Filters, CFD

1.2 Problem statement

To reduce air pollution by targeting major air pollutants like PM2.5, PM10, Ozone etc. using electret properties of fibers.

1.3 Objectives

- 1 To study different types of air pollutant and its sources along with its impact on environment and humans.
- 2 To study/compare technologies and use best suitable technology for the filter.
- 3 To design a virtual model.
- 4 To obtain the results computationally.

1.4 Limitations of study

1. Experimentation on the actual model using different technologies would be costly so we are totally relying on software.
- 2 Testing the model in lab and on the field may give different results, so analysing the actual efficiency is difficult.

1.5 Expected outcomes

- 1 The following technology will make the air purifier more efficient.
- 2 Unlike other purifier it will have a high efficiency of capturing PM2.5
- 3 This purification unit can be installed by replacing any window which will result in improving surrounding air quality.

1.6 Future scope

- 1 Physical working model can be prepared based on this technology.
- 2 In highly polluted areas, this unit can be installed instead of current filters to get better results.
- 3 Expensive different nano-fibers can be used to get even higher efficiency

Time Schedule:

Sr. No.	Activity	Duration
1	Procurement and Installation of infrastructure facilities Knowledge acquisition for development of the proposed system	3month
2	Design of the proposed system	4month
3	Testing and verification of the system	3month

Details of financial requirements

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipment	NIL
2	Books & Journals	4000
3	Chemicals & Consumables	15000
4	Hiring Services	25000
5	Field Wok & Travel	5000
6	Contingency	3000
TOTAL		52000



Prof. M. D. Anap

Assistant Professor

Department of Civil Engineering,

JSPM Narhe Technical Campus, Pune.



Dr. S. B. Khaple

R & D Coordinator,

Department of Civil Engineering



Dr. S. A. Chaudhari

Head,

Department of Civil Department



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• E-mail : nikhil.construction@yahoo.com

CORPORATE OFFICE :

"SARTHAK", 721/3 - Shree Swayamsiddha Hsg. Soc.,
Opp. Bhido Hospital, L. B. S. Road, Navi Peth, Pune - 30
Phone : + 91 20 24530007 Mobile : + 91 8888 809 967
• Website : www.nikhilgroup.in

Ref. No.: 2020-21 / 185

Date: 20/07/2020

To
The Director,
JSPM's Narhe Technical Campus,
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, "**Air Pollutant Characteristics and Control**".

Dear Sir,

As per the budget of Rs. 52,000/- mentioned in your proposal for Project entitled as, "**Air Pollutant Characteristics and Control**". We are glad to inform you that budget of Rs. 52,000/- (**in words Fifty Two Thousand Only**) for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





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Opp. Bhido Hospital, L.B.S. Road, Navi Peth, Pune - 30
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967
• Website : www.nikhilgroup.in

Reference No. 2020/108

Date: 12/07/2020

To,
Prof. M. D. Anap
Assistant Professor
Department of civil engineering
JSPM Narhe Technical Campus, Narhe. Pune

Subject: Acceptance of research proposal for, "Air Pollutant Characteristics and Control".

Dear Prof. M. D. Anap,

I am writing on behalf of Nikhil Construction to let you know that we have accepted, "Air Pollutant Characteristics and Control", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time.

You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 9834147757. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continued cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Yours Truly,

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





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Opp. Bhido Hospital, L.B.S. Road, Navi Peth, Pune - 30
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967
• Website : www.nikhilgroup.in

CERTIFICATE OF COMPLETION

Date:- 25/09/2021

Ref. No.: JSPM/NTC/ CIVIL/20-21/185

This is to certify that **Prof. M. D. Anap** has successfully completed Research project work titled, “**Air Pollutant Characteristics and Control**”. He has conducted project work during 12/07/2020 to 25/09/2021 at Nikhil Construction, Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





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Opp. Bhide Hospital, L.B.S. Road, Navi Peth, Pune - 30.
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967
• Website : www.nikhilgroup.in

Ref. No.: 308

Date: 25/04/2021

To,
The Director
JSPM's Narhe Technical Campus, Narhe
Pune-411041

Sub: Budget Expenditure for Project entitled as, **"Air Pollutant Characteristics and Control"**.

Dear Sir,

As per the budget of Rs.52, 000/- sanctioned for your proposal for Project entitled as , **"Air Pollutant Characteristics and Control"**. The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipments	NIL
2	Books & Journals	4000
3	Chemicals & Consumables	15000
4	Hiring Services	25000
5	Field Wok & Travel	5000
6	Contingency	3000
TOTAL		52000

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Director
Nikhil Construction, Pune





Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus

S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist.: Pune – 411041

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



DEPARTMENT OF CIVIL ENGINEERING

Ref. No. JSPM/NTC/ CIVIL/ 2019-20/ 107

Date 25/09/2021

To,
The Technical Director
Nikhil Construction,
Pune

Subject: Submission of Project Closure Report for project Titled, “Air Pollutant Characteristics and Control”.

