



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

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

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

Web.: <http://www.abmspcoerpune.org> Email : abmspcoe@yahoo.com • office@abmspcoerpune.org



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

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

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



Criterion 3

3.2: Innovation Ecosystem

3.2.1 Institution has created an Ecosystem for Innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation centre facilities in the HEI to be considered)

Sr. No.		Particulars	Academic Year	PageNo.
1.	Research Grants	1. Prof. Sagar M. Gawande (Science & Technology Park – Nidhi Prayas Shala) 2. Prof. Chetan E. Kolambe (ASPIRE – SPPU) 3. Prof. Mandar N. Kakade (ASPIRE – SPPU) 4. Prof. Rama B. Gaikwad (ASPIRE – SPPU) 5. One Week National Level Seminar/Symposia on "EMERGING TRENDS IN ELECTRIC VEHICLE TECHNOLOGY: OPPORTUNITY AND CHALLENGES" by Science & Engineering Research Board (SERB) – Govt. of India 6. One Day Workshop on Blockchain Technology Workshop – SPPU 7. Prof. Sneha M. Ramteke (BCUD Proposal) 8. Prof. Manoj A. Mulik (BCUD Proposal) 9. Gayatri S. Kamble (BCUD Proposal)	2021-22 2019-21 2019-21 2019-21 2019-20 2019-20 2016-18 2016-18 2016-18	3 4 6 8 12 16 22 22 22
2.	Start-Ups (Registration of Startup Innovative Companies under College)	10. Dr. Soojey Deshpande – Bricks of Tamarind 11. Prof. Aditya Wankhade, Prof. G. E. Kondhalkar, Dr. K. H. Munde – Stick with Seat 12. Dr. S. B. Thakare, Prof. Supriya Shibde – Mini Vita 13. Prof. S. A. Patage, Dr. A. B. Shelar – CoverBlock	2021-22	27 28 29 30

		14. Dr. Balaji Selukar, Dr. K. H. Munde – Balaji Phenyl 15. Dr. V. V. Puri, Prof. S. R. Kokane – Smart Helmet 16. Prof. Rama Gaikwad, Prof. Pranjali More- Metarivalry 17. Prof. Sneha Salvekar, Prof. Swati Joshi - ALLTECH		<u>31</u> <u>32</u> <u>33</u> <u>34</u>
3.	Agrowbot	18. Soil Sensing Purchase 19. Mechanical Structure Purchase	2020-21	<u>35</u>
4.	Patents	20. 14 Patents Publsihed	2020-21 : 01 2021-22 : 13	<u>50</u>



SCIENCE AND TECHNOLOGY PARK

Supported by Department of Science and Technology,
Government of India

UNIVERSITY OF PUNE

Savitribal Phule Pune University Campus, Ganeshkhind Rd.
Pune - 411 007, Maharashtra, India
Telefax: +91-20-25699206 / 25693441
Website: www.scitechpark.org.in
E-mail: stp@scitechpark.org.in

Ref: STP/NIDHI PRAYAS/503

Date: 19 April 2022

To
Mr. Sagar Mukundrao Gawande
Flat No 06, Uttara Bldg, Ishaan's Galaxy, Near Vrindavan Hall,
Narhe, Pune 411041, Maharashtra

Subject: Nidhi Prayas Grant-in-Aid allotment letter

Dear Mr. Sagar,

Congratulations for your innovation being selected for the Nidhi Prayas grant. The innovator who is selected for this program is referred hence forth as a '*Prayasee*'. Your *Prayasee* registration number is **PC07/CY4/2022-23/PR2206**.

We are happy to inform you that after a detailed scrutiny, the panel of experts at the Science and Technology Park (STP) Pune, Prayas Center (PC) has selected your innovation '**Design And Development Of Efficient Bulb Crushing System To Recover Value Added Materials**' for this unique program. After a detailed discussion to optimize the method and the cost for developing the intended prototype for your innovation, STP PC has approved a grant of **Rs. 4,73,000/- (Rupees Four Lakh Seventy Three Thousand Only)**.

The amount is sanctioned for the purpose of developing the prototype in the best technically appropriate method and at an optimized cost with support of the STP Prayas Center team. We have created a prototype making facility called the '**DST PRAYAS SHALA**' for the purpose. It is located at Cummins College of Engineering for Women, Karvenagar, Pune. The facilities at the '**DST PRAYAS SHALA**' are free to use by the *Prayasee* wherever appropriate. The grant will be disbursed as the expenditure is made as per the agreed plan. The *Prayasee* has to submit the details of the money spent before the next tranche is released. The release of grant to the *Prayasee* is at the sole discretion of the Science and Technology Park Prayas Center depending upon the details furnished. The agreed and sanctioned breakup of the grant as per the guidelines of the program is as bellow,

1	Outsourcing Charges for R&D, Design Engg/Consultancy/Testing/Expert cost	Rs. 95,000
2	Raw materials/Consumables/Spares	Rs. 2,35,000
3	Fabrication/Synthesis Charges	Rs. 60,000
4	Business Travel and Event Participation Fees	Rs. 35,000
5	Patent Filing Cost	Rs. 28,000
6	Contingency	Rs. 20,000
	Total	Rs. 4,73,000

The project must be completed within 12 months from the date of first tranche disbursed. You need to sign a separate agreement with Science & Technology Park, Pune which is an integral part of the grant.

Best wishes for your work.