Respected Sir/Madam,

This is to inform you that the project Titled, “**Air Pollutant Characteristics and Control**”, has been completed on 25/09/2021.

I would like to thank the Staff & Research Society, Institutional Ethics Committee and Dean for permitting me to conduct the study. I shall submit the detailed Report within 2 week.

Thanking you.

With Best Regards,

Prof. M. D. Anap.
Assistant Professor
Department of Civil Engineering,

Dr. S. B. Khaple
R & D Coordinator,
Department of Civil Engineering

Dr. S. A. Chaudhari
Head,
Department of Civil Department



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Opp. Bhido Hospital, L. B. S. Road, Navi Peth, Pune - 30
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967
• Website : www.nikhilgroup.in

Reference No. 2020/197

Date: 11/07/2020

To,
Prof. S. S. Bansode
Assistant Professor
Department of civil engineering
JSPM Narhe Technical Campus, Narhe. Pune

Subject: Acceptance of research proposal for, "Experimental Analysis of Grey Water Treatment Using Nano metal Oxides".

Dear Prof. S. S. Bansode,

I am writing on behalf of Nikhil Construction to let you know that we have accepted, "Experimental Analysis of Grey Water Treatment Using Nano metal Oxides", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time.

You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 9834147757. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continue cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Yours Truly,

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





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Phone : + 91 20 24530007, Mobile : + 91 8888 809 967
• Website : www.nikhilgroup.in

Ref. No.:2020/708

Date: 25/04/2021

To,
The Director
JSPM's Narhe Technical Campus, Narhe
Pune-411041

Sub: Budget Expenditure for Project entitled as, **“Experimental Analysis of Grey Water Treatment Using Nano metal Oxides”**.

Dear Sir,

As per the budget of Rs. 48,000/- sanctioned for your proposal for Project entitled as, **“Experimental Analysis of Grey Water Treatment Using Nano metal Oxides”**. The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in
1	Equipment	NIL
2	Books & Journals	3250
3	Chemicals & Consumables	24900
4	Hiring Services	10900
5	Field Work & Travel	5680
6	Contingency	3270
TOTAL		48000/-

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Director
Nikhil Construction, Pune





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Opp. Bhido Hospital, L. B. S. Road, Navi Peth, Pune - 30
Phone : + 91 20 24530007 Mobile : + 91 8888 809 907
• Website : www.nikhilgroup.in

Ref. No.: 2020/450

Date: 20/07/2020

To
The Director,
JSPM's Narhe Technical Campus,
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, **“Experimental Analysis of Grey Water Treatment Using Nano metal Oxides”**.

Dear Sir,

As per the budget of Rs. 48,000/- mentioned in your proposal for Project entitled as, **“Experimental Analysis of Grey Water Treatment Using Nano metal Oxides”**. We are glad to inform you that budget of Rs. 48,000/- (**in words Forty Eight Thousand Only**) for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





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• Website : www.nikhilgroup.in

CERTIFICATE OF COMPLETION

Date:- 27/04/2021

Ref. No.: JSPM/NTC/ CIVIL/20-21/79

This is to certify that **Prof. S. S. Bansode** has successfully completed Research project work titled, **“Experimental Analysis of Grey Water Treatment Using Nano metal Oxides”**. He has conducted project work during 11/07/2020 to 27/04/2021 at Nikhil Constructiton. Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



DEPARTMENT OF CIVIL ENGINEERING

Ref.:JSPM/NTC/2020-2021/CIVIL/049

Date: 4th July, 2020

To,
The Technical Director
Nikhil Construction,
Pune

Subject: Seeking Permission for Sponsoring Research Work.

Respected sir,

With reference to the above subject, our faculty **Prof. S. S. Bansode**, seeking permission for carrying out research project entitled, “**Experimental Analysis of Grey Water Treatment Using Nano Metal Oxides**”.

Research proposal and detailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

Prof. S. S. Bansode.

Assistant Professor
Department of Civil Engineering,
JSPM Narhe Technical Campus, Pune.

Dr. S. B. Khaple
R & D Coordinator,
Department of Civil Engineering

Dr. S. A. Chaudhari
Head,
Department of Civil Department





Date:- 23.10.2020

To,
The Principal
JSPM's Narhe Technical Campus,
Narhe, Pune

Subject: Sanction of research grant.