Regards,

Hardik Joshi
Director - Entrepreneur Engagement & Training
Prayas Center Coordinator





Savitribai Phule Pune University
(Formerly University of Pune)
Pune - 411007.
Internal Quality Assurance Cell (IQAC)

To,
Chetan Eknath Kolambe,
Assistant Professor,
Akhil Bharatiya Maratha Shikshan Parishad
Pune Anantrao Pawar College of Engineering
& Research Addr: S No 103 Shahu College
Campus Parvati Pune 09 Ta: Pune (corporation
Area) Dist: Pune
Subject: - Sanction of ASPIRE Research Mentorship Grant

Dear Researcher,

'ASPIRE Research Mentorship Grant' is an ambitious research funding scheme to identify young research talent in the university departments, colleges and institutions, affiliated to Savitribai Phule Pune University. The aim of providing the seed funding is to inculcate a research culture and to enable them to go forward for major financial assistance from national or international funding agencies.

The research talent is identified through rigorous screening / evaluation process by nationally and internationally renowned experts in the field, from amongst thousands of proposals received.

I am pleased to inform you that your project entitled **Design and Development of Sprinkling Nozzle in Drones** has been provisionally selected for research funding of Rs.300,000.00 in the ASPIRE Research Mentorship Scheme for the year 2019-21.


As a young researcher receiving this grant, we expect you to carry out your proposed research, in the best possible manner and report to us, periodically, about the outcome, utility and impact of your work. Such a progress report is mandatory at the end of every six months, from the date of issue of this letter. The progress made in the first year will be evaluated by an expert panel, for guidance and evaluation. Needless to mention, that the progress during the first year shall form the basis for continuation of the project for the remaining year.

I specifically draw your attention to the rules and guidelines of the ASPIRE scheme, which are available at the following link -

bcud.unipune.ac.in/BCUD_Research/Aspire_PDF/ASPIRE_Guidelines_Final_Draft.pdf

Please accept our heartiest congratulations to you and the leadership of your institution on such a prestigious selection.

Best Wishes



Dr Prafulla A. Pawar
Director,
Internal Quality Assurance Cell (IQAC)

Important:

Please Note the following

1. The Acceptance letter is required to be signed by the investigator and forwarded through the Head of the Department or Principal of College or Director of Institute, in the prescribed format.
2. You are requested to submit revised budget as per the amount sanctioned within 7 days after notification, so that the funds can be released. The sanctioned budget needs to be utilized strictly according to ASPIRE guidelines and the Ordinance 151 of the University.
3. If the expert panel is not satisfied with the progress in the first year, the university may proceed to recover the sanctioned amount with interest.



Savitribai Phule Pune University
(Formerly University of Pune)
Pune – 411007.
Internal Quality Assurance Cell (IQAC)

To,
Mandar Nitin Kakade,
Assistant Professor,
Akhil Bharatiya Maratha Shikshan Parishad
Pune Anantrao Pawar College of Engineering
& Research Addr: S No 103 Shahu College
Campus Parvati Pune 09 Ta: Pune (corporation
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I am pleased to inform you that your project entitled **Real Time Speech and Speaker Recognition for Forensic Application** has been provisionally selected for research funding of Rs.300,000.00 in the ASPIRE Research Mentorship Scheme for the year 2019-21.

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To,
Rama Bhagwatrao Gaikwad,
Assistant Professor,
Akhil Bharatiya Maratha Shikshan Parishad
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I am pleased to inform you that your project entitled **Implementation of a Wearable Defense System for Women’s security using Wireless Sensor Network and analyzing sensitive areas** has been provisionally selected for research funding of Rs. **240,000.00** in the ASPIRE Research Mentorship Scheme for the year 2019-21.

As a young researcher receiving this grant, we expect you to carry out your proposed research, in the best possible manner and report to us, periodically, about the outcome, utility and impact of your work. Such a progress report is mandatory at the end of every six months, from the date of issue of this letter. The progress made in the first year will be evaluated by an expert panel, for guidance and evaluation. Needless to mention, that the progress during the first year shall form the basis for continuation of the project for the remaining year.

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Pune – 411007.
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Assistant Professor,
Akhil Bharatiya Maratha Shikshan Parishad
Pune Anantrao Pawar College of Engineering
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Dr. Kashinath Munde <kashinathmunde@gmail.com>

SERB-Notification

3 messages

SERB_Administrator@serbonline.in <SERB_Administrator@serbonline.in>
To: "info@serbonline.in"@imsva02.cdacnoida.in

Fri, Oct 25, 2019 at 3:25 PM



Science and Engineering Research Board
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)
Department of Science and Technology, Government of India

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

(Statutory Body Established Through an Act of Parliament : SERB Act 2008)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Sector-B, Pocket-5
Vasant Kunj
New Delhi - 110 070

Assistance to Professional Bodies and Seminar Symposia**File Number: SSY/2019/001047****Dated: 25-Oct-2019**

Subject: Application titled "EMERGING TRENDS IN ELECTRIC VEHICLE TECHNOLOGY: OPPORTUNITY AND CHALLENGES"

Dear Dr. Kashinath Haribhau Munde,

It is to inform you that your proposal seeking for financial assistance under "Assistance to Professional Bodies & Seminar / Symposia Scheme" has been considered and recommended for the same. We are now agreed to provide **recommended Rs. 75,000/-** to meet the expenses related to **TA/DA to Young and Senior Indian Scientists and Pre-Conference printing** as **partial grant-in-aid** to the recommended application.

The grant is only for **"EMERGING TRENDS IN ELECTRIC VEHICLE TECHNOLOGY: OPPORTUNITY AND CHALLENGES"** **Dated: 20-Jan-2020 to 24-Jan-2020**

Kindly submit the required document/ RTGS within 15 days of the receipt of this letter in order to enable us to process the file for the release of funds. In case, we do not receive the requested document within the provided time, it would be presumed that you are not interested in this offer and it would be stand withdrawn automatically. No further correspondence will be entertained thereafter.

You are requested to submit affidavit (Bond) on Rs. 100/- non-judicial stamp paper, in original (by **speed / registered post**), scan copy through online is also required to submit (format link-https://serbonline.in/SERB/AbstractFilePath?FileType=E&FileName=BND_SSY.pdf&PathKey=DOCUMENT_TEMPLATE).

Kindly note that, no separate communication by post would be sent to you in this regard and without prior approval from SERB, convener cannot change the event date, it may not be acceptable.

With kind regards,
(Dr. Ramesh Vijayan)

Scientist C

Ph:

Email: seminar.symposia@serb.gov.in

Dr. Kashinath Haribhau Munde

Mechanical Engineering

Anantrao Pawar College Of Engineering And Research , Anantrao Pawar College Of Engineering And Research, Shahu College Campus, Parvati Pune 411009, Pune, Maharashtra-411009

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Kash Munde <kashinathmunde@gmail.com>

Thu, Oct 31, 2019 at 10:39 AM

To: Ashish Pawar <a.pawar5391@gmail.com>, Ganesh Kondhalkar <ganeshkondhalkar@gmail.com>

[Quoted text hidden]

Kash Munde <kashinathmunde@gmail.com>

Sat, Jan 11, 2020 at 9:59 AM

To: vijay javanjal <javanjal@gmail.com>

----- Forwarded message -----

From: <SERB_Administrator@serbonline.in>

Date: Fri 25 Oct, 2019, 3:21 PM

Subject: SERB-Notification

To: <"[@imsva02.cdacnoida.in](mailto:info@serbonline.in)">

[Quoted text hidden]

Joint Holder > -

S NO 103 SHAHU COLLEGE CAMPUS

PARVATI PUNE

PUNE

MAHARASHTRA

Customer No :868664094

Scheme :CURRENT ACCOUNT FOR SOCIETIES

Currency :INR

411009

Statement of Account No :916020062307897 for the period (From : 01-04-2019 To : 31-03-2020)

Tran Date	Chq No	Particulars	Debit	Credit	Balance	Init. Br
		OPENING BALANCE			100000.00	
02-04-2019		SAK/CASH DEP/SAK11327788/350/BY CASH		50.00	100050.00	350
02-04-2019		IMPS/P2A/909216388481/DEVAREKE/HDFCB ANK/ME2yearp		25000.00	125050.00	350
03-04-2019		BRN-SI-D11671565-TRFR TO 916010062254767-	25050.00		100000.00	350
04-04-2019		By Clg 020402 013 Pune		59000.00	159000.00	2567
04-04-2019		MOB/TPFT/GURUPAL YASHPAL/910010018883069		6000.00	165000.00	103
05-04-2019		SAK/CASH DEP/SAK114150079/350/BY CASH		53083.00	218083.00	350
05-04-2019		BRN-SI-D11671565-TRFR TO 916010062254767-	118083.00		100000.00	350
05-04-2019		IMPS/P2A/909518546525/MRSRATHO/TheAbh yu/fee		15000.00	115000.00	350
08-04-2019		MOB/TPFT/AMAN KUMAR/916010080877296		20000.00	135000.00	233
08-04-2019		SAK/CASH DEP/SAK114594312/350/BY CASH		38936.00	173936.00	350
08-04-2019		BRN-SI-D11671565-TRFR TO 916010062254767-	73936.00		100000.00	350
09-04-2019		UPI/P2A/9099910023953/SBI297e62f6c0114b169 4f5ee1a		8000.00	108000.00	350
09-04-2019		NEFT/000108288749/SIDDHI SHARDUL SAWANT/SIDDHI SAW		20000.00	128000.00	248
09-04-2019		BRN-SI-D11671565-TRFR TO 916010062254767-	28000.00		100000.00	350
11-04-2019		By Clg 056908 013 Pune		13956.00	113956.00	2567
11-04-2019		By Clg 029571 109 Pune		20000.00	133956.00	2567
11-04-2019		SAK/CASH DEP/SAK115388951/350/BY CASH		97550.00	231506.00	350
11-04-2019		BRN-SI-D11671565-TRFR TO 916010062254767-	97550.00		133956.00	350
11-04-2019		BRN-OW RTN CLG: REJECT:29571-01-FUNDS INSUFFICIENT	20000.00		113956.00	2567
12-04-2019		BRN-SI-D11671565-TRFR TO 916010062254767-	13956.00		100000.00	350
13-04-2019		GST @18% on Charge	22.50		99977.50	350
13-04-2019		Consolidated Charges for A/c	125.00		99852.50	350
15-04-2019		SAK/CASH DEP/SAK115922732/350/BY CASH		158804.00	258656.50	350
15-04-2019		BRN-SI-D11671565-TRFR TO 916010062254767-	158656.50		100000.00	350
18-04-2019		NEFT/SBIN619107688937/Mr MAYUR KISAN KUTWAL/ATTN		15000.00	115000.00	002
18-04-2019		BRN-SI-D11671565-TRFR TO 916010062254767-	15000.00		100000.00	350