This is with reference to your research grant sanction letter dated 09.10.2020, we are happy to convey you that your research proposal on **IoT based engineering projects** for amount of **Rs. 75000/-** is sanctioned by the board of directors for the year 2020-21.

Sanction of the grant is subject to Terms & Conditions mentioned as per company policy.

In addition, the investigators must submit Annual Progress Report of each of the project, at the end of the year mentioning the progress of the work. Also investigators will have to submit Fund Utilization Certificate and Audited Accounts separately.

With best regards,

Sincerely,



Shradha Engineers, Pune



Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus

S. No. 12/2/2 and 14/9, Narhe Tal. Haveli, Dist. Pune - 411041

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



Prof.(Dr.)T. J.Sawant
D.E.E., B.E.(Electrical), Ph.D., MISTE
Founder - Secretary

Prof.(Dr.) R.K.Lad
B.E.(Civil), M.E (Env Engg.) Ph.D (Engg.)
DIRECTOR

Ref.: JSPM/NTC/IRC/2020-2021

Date: 25/10/2020

To,

The Principal Investigators,

JSPM Narhe Technical campus

Pune-411041

Subject: Distribution of funds under corporate social responsibility for research project.

Dear Principal Investigators,

Internal research centre (IRC) has received your research proposal. We had received funds from different agencies for this work. Institute is glad to inform you that your proposal is considered by the IRC for further research work.

The distribution of the amount is as follows:

Sr.no.	Project title	Principal Investigators	Amounts(Rs.)
1	IOT Based Power Measurement project	Dr. M.M. Sardeshmukh, DR. Sajid Shaikh	75,000.00




Dr. R. K. Lad
Director

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Date:- 18.12.2020

To,
The Principal
JSPM's Narhe Technical Campus, Narhe
Narhe, Pune.

Subject: Sanctioning of funds for Research Projects of the Institute.

Reference: Your request letter dated 05.10.2020.

With reference to your letter and subsequent submission of research proposal, we are glad to inform you that the research projects on thermal engineering have been accepted by the management for consideration of financial assistance.

You are instructed to comply with timelines mutually agreed upon for submission of final outcome of research project. The maximum amount sanctioned for these projects is **Rs. 1,55,000/-** for the duration of year 2020-21.

Further we assure you that the researcher will be permitted to avail all laboratory facilities of the organization as and when requested.

Warm regards and thanks ,

Yours,



Pathak Techno Solutions



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• Website : www.nikhilgroup.in

Ref. No.: 410

Date: 10/03/2020

To,
The Director
JSPM's Narhe Technical Campus, Narhe
Pune-411041

Sub: Budget Expenditure for Project entitled as, **"Investigation of Ground Water Vein Using Light Interference Technique in Pune City"**.

Dear Sir,

As per the budget of Rs.,100000/- sanctioned for your proposal for Project entitled as, **"Investigation of Ground Water Vein Using Light Interference Technique in Pune City"**. The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipments	NIL
2	Books & Journals	4500
3	Chemicals & Consumables	35000
4	Hiring Services	40000
5	Field Wok & Travel	16000
6	Contingency	4500
TOTAL		100000

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Director
Nikhil Construction, Pune





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Phone : + 91 20 24530007 Mobile : + 91 8888 809 967
• Website : www.nikhilgroup.in

Ref. No.: 2019-20 / 215

Date: 17/08/2019

To
The Director,
JSPM's Narhe Technical Campus,
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, "**Investigation of Ground Water Vein Using Light Interference Technique in Pune City**".

Dear Sir,

As per the budget of Rs. 1,00,000/- mentioned in your proposal for Project entitled as, "**Investigation of Ground Water Vein Using Light Interference Technique in Pune City**". We are glad to inform you that budget of Rs. 1,00,000/- (**In Words One Lakh Only**) for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





NIKHIL CONSTRUCTION

Specialist in Civil & Concrete Work,
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HEAD OFFICE :
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Mobile : 9822015471, 9850971012, 9850800744
• E-mail : nikhil.construction@yahoo.com

CORPORATE OFFICE :
"SARTHAK", 721/3 - Shree Swayamsiddha Hsg. Soc.,
Opp. Bhido Hospital, L.B.S. Road, Navi Peth, Pune - 30.
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967
• Website : www.nikhilgroup.in

CERTIFICATE OF COMPLETION

Date:- 12/02/2020

Ref. No.: JSPM/NTC/ CIVIL/19-20/126

This is to certify that **Dr. S. B. Khaple** has successfully completed Research project work titled, "**Investigation of Ground Water Vein Using Light Interference Technique in Pune City**". He conducted project work from 17/08/2019 to 12/02/2020 at Nikhil Construction, Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for the same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus

S. No. 12/2/2 and 14/9, Narhe, Tal: Haveli, Dist.: Pune - 411041

Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



DEPARTMENT OF CIVIL ENGINEERING

Ref.:JSPM/NTC/2019-2020/CIVIL/37

Date: 17th July, 2019

To,
The Technical Director
Nikhil Construction,
Pune

Subject: Seeking Permission for Sponsoring Research Work.