09-12-2019	UPI/P2A/934336595249/AMOL JOTI/Bank of B/College		25000.00	150000.00	350
09-12-2019	BRN-SI-D11671565-TRFR TO 916010062254767-	50000.00		100000.00	350
11-12-2019	NEFT/N34519100656668/M.P.S.C./Payment		2880.00	102880.00	248
11-12-2019	BRN-SI-D11671565-TRFR TO 916010062254767-	2880.00		100000.00	350
12-12-2019	SAK/CASH DEP/SAK159857751/350/SELF		173433.00	273433.00	350
12-12-2019	NEFT/N346191007363578/LUBNA SHUJA KHAN/D1240249300		3000.00	276433.00	248
12-12-2019	UPI/P2A/934616436858/VASANT RA/Bank of I/UPI		15000.00	291433.00	350
12-12-2019	UPI/P2A/934616463274/VASANT RA/Bank of I/UPI		30000.00	321433.00	350
12-12-2019	UPI/P2A/934616074072/VASANT RA/Bank of I/UPI		5000.00	326433.00	350
12-12-2019	BRN-SI-D11671565-TRFR TO 916010062254767-	226433.00		100000.00	350
13-12-2019	By Clg 630083 240 Pune		10000.00	110000.00	2567
13-12-2019	By Clg 831040 229 Pune		53000.00	163000.00	2567
13-12-2019	SAK/CASH DEP/SAK160084351/350/SELF		78300.00	241300.00	350
13-12-2019	BRN-SI-D11671565-TRFR TO 916010062254767-	141300.00		100000.00	350
14-12-2019	GST @18% on Charge	36.00		99964.00	350
14-12-2019	Consolidated Charges for A/c	200.00		99764.00	350
16-12-2019	INB/IFT/VAIDEHI JAYANT BORAVAKE/TPARTY TRANSFER		31111.00	130875.00	108
16-12-2019	SAK/CASH DEP/SAK160404549/350/SELF		222222.00	353097.00	350
16-12-2019	BRN-SI-D11671565-TRFR TO 916010062254767-	253097.00		100000.00	350
17-12-2019	By Clg 087004 002 Pune		30000.00	130000.00	2567
17-12-2019	By Clg 882046 017 Pune		31889.00	161889.00	2567
17-12-2019	By Clg 045379 026 Pune		35000.00	196889.00	2567
17-12-2019	By Clg 700004 174 Pune		25000.00	221889.00	2567
17-12-2019	UPI/P2A/935111493915/Master RJ/Bank of M/Fees		2000.00	223889.00	350
17-12-2019	UPI/P2A/935117441681/VIKAM VIN/Saraswat /College		6889.00	230778.00	350
17-12-2019	BRN-SI-D11671565-TRFR TO 916010062254767-	8889.00		221889.00	350
18-12-2019	By Clg 339943 002 Pune		20000.00	241889.00	2567
18-12-2019	NEFT/000063591085/FUND FOR SCIENCE AND ENGINEERING		75000.00	316889.00	248
18-12-2019	UPI/P2A/935214885630/ROHAN RAJ/Kotak Mah/College		5000.00	321889.00	350
18-12-2019	UPI/P2A/935214889766/ROHAN RAJ/Kotak Mah/College		4445.00	326334.00	350
18-12-2019	INB/IFT/ANANTRAO PAWAR COLLEGE OF ENGINEERING AND	206334.00		120000.00	350
18-12-2019	BRN-SI-D11671565-TRFR TO 916010062254767-	20000.00		100000.00	350
19-12-2019	UPI/P2A/935312411195/VIKAM VIN/Saraswat /Pragwal		889.00	100889.00	350
19-12-2019	UPI/P2A/935312428315/VIKAM VIN/Saraswat /Ashutos		+ 278.00	101167.00	350
19-12-2019	BRN-SI-D11671565-TRFR TO 916010062254767-	1167.00		100000.00	350

सावित्रीबाई फुले पुणे विद्यापीठ (पूर्वीचे पुणे विद्यापीठ)

दूरध्वनी क्रमांक. :

०२०-२५६०१२६४

२५६०१२६५

ई-मेल: pldvp@unipune.ac.in



नियोजन व विकास विभाग,
गणेशखिंड, पुणे-४११००७.

संदर्भ - साफुपुवि/निववि/७१३

दिनांक : १५ नोव्हेंबर, २०१९

प्रति,

मा. प्राचार्य/संचालक,

सर्व संबंधित संलग्न महाविद्यालये/मान्यताप्राप्त परिसंस्था,

विषय : शैक्षणिक वर्ष २०१९-२० मध्ये गुणवत्ता सुधार योजनेअंतर्गत राज्य,
राष्ट्रीय व आंतरराष्ट्रीय पातळीवरील कार्यशाळा/चर्चासत्र/परिषदांचे
आयोजन करण्यासाठी अर्थसहाय्य मंजूरीबाबत...

महोदय/महोदया,

गुणवत्ता सुधार योजनेअंतर्गत शिगर आदिवासी व आदिवासी विभागातील विद्यापीठ
संलग्न महाविद्यालये व मान्यताप्राप्त परिसंस्थांनी राज्य, राष्ट्रीय व आंतरराष्ट्रीय पातळीवरील
कार्यशाळा/चर्चासत्र/परिषदांचे आयोजन करण्यासाठी ऑनलाईन पध्दतीने विहित मुदतीत
सादर केलेल्या प्रस्तावापैकी गुणवत्ता सुधार योजनेच्या मार्गदर्शकत्वांस अनुसम्यन पात्र
ठरलेल्या सोबत जोडलेल्या यादीतील महाविद्यालये/परिसंस्थांच्या नावापुढे नमूद केलेल्या
प्रमाणे अर्थसहाय्य मंजूर करण्यात येत आहे.

शैक्षणिक वर्ष २०१९-२० मध्ये महाविद्यालये/मान्यताप्राप्त परिसंस्थांकडून प्राप्त
झालेल्या प्रस्तावांची छाननी करून विद्यापीठाकडे प्राप्त प्रस्तावांचा आणि याकापी उपलब्ध
अर्थतरेतुद, कार्यशाळा/चर्चासत्र/परिषदांचे विषय, त्यांची व्यापकता व उपयुक्तता विचारात
घेऊन, अंतिम यादीस मंजूरी देण्यात आलेली आहे. मंजूरीची स्वतंत्र पत्रे पाठविण्यात येणार
नाहीत. प्रसिध्द करण्यात आलेली मंजूर यादी हीच मान्यता समजण्यात यावी.