Respected sir,

With reference to the above subject, our faculty **Dr. S. B. Khaple**, seeking permission for carrying out research project entitled, "**Investigation of Ground Water Vein Using Light Interference Technique in Pune City**".

Research proposal and derailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

Dr. S. B. Khaple
Assistant Professor
Department of Civil Engineering,
JSPM Narhe Technical Campus, Pune.

Dr. S. B. Khaple
R & D Coordinator,
Department of Civil Engineering

Dr. S. A. Chaudhari
Head,
Department of Civil Department





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• Website : www.nikhilgroup.in

Reference No. 2019/108

Date: 17/08/2019

To,
Dr. S. B. Khaple
Assistant Professor,
Department of civil engineering
JSPM Narhe Technical Campus, Narhe. Pune

Subject: Acceptance of research proposal for, "Investigation of Ground Water Vein Using Light Interference Technique in Pune City".

Dear Dr. S. B. Khaple,

I am writing on behalf of Nikhil Construction to let you know that we have accepted, "Utilization of Bagasse ash and Sugarcane Bagasse in Concrete", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time.

You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 9834147757. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continued cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Thank you.

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





Bhairavnath Sugar Works Ltd.

Factory Address: S.NO.68,At Post: Sonari,Tal: Paranda,Dist:Osmanabad-413505

(Maharashtra).Phone:(02477) 234055 Email: bhairavnathsugar@gmail.com

GSTIN-27AADCB0529M1ZN, PAN NO.AADCB0529M CIN NO.:U15421PN2000PLC134301

Ref. No.: BSWL-PUNE/SONARI/2019-20

Date: 17/07/2019

To,
The Director,
JSPM Narhe Technical Campus,
Narhe, Pune-41

Subject: Releasing of funds for Educational Institute for research

Ref.: Your letter No.: JSPM/NTC/CSR/2019-20/661 /Dt. 29.06.2019

Sir,

With reference to the above mentioned subject, we would like to informed you that M/s. Bhairavnath Sugar Works Ltd. helps Teaching faculty Members. Under Graduate and Post Graduate students by providing funds for research under Corporate Social Responsibility (CSR). As, per the decision of management it has been decided that to allocate funds for fostering research. We are glad to inform you that the amount of Rs.10,70,000/- has been allocated for your institute.



Executive Director
Bhairavnath Sugar Works Ltd.



Jayawant Education Prasarak Mandal's
JSPM Narhe Technical Campus



S. No. 12/2/2 and 14/9, Narhe, Tal: Haveli, Dist: Pune-411041
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DTE Code: 6755 PUN Code: CEGP019070 AISHE Code: C-45874

Prof.(Dr.) T. J. Sawant
D.E.E., B.E.(Electrical), Ph.D., MISTE
Founder - Secretary

Prof.(Dr.) R.K.Lad
B.E.(Civil), M.E.(Env Engg.) Ph.D.(Engg.)
DIRECTOR

Ref: JSPM/NTC/CSR/2019-20/661

Date: 29/06/2019

To
The Managing Director
Bhairavnath Sugar Works Ltd
A/p.: Sonari, Tal: Paranda,
Dist: Osmanabad-413505

Subject: Requisition for sanctioning of research fund

Respected Sir,

An environmental friendly green campus; "JSPM Narhe Technical Campus" (JSPMNTC) was established in 2011. The Institute is approved by AICTE, New Delhi and is affiliated to Savitribai Phule Pune University (SPPU), Pune. This institute is accredited by National Assessment and Accreditation Council (NAAC).

The College being a technical campus offers UG programs (Bachelor of Engineering) in Civil, Computer, Electronics & Telecommunication and Mechanical Engineering. PG programs (Master of Engineering) are offered in Computer, Electronics & Telecommunication and Mechanical Engineering. It also offers PG programs in Master of Business Administration and Master in Computer Applications.

JSPMNTC provides one umbrella to create engineers, managers and masters by providing innovative teaching methodologies.

I am very glad of you as your organization is giving support every year for research projects. This year also we are exploring the possibilities of getting the research funds under Corporate Social Responsibility.