ज्या महाविद्यालयांवर विद्यार्थ्यांचे अंतर्गत गुण वेळेत सादर न केल्यामुळे दोन
वर्षांपर्यंत कोणतेही अनुदान न देण्याबाबत कारवाई करण्यात आलेली आहे, अशा
महाविद्यालयास नजर चुकीने कार्यशाळा/चर्चासत्र/परिषदेस मंजूरी दिली गेली असेल तर
अशा महाविद्यालयांनी कार्यशाळा/चर्चासत्र/परिषद आयोजित करू नये, केल्यास त्यांना
आर्थिक सहाय्य अदा केले जाणार नाही.

संलग्न महाविद्यालये व परिसंस्थांची गुणवत्ता वाढविण्याचा दृष्टीकोन डोळ्यासमोर
ठेवून गुणवत्ता सुधार योजना ही संकल्पना अस्तित्वात आली. सावित्रीबाई फुले पुणे
विद्यापीठासारख्या आंतरराष्ट्रीय ख्यातीच्या आणि गुणवत्तेस प्राधान्य देणाऱ्या विद्यापीठांना
ही योजना निश्चितच वरदान ठरली आहे. विद्यापीठाचा मध्याचा संलग्नित

महाविद्यालयांचा/मान्यताप्राप्त परिसंस्थांचा व्याप पाहता पारंपरिक शिक्षणातील आणि व्यावसायिक शिक्षणातील अंदाजे ७१% महाविद्यालये, अंदाजे १७% मान्यताप्राप्त परिसंस्था आणि अंदाजे ७% मान्यताप्राप्त संशोधनसंस्था इतक्या मोठ्या संख्येने विद्यापीठाशी संलग्नित असणाऱ्या महाविद्यालयातील विद्यार्थी आणि शिक्षकांची गुणवत्ता वाढविण्याच्या दृष्टीने गुणवत्ता सुधारणा योजनेअंतर्गत राज्य, राष्ट्रीय व आंतरराष्ट्रीय पातळीवरील कार्यशाळा/चर्चासत्र/परिषदांचे आयोजन योजनाबद्ध पध्दतीने केले जाते. सदर कार्यशाळा/चर्चासत्र/परिषदांमध्ये राष्ट्रीय व आंतरराष्ट्रीय स्तरावरील व्यक्ती सहभागी होतात व संशोधन पेपर सादर करीत असतात. परंतु अशा सहभागी व्यक्तींच्या बाबतची व त्यांनी सादर केलेल्या संशोधन पेपरची माहिती विद्यापीठाकडे एकत्रितरित्या उपलब्ध नाही. विद्यापीठाने आयोजित केलेल्या कार्यशाळा/चर्चासत्र/परिषदांमध्ये विद्यापीठ कार्यक्षेत्रा बाहेरील किती नामांकित व्यक्ती उपस्थित राहिल्या अशा संपूर्ण माहितीचे संकलन होण्याच्या दृष्टीने मंजूरी देण्यात आलेली कार्यशाळा/चर्चासत्र/परिषद संपल्यानंतर ७२ तासांच्या आत सहभागी व्यक्तींची माहिती विद्यापीठाच्या <http://beud.unipune.ac.in> → login → Menu → Planning & Development → Submit participants details या लिंकवर सादर करावी. अशा पध्दतीने सादर केलेला अहवाल विद्यापीठास हिशेब सादर करतेवेळी दिलेल्या सुचनांप्रमाणे सादर करावा.

कार्यशाळा/चर्चासत्र/परिषदांमध्ये विविध विषयांवर सादर केलेल्या संशोधन पेपरचे एकत्रितरित्या संकलन करून, सदर संशोधन पेपरचे महाविद्यालय/परिसंस्थेतील शिक्षक/विद्यार्थ्यांना त्यांच्या पुढील संशोधनासाठी किंवा संदर्भासाठी ह्या कार्यशाळा/चर्चासत्र/परिषदांमध्ये सादर केलेले संशोधन पेपर उपलब्ध होण्याच्या दृष्टीने विद्यापीठाच्या संकेतस्थळावर सदर संशोधन पेपर अपलोड करण्याबाबत नजिकच्या काळात स्वतंत्र लिंक उपलब्ध करून देण्यात येणार आहे.

त्याचप्रमाणे जर काही कारणास्तव महाविद्यालय/परिसंस्थेस कार्यशाळा/चर्चासत्र/परिषदेच्या तारखेमध्ये बदल करावयाचा असल्यास त्याबाबतचे पत्र विद्यापीठाच्या संकेत स्थळावर महाविद्यालयाच्या लॉग-इन मधून ऑनलाईन पध्दतीने सादर करावे. त्यास ऑनलाईन पध्दतीनेच मंजूरी देण्यात येईल. या मागचा प्रमुख हेतु असा की, वरीलगी महाविद्यालये/परिसंस्था नाशिक, अहमदनगर, पुणे जिल्हा यासारख्या दूर ठिकाणी आहेत व केवळ एवढ्याच कामासाठी महाविद्यालय/परिसंस्थांमधील कर्मचाऱ्यांना विद्यापीठात यावे लागते. सबब, वरील प्रक्रियेमुळे महाविद्यालय/परिसंस्थांचा व कर्मचाऱ्यांचा वेळ, पैसा व मानवी श्रमाची बचत होण्याच्या दृष्टीने निश्चितच उपयोग होईल.

महाविद्यालये/मान्यताप्राप्त परिसंस्था यांनी गुणवत्ता सुधार योजनेच्या मार्गदर्शकत्वामध्ये तमूद केलेल्या नियम व अटीच्या अधिन राहून राज्य, राष्ट्रीय व आंतरराष्ट्रीय पातळीवरील कार्यशाळा/चर्चासत्र/परिषदांचे आयोजन करून त्यांनी देयके महाविद्यालये/परिसंस्थेच्या अंतर्गत हिशेबतपासनीसाकडून तपासणी (Audit) करून घेवून लेखापरिक्षणासाठी सादर करण्याबाबत स्वतंत्रपणे कळविण्यात येईल. सदर देयकासोबत महाविद्यालय/परिसंस्थेने प्राचार्य/संचालक यांची विद्यापीठ मान्यता पत्राची प्रत, नैक/एन.बी.ए. मूल्यांकन प्रमाणपत्राची प्रत, शैक्षणिक वर्ष २०१९-२० करिता भरलेल्या सलगनीकरण शुल्काची पावती, गॅरंटी, एआयएसएनई व एमआयएस माहिती भरल्याच्या प्रमाणपत्राची प्रत इत्यादी कागदपत्रे सादर करणे अनिवार्य आहे.

राज्य, राष्ट्रीय व आंतरराष्ट्रीय पातळीवरील कार्यशाळा/चर्चासत्र/परिषदांचे आयोजनासाठी महाविद्यालय/परिसंस्थांनी त्यासाठी वापरलेल्या निधीची मार्च मध्ये होणाऱ्या लेखा परिक्षण शिबीरानंतर प्रतिपूर्ती होते. सदर प्रतिपूर्ती लवकर होण्याच्या दृष्टीने

कार्यशाळा/चर्चासत्र/परिषदांचे आयोजनानंतर वरील सर्व बाबींची पूर्तता केल्यानंतर संबंधित कार्यशाळा/चर्चासत्र/परिषदांच्या हिशोबाची कागदपत्रे विद्यापीठाकडे तब्बित सादर करावीत व त्याचप्रमाणे महाविद्यालयाच्या बँक खात्यासंबंधीची माहिती विद्यापीठ संकेतस्थळावर अपलोड करण्यात यावी, जेणेकरून आयोजित केलेल्या कार्यशाळा/चर्चासत्र/परिषदांच्या खर्चाची प्रतिपूर्ती विद्यापीठाकडून लवकर करणे सुकर होईल.

राज्य, राष्ट्रीय व आंतरराष्ट्रीय पातळीवरील कार्यशाळा/चर्चासत्र/परिषदांचे आयोजन करण्यासाठी अर्षसहाय्य मंजूर यादी व कार्यशाळा/चर्चासत्र/परिषदांचे आयोजन व हिशेब सादर करताना महाविद्यालये/परिसंस्थेने घ्यावयाच्या काळजी बाबतची माहिती सोबत जोडलेली आहे.

कळावे,

Rash
13/11/19

(मुंजाजी एसके)

उपकुलसचिव

नियोजन व विकास विभाग

सोबत : वरीलप्रमाणे.

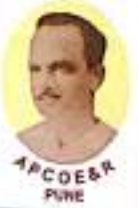


**AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S
ANANTRAO PAWAR COLLEGE OF ENGINEERING & RESEARCH**

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

Tel.: 020-24218901/8959/3929

Web.: <http://www.abmbspcoerpune.org> • Email : office@abmbspcoerpune.org



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

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

Savitribai Phule Pune University id : CEGP019670



Reference – SPPU/DPD/713

Date: 15 November, 2019

To,
Hon. Principal/Director,
All concerned affiliated colleges/recognized institutes

Subject: Regarding sanction of financial assistance for organizing State National and International Level Workshops / Sessions / Conferences under the Quality Improvement Scheme in the academic year 2019-20...

Sir/Madam,

Under the Quality Improvement Scheme, university affiliated colleges and recognized institutes in non-tribal and tribal divisions and state national and international level workshops, seminars and conferences are submitted online within the prescribed time frame as mentioned before the names of the college institutes in the attached list which are eligible as per the guidelines of the Quality Improvement Scheme. Financial assistance is being approved.

In the academic year 2019-20, after scrutinizing the proposals approved by the College Accreditation Committee, the final list has been selected, taking into consideration the proposals received by the University and the subject matter of the workshops/seminars/conferences, their scope and usefulness. Separate letters of approval will not be sent. The published list should be considered approved.

If action has been taken against these colleges for non-subsidy for two years due to non-submission of internal marks of the students, no financial assistance will be given to such colleges, if workshop discussion area councils have been sanctioned without notice, if such colleges do not organize workshop discussion councils.

The concept of Quality Improvement Scheme came into existence keeping in mind the vision of increasing the quality of the affiliated colleges and institutions. This scheme is definitely a boost for a university of international reputation and quality priority like Savitribai Phule Pune University. Considering the current scope of the university's approved ecosystem of recommended colleges, approximately 714 colleges in traditional education and vocational education are estimated. 174 recognized institutes and approximately 75 recognized research institutes are organized in a systematic manner under the Quality Improvement Scheme to improve the quality of the students and teachers of the colleges affiliated to the University. and are presenting research papers but the information about such participants and the research papers submitted by them is not collectively available to the university. 72 hours today the information of the participants should be submitted on the link of the university <http://bcud.unipune.ac.in> -> login -> menu -> planning and development -> submit participant's details. The report submitted in such a manner should be submitted as per the instructions given while submitting the accounts to the university.

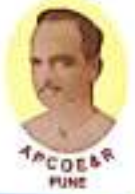


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DTE CODE :- EN 6794, AISHE CODE :- C-41484

Savitribai Phule Pune University id : CEGP019670



By collecting the research papers presented on various topics in the workshop seminar conferences, the said research papers will be made available to the teachers in the college system for their further research or reference. Similarly, if for some reason the date of the workshop discussion session conference needs to be changed in the college environment, the letter regarding it should be submitted online through the college login on the university website, then the approval will be given online. There are and only for this work the employees of the college institutions have to come to the university. The above process will surely benefit the college institutions and the employees in terms of saving time, money and human labor.