The list of research projects is attached herewith for your kind perusal. Your support and co-ordination in this regard will not only help our cause of value based education but also strengthen the young mind to face global challenges. Waiting with anticipation.

Thanking you
Yours faithfully

Dr. R. K. Lad
Director



LIST OF PROJECTS

Sr. No.	Project Title	Principal Investigator	Amounts (Rs.)
1.	Design predictive system in wireless sensor network for prevention, protection & preservation from natural disaster	Mr. V. S. Gaikwad	1,50,000.00
2.	IOT Based Power Measurement and Monitoring System	Dr. Sajid Shaikh	1,50,000.00
3.	Apparatus Development of Laser Metal Deposition Machine for Product Manufacturing	Mr. S. M. Patil	75,000.00
4.	Heat Transfer Equipment Manufacturing for Experimental Lab	Mrs. M. S. Deokar	80,000.00
5.	Experimental Investigation and Production of Algal Oil Synthesis Biofuel as per BSVI Norms	Ms. A. D. Halve	1,25,000.00
6.	Experimental Investigation of Nano Particle with Biodiesel to reduce Emissions	Mr. P. U. Gaikwad	1,20,000.00
7.	Development of Desiccant Dehumidification System for Agriculture Application	Mr. K. S. Rambhad	2,85,000.00
8.	Online Movie Ticket Booking system	Mrs. Ashwini Tekale	85,000.00
TOTAL			10,70,000.00



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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



Prof.(Dr.)T. J.Sawant
D.E.E., B.E. (Electrical), Ph.D., MISTE
Founder - Secretary

Prof.(Dr.) R.K.Lad
B.E. (Civil), M.E. (Env. Engg.) Ph.D. (Engg.)
DIRECTOR

Ref.: JSPM/NTC/IRC/2019-20/106

Date: 1st October 2019

To
The Principal Investigators
JSPM Narhe Technical Campus
Pune-411041

Subject: Distribution of the funds received under corporate social responsibility for research projects

Dear Principal Investigators,
Internal Research Centre (IRC) has received your research proposal. We had received funds from different agencies for this work. Institute is glad to inform you that your proposal is considered by the IRC for further research work.

The Distribution of amount is as follows:

Sr. No.	Project Title	Principal Investigators	Amounts (Rs.)
1	Investigation of Ground Water Vein Using Light Interference Technique in Pune City	Mr. V. V. Muthekar	1,25,000.00
2	Experimental Analysis of Grey Water Treatment Using Nano metal Oxides	Mr. S. S. Bansode	1,00,000.00
3	Design predictive system in wireless sensor network for prevention, protection & preservation from natural disaster	Mr. V. S. Gaikwad	1,50,000.00
4	IOT Based Power Measurement and Monitoring System	Dr Sajid Shaikh	1,50,000.00
5	Apparatus Development of Laser Metal Deposition Machine for Product Manufacturing	Mr. S. M. Patil	75,000.00
6	Heat Transfer Equipment Manufacturing for Experimental Lab	Mrs. M. S. Deokar	80,000.00
7	Experimental Investigation and Production of Algal Oil Synthesis Biofuel as per BSVI Norms	Ms. A. D. Halve	1,25,000.00
8	Experimental Investigation of Nano Particle with Biodiesel to reduce Emissions	Mr. P. U. Gaikwad	1,20,000.00
9	Development of Desiccant Dehumidification System for Agriculture Application	Mr. K. S. Rambhad	2,85,000.00
10	Online Movie Ticket Booking system	Mrs. Ashwini Tekale	85,000.00
TOTAL			12,95,000.00



Dr. R. K. Lad
DIRECTOR
JSPM Narhe Technical Campus
Narhe, Pune - 411 041



Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus



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Founder - Secretary

Prof.(Dr.) R.K.Lad
B.E.(Civil), M.E. (Env.Engg.) Ph.D.(Engg.)
DIRECTOR

Ref.: JSPM/NTC/IRC/2019-20/106

Date: 1st October 2019

To
The Principal Investigators
JSPM Narhe Technical Campus
Pune-411041

Subject: Distribution of the funds received under corporate social responsibility for research projects

Dear Principal Investigators,
Internal Research Centre (IRC) has received your research proposal. We had received funds from different agencies for this work. Institute is glad to inform you that your proposal is considered by the IRC for further research work.