The recognized institutions of the college shall follow the norms mentioned in the guidelines of the quality improvement plan and organize a workshop discussion session at the state national international level. Copy of NEC NBA Appraisal Certificate Receipt of Paid Attachment Fee for Probationary Year 2019 20 Prorata City MIS Information Copy of Certificate of Filing etc. Documents Required to Submit.

The funds used by the college institutions for organizing seminars and conferences at state national and international levels are reimbursed after the audit camp held in March. In order to speed up the said reimbursement, after the organization of the workshops, seminars and conferences, after fulfilling all the above matters, the relevant documents of the accounts of the workshops, seminars and conferences should be immediately submitted to the university and similarly the information related to the bank account of the college. It should be uploaded on the university website so that it will be easy for the University to quickly replicate the expenses of the workshops, seminars and conferences organized.

To know,

SD
(Munjaji Rasave)
Deputy Chancellor
Department of Planning and Development

Along with: As above




Principal
Anantrao Pawar College of Engineering
& Research, Parvati, Pune

**QUALITY IMPROVEMENT PROGRAMME (2019-20) FINANCIAL ASSISTANCE FOR
ORGANIZATION OF SEMINAR/CONFERENCE/WORKSHOPS
Level- State**

59	Pune City	Haweli(Excluding Corporation Area)	Dr.D.Y.Patil Educational Enterprises Charitable Trust, Dr. D.Y.Patil School of Engineering & Technology Addr: Dr.D.Y.Patil Knowledge City Charali Bk Via Lohegaon, Pune Tal: Haweli(excluding Corporation Area) Dist: Pune, Pincode: 412105 PUNCODE:CEGP019180 Application ID: SCW191928001 Inward No: 330	Recent Trends in Civil Engineering	16/01/2020	17/01/2020	125000	100000	OK
60	Pune City	PUNE (Corporation Area)	Akhil Bhartiya Mantra Shiksha Parishad, Pune Anant Rao Pawar College of Engineering & Research Addr: S.No 103 Shahu College Campus Parvati Pune 09 Tal: Pune (corporation Area) Dist: Pune, Pincode: 411009 PUNCODE:CEGP019670 Application ID SCW191967002 Inward No: 385	Blockchain Technology	16/12/2019	17/12/2019	175000	100000	OK
61	Pune City	PUNE (Corporation Area)	Progressive Education Society B.Ed. College Addr: Opposite P.E.S Girls Hostel Shivajinagar Pune 05 Tal: Pune (corporation Area) Dist: Pune, Pincode: 411005 PUNCODE:CEGP013480 Application ID SCW191348001 Inward No: 367	Overview of Specific Learning Disability	29/11/2019	30/11/2019	90000	90000	OK





Savitribai Phule Pune University

(Formerly University of Pune)

Pune: - 411 007

Board of Colleges and University Development

Ref. No:- OSD/BCUD/392/6

Date:- 11/11/2016

To,
The Principal
Anantao Pawar College of
Engineering & Research
S No 103 Shahu College Campus
Parvati Pune 09

Subject: - Sanction of BCUD research Proposals for 2016-17 to 2017-18.

Dear Sir /Madam,

With reference to the acceptance letter and revised budget of the research proposal received from Principle Investigator, the University authorities are pleased to approve the project submitted by the following Principle Investigator/s along with the sanctioned amount shown against their name/s for year 2016-17 to 2017-18.


Sr. No.	Full Name	Sanction Amount
1	Sneha Murlidhar Ramteke	24000/-
2	Manoj Anandrao Mulik	21000/-
3	Gayatri Sanjeevkumar Kamble	230000/-
Total		275000/-

The 1st installment of the sanction research project has been released. The Project period will be two year from the sanction date of the proposal. The 1st Audit of the sanctioned project will be conducted in month of March 2017. You are requested to inform the concerned teacher.

The amount should be released to Principal Investigator within eight days after receiving of the 1st installment. The Utilization of the grant should be done as per the guidelines.

Details about the Norms and Guidelines can be download from www.unipune.ac.in


Dr. Ravindra G. Jaybhaye
OSD/BCUD


Dr. V. B. Galkwad
Director, BCUD



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



Record No.: ADM/D/001
Revision: 00

DoI: 21/01/2019

A.B.M.S. Parishad Correspondence

Ref. No. : APCOER/OFFICE/ 0473 /2022-23

मान्यतेस सादर....

प्रति,

मा. सरचिटणीस,

अखिल भारतीय मराठा शिक्षण परिषद,
पर्वती, पुणे - ४११००९.

A.B.M.S. Parishad, Pune-9.

Inward No. 671

Date. 22.01.22 Time. 1:30 PM

Sign. [Signature]

विषय — अभियांत्रिकी महाविद्यालयातील विद्यार्थी व प्राध्यापक यांना
Innovative Startups अंतर्गत नोंदणी करण्याबाबत...

महोदया,

अभियांत्रिकी महाविद्यालयातील मेकॅनिकल इंजिनिअरिंग विभागातील विद्यार्थी व प्राध्यापक यांनी तयार केलेल्या उत्पादनांचे Innovative Startups अंतर्गत नोंदणी करण्यासाठी खालील प्राध्यापकांनी विनंती पत्र दिले आहे.