The Distribution of amount is as follows:

Sr. No.	Project Title	Principal Investigators	Amounts (Rs.)
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4	IOT Based Power Measurement and Monitoring System	Dr Sajid Shaikh	1,50,000.00
5	Apparatus Development of Laser Metal Deposition Machine for Product Manufacturing	Mr. S. M. Patil	75,000.00
6	Heat Transfer Equipment Manufacturing for Experimental Lab	Mrs. M. S. Deokar	80,000.00
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9	Development of Desiccant Dehumidification System for Agriculture Application	Mr. K. S. Rambhad	2,85,000.00
10	Online Movie Ticket Booking system	Mrs. Ashwini Tekale	85,000.00
TOTAL			12,95,000.00



Dr. R. K. Lad
Director
JSPM Narhe Technical Campus
Narhe, Pune - 411 041



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• E-mail : nikhil.construction@yahoo.com

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Opp. Bhide Hospital, L.B.S. Road, Navi Peth, Pune - 30.
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967
• Website : www.nikhilgroup.in

Ref. No.: 308

Date: 25/04/2019

To,
The Director
JSPM's Narhe Technical Campus, Narhe
Pune-411041

Sub: Budget Expenditure for Project entitled as, **"Use of Coir Fibre in Concrete Mix"**.

Dear Sir,

As per the budget of Rs.52, 000/- sanctioned for your proposal for Project entitled as, **"Use of Coir Fibre in Concrete Mix"**. The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipments	NIL
2	Books & Journals	4000
3	Chemicals & Consumables	12000
4	Hiring Services	21000
5	Field Wok & Travel	5000
6	Contingency	3000
TOTAL		45000

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Director
Nikhil Construction, Pune





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Opp. Bhido Hospital, L. B. S. Road, Navi Peth, Pune - 30
Phone : + 91 20 24530007 Mobile : + 91 8888 809 907
• Website : www.nikhilgroup.in

Ref. No.: 2018-19 / 185

Date: 12/07/2018

To
The Director,
JSPM's Narhe Technical Campus,
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, **"Use of Coir Fibre in Concrete Mix"**.

Dear Sir,

As per the budget of Rs. 45,000/- mentioned in your proposal for Project entitled as, **"Use of Coir Fibre in Concrete Mix"**. We are glad to inform you that budget of Rs. 45,000/- (**In Words forty Five Thousand Only**) for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





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• Website : www.nikhilgroup.in

CERTIFICATE OF COMPLETION

Date:- 25/01/2019

Ref. No.: JSPM/NTC/ CIVIL/18-19/185

This is to certify that **Dr. S. D. Kore** has successfully completed Research project work titled, "**Use of Coir Fibre in Concrete Mix**". He has conducted project work during 12/07/2018 to 10/10/2018 at Nikhil Construction, Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus

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DEPARTMENT OF CIVIL ENGINEERING

Ref.:JSPM/NTC/2018-2019/CIVIL/43

Date: 3rd July 2018

To,

Mr. Gajanan Late,
Technical Director
Nikhil Construction
Pune.

Subject: Seeking Permission for Sponsoring Research Work.

Respected sir,

With reference to the above subject, our faculty **Dr. S. D. Kore**, seeking permission for carrying out research project entitled, "*Use of coir fibre in concrete mix*".

Research proposal and detailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

Yours Sincerely,

Dr. S. D. Kore
Assistant Professor
Department of Civil Engineering,
JSPM Narhe Technical Campus, Pune.



Dr. S. B. Khaple
R & D Coordinator,
Department of Civil Engineering

Dr. S. A. Chaudhari
Head,
Department of Civil Department



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• Website : www.nikhilgroup.in

Reference No. 2018/ 308

Date: 16/07/2018

To,

Dr. S. D. Kore

Associate Professor

Department of civil engineering

JSPM Narhe Technical Campus, Narhe. Pune

Subject: Acceptance of research proposal for, "Use of coir fibre in concrete mix."

Dear Dr. S. D. Kore,

I am writing on behalf of Nikhil Construction to let you know that we have accepted, "**Use of coir fibre in concrete mix**", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time.

You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 7774058031. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continued cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





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Phone : + 91 20 24530007, Mobile : + 91 8888 809 967
• Website : www.nikhilgroup.in

Ref. No.: 309

Date: 05/04/2019

To,
The Director
JSPM's Narhe Technical Campus, Narhe
Pune-411041

Sub: Budget Expenditure for Project entitled as, **"Utilization of Bagasse ash and Sugarcane Bagasse in Concrete"**.

Dear Sir,

As per the budget of Rs.52, 000/- sanctioned for your proposal for Project entitled as, **"Utilization of Bagasse ash and Sugarcane Bagasse in Concrete"**. The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipments	NIL
2	Books & Journals	4500
3	Chemicals & Consumables	15000
4	Hiring Services	26000
5	Field Wok & Travel	6000
6	Contingency	3500
TOTAL		55000

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Director
Nikhil Construction, Pune





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Phone : + 91 20 24530007 Mobile : + 91 8888 809 967
• Website : www.nikhilgroup.in

Ref. No.: 2018-19 / 186

Date: 12/07/2018

To
The Director,
JSPM's Narhe Technical Campus,
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, **"Utilization of Bagasse ash and Sugarcane Bagasse in Concrete"**.

Dear Sir,

As per the budget of Rs. 45,000/- mentioned in your proposal for Project entitled as, **"Utilization of Bagasse ash and Sugarcane Bagasse in Concrete"**. We are glad to inform you that budget of Rs. 55,000/- **(In Words Fifty Five Thousand Only)** for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





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• Website : www.nikhilgroup.in

CERTIFICATE OF COMPLETION

Date:- 10/10/2018

Ref. No.: JSPM/NTC/ CIVIL/18-19/186

This is to certify that **Prof. V. Nalawade** has successfully completed Research project work titled, "**Utilization of Bagasse ash and Sugarcane Bagasse in Concrete**". He has conducted project work during 12/07/2018 to 10/10/2018 at Nikhil Construction, Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus

S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist: Pune – 411041

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



DEPARTMENT OF CIVIL ENGINEERING

Ref.:JSPM/NTC/2018-2019/CIVIL/45

Date: 9th July, 2018

To,
The Technical Director
Nikhil Construction,
Pune

Subject: Seeking Permission for Sponsoring Research Work.

Respected sir,

With reference to the above subject, our faculty **Prof. V. Nalawade**, seeking permission for carrying out research project entitled, “**Utilization of Bagasse ash and Sugarcane Bagasse in Concrete**”. Research proposal and detailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

Prof. V. Nalawade
Assistant Professor
Department of Civil Engineering,
JSPM Narhe Technical Campus, Pune.

Dr. S. B. Khaple
R & D Coordinator,
Department of Civil Engineering

Dr. S. A. Chaudhari
Head,
Department of Civil Department





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Senapati Bapat Road, Pune - 411 016
Mobile : 9822015471, 9850971012, 9850800744
• E-mail : nikhil.construction@yahoo.com

CORPORATE OFFICE :
"SARTHAK", 721/3 - Shree Swayamsiddha Hsg. Soc.,
Opp. Bhido Hospital, L.B.S. Road, Navi Peth, Pune - 30
Phone : + 91 20 24530007, Mobile : + 91 8888 809 907
• Website : www.nikhilgroup.in

Reference No. 2018/108

Date: 12/07/2018

To,
Prof. V. Nalawade
Assistant Professor,
Department of civil engineering
JSPM Narhe Technical Campus, Narhe. Pune

Subject: Acceptance of research proposal for, "Utilization of Bagasse ash and Sugarcane Bagasse in Concrete".

Dear Prof. V. Nalawade,

I am writing on behalf of Nikhil Construction to let you know that we have accepted, "Utilization of Bagasse ash and Sugarcane Bagasse in Concrete", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time.

You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 9834147757. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continued cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Thank you.

Yours Truly,

Mr. Gajanan Late
Technical Manager
Nikhil Construction





Bhairavnath Sugar Works Ltd.

Factory Address: S.NO.68,At Post: Sonari,Tal: Paranda,Dist:Osmanabad-413505

(Maharashtra).Phone:(02477) 234055 Email: bhairavnathsugar@gmail.com

GSTIN-27AADCB0529M1ZN, PAN NO.AADCB0529M CIN NO.:U15421PN2000PLC134301

Ref No.: BSWL-PUNE/SONARI/2018-19/

Date: 11/07/2018

To
The Director
JSPM Narhe Technical Campus
Narhe, Pune-41

Subject: Releasing of funds for Educational Institute for research
Ref.: Your letter No.: JSPM/NTC/CSR/2018-19/639 /Dt. 22.06.2018

Sir,

With reference to the above mentioned subject, we would like to informed you that M/s. Bhairavnath Sugar Works Ltd. helps Teaching faculty Members, Under Graduate and Post Graduate students by providing funds for research under Corporate Social Responsibility (CSR). As, per the decision of management it has been decided that to allocate funds for fostering research. We are glad to inform you that the amount of Rs.9,80,000/- has been allocated for your institute.

Thanking You




Executive Director

Bhairavnath Sugar Works Ltd.



Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus



S. No. 12/2/2 and 14/9, Narhe, Tal: Haveli, Dist.: Pune - 411041
Phone: +91 20 2460 8700, 701, 702 Email: director@jspmntc.edu.in Web: www.jspmntc.edu.in
Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.
DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874

Prof.(Dr.) T. J. Sawant
D.E.E., B.E.(Electrical), Ph.D., MISTE
Founder - Secretary

Prof.(Dr.) R.K.Lad
B.E.(Civil), M.E.(Env.Engg.) Ph.D.(Engg.)
DIRECTOR

Ref.: JSPM/NTC/CSR/2018-19/639

Date: 22/06/2018

To
The Managing Director
Bhairavnath Sugar Works Ltd
A/p.: Sonari, Tal: Paranda,
Dist: Osmanabad-413505

Subject: Requisition for sanctioning of research fund

Respected Sir,

An environmental friendly green campus, "**JSPM Narhe Technical Campus**" (JSPMNTC) was established in 2011. The Institute is approved by AICTE, New Delhi and is affiliated to Savitribai Phule Pune University (SPPU), Pune.

The College being a technical campus offers UG programs (Bachelor of Engineering) in Civil, Computer, Electronics & Telecommunication and Mechanical Engineering. PG programs (Master of Engineering) are offered in Computer, Electronics & Telecommunication and Mechanical Engineering. It also offers PG programs in Master of Business Administration and Master in Computer Applications.

JSPMNTC provides one umbrella to create engineers, managers and masters by providing innovative teaching methodologies.

We are exploring the possibilities of getting the research funds under Corporate Social Responsibility.

The list of research projects is attached herewith for your kind perusal.

Your support and co-ordination in this regard will not only help our cause of value based education but also strengthen the young mind to face global challenges.

Waiting with anticipation.




Dr. R. K. Lad
Director

LIST OF PROJECTS

Sr. No.	Project Title	Principal Investigator	Amounts (Rs.)
1.	Image based Gesture Recognition using Image Processing Techniques	Ms. J. S. Kharat	1,25,000.00
2.	Development of a Precision IoT and ML based Crop Monitoring System	Dr. M. M. Sardeshmukh	1,25,000.00
3.	Advance Manufacturing Process for 3-D Printing and its Application	Mr. R. M. Deshmukh	1,20,000.00
4.	Micro Cutting Tools Fabrication for the Mechanical Micro-Maching	Mr. M. U. Gaikwad	1,30,000.00
5.	Abrasive Water Jet Machining of CompositeMaterials-Manufacturing	Mr. S. S. KALE	1,30,000.00
6.	Development of Solar Drying System for Agriculture Application	Mr. S. P. Kadu	2,95,000.00
7.	Online Magazine Management System	Mrs. Deepika Sarwate	55,000.00
TOTAL			9,80,000.00



Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus

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DIRECTOR

Ref: JSPM/NTC/IRC/2018-19/55

Date: 2/08/2018

To
The Principal Investigators
JSPM Narhe Technical Campus
Pune-411041

Subject: Distribution of the funds received under corporate social responsibility for research projects

Dear Principal Investigators,

Internal Research Centre (IRC) has received your research proposal. We had received funds from different agencies for this work. Institute is glad to inform you that your proposal is considered by the IRC for further research work.

The Distribution of amount is as follows:

Sr. No.	Project Title	Principal Investigators	Amounts (Rs.)
1	Use of coir fibre in concrete mix.	Dr. S. D. Kore	1,00,000.00
2	Utilization of Bagasse ash and Sugarcane Bagasse in Concrete.	Mr. S. S. Deshpande	1,00,000.00
3	Image based Gesture Recognition using Image Processing Techniques	Ms. J. S. Kharat	1,25,000.00
4	Development of a Precision IoT and ML based Crop Monitoring System	Dr. M. M. Sardeshmukh	1,25,000.00
5	Advance Manufacturing Process for 3-D Printing and its Application	Mr. R. M. Deshmukh	1,20,000.00
6	Micro Cutting Tools Fabrication for the Mechanical Micro-Maching	Mr. M. U. Gaikwad	1,30,000.00
7	Abrasive Water Jet Machining of Composite Materials-Manufacturing	Mr. S. S. KALE	1,30,000.00
8	Development of Solar Drying System for Agriculture Application	Mr. S. P. Kadu	2,95,000.00
9	Online Magazine Management System	Mrs. Deepika Sarwate	55,000.00
TOTAL			11,80,000.00



R.K.Lad

Dr. R. K. Lad
Director
Director
JSPM Narhe Technical Campus
Narhe, Pune - 411 041



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TOTAL			11,80,000.00




Dr. R. K. Lad
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Director
JSPM Narhe Technical Campus
Narhe, Pune - 411 041