No	Staff Name	Product Name	Registration Fee Rs.
1	Dr. Soojey Deshpande	Bricks of Tamarind	8,500/-
2	Prof. Aditya Wankhade, Prof. G. E. Kondhalkar, Dr. K.H. Munde	Stick with Seat	10,000/-
3	Dr. S.B. Thakare, Prof. Supriya Shinde	Mini Vita	8,500/-
4	Prof. S. A. Patage Dr. A. B. Shelar	Cover Block	8,500/-
5	Dr. Balaji Selukar Dr. K.H. Munde	Balaji Phenyl	8,500/-
6	Dr. V. V. Puri Prof. S. R. Kokane	Smart Helmet	8,500/-
7	Prof. Rama Gaikwad Prof. Pranjali More	Metarivalry	8,500/-
8	Prof. Sneha Salvekar Prof. Swati Joshi	ALLTECH	8,500/-

त्याअनुषंगाने मागील एजन्सी M/s Arks- Edge Corporate Solutions (I) Private Ltd., Pune यांच्याशी संपर्क केला असता त्यांनी दरपत्रक दिले आहे.

Address:



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

Contact Details:

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

Website:

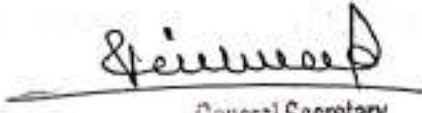
<http://www.abmspcorpune.org>, Email : abmspcorp@ya100.com

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ADM/D/001 Revision: 00	DoI: 21/01/2019	
A.B.M.S. Parishad Correspondence			

करीता अभियांत्रिकी महाविद्यालयाच्या विद्यार्थी व प्राध्यापक यांना Innovative Startups नोंदणी M/s Arks- Edge Corporate Solutions (I) Private Ltd., Pune यांसकडून करण्यास आपली मंजूरी मिळावी ही नम्र विनंती.
सविनय सादर

दिनांक: २१/१०/२०२२

आपला नम्र,



General Secretary

Akhil Bharatiya Maratha Shikshan Parishad, Pune-9

सहपत्र - १. प्राध्यापकांचे विनंती पत्र



डॉ. सुनिल ठाकरे
प्राचार्य


21/10/22


31-10-22



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

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

Tel.: 020-24218901/8959/3929

Web.: <http://www.abmbspcoerpune.org> • Email : office@abmbspcoerpune.org



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

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

Savitribai Phule Pune University id : CEGP019670



Ref. No. : APCOER/OFFICE/ 0473/ 2022-23

Copy submitted for approval,

To,
Hon. General Secretary,
Akhil Bharatiya Maratha Shikshan Parishad
Parvati, Pune 411009

Subject - Regarding registration of students and faculty of engineering colleges under Innovative Startups

Respected Madam,

The following professors have given a request letter to register the product developed by the students and professors of Mechanical Engineering Department of College of Engineering under Innovative Startups.

Sr. No.	Staff Name	Product Name	Registration Fee Rs.
1	Dr. Soojey Deshpande	Bricks of Tamarind	8,500/-
2	Prof. Aditya Wankhade, Prof. G. E. Kondhalkar, Dr. K. H. Munde	Stick with Seat	10,000/-
3	Dr. S. B. Thakare, Prof. Supriya Shinde	Mini Vita	8,500/-
4	Prof. S. A. Patage, Dr. A. B. Shelar	Cover Block	8,500/-
5	Dr. Balaji Selukar, Dr. K. H. Munde	Balaji Phenyl	8,500/-
6	Dr. V. V. Puri, Prof. S. R. Kokane	Smart Helmet	8,500/-
7	Prof. Rama Gaikwad, Prof. Pranjali More	Metarivalry	8,500/-
8	Prof. Sneha Salvekar, Prof. Swati Joshi	ALLTECH	8,500/-

Accordingly, previous agency M/s Arks Edge Corporate Solutions (I) Private Ltd., Pune has been contacted and they have given the tariff.

It is a humble request to the students and faculty of College of Engineering to get your permission to register Innovative Startups from M/s Arks Edge Corporate Solutions (I) Private Ltd., Pune.

For submissions.

Date: 21/10/2022

SD
General Secretary
ABMSP's Pune



SD
Dr. Sunil B. Thakare
Principal

Principal
Anantrao Pawar College of Engineering
& Research, Parvati, Pune - 9



Gmail

Kashinath Munde <kashinath.munde@abmspcoerpune.org>

Proposal for Registration of Companies

Sushant Kulkarni <sushant.kulkarni@arkscs.com>
To: kashinath.munde@abmspcoerpune.org

Wed, Oct 12, 2022 at 3:48 PM

Dear Sir

Please find attached herewith the proposal for Registration of Companies. The proposal is for 2 Directors. If proposed startup is having additional promoter then the Costing for the same will increase by Rs. 1500/- per Promoter

Base Rate for STartup Company : 8500/- (For 2 Promoter)

Additional Promoter Cost: 1500/-

Total: 10,000/- (All Costs for Company Registration, Govt Fees, Stamp Duty, PAN, DIN and DSC Included)

Regards,

SUSHANT KULKARNI

BSL, LLM, DADRS, DCL, ACS

|DIRECTOR|

ARKS-EDGE CORPORATE SOLUTIONS (I) PRIVATE LIMITED

CIN : U74900PN2013PTC147415 |

Flat No.4| Vasant Tara Apts| Above Udyam Vikas Sah Bank| Apte Road | Shivaji

Nagar|Pune - 411 004 India| Voice: +91 20 255 110 22 | Mobile:

+91 9763663156 |

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"Please consider the environment before printing this email."



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



Record No.: ADM/D/036B

DoI: 21/01/2019

Revision: 00

Internal Correspondence For Department

To,

The Principal,

APCOER, Pune

Subject: To get approval of registration of start-up in our incubation center

Respected Sir,

I, along with two students from Mechanical Department have developed a technique and designed an manual machine to produce bricks of tamarind of 1Kg, 500gm, 250gm. This helps to increase shelf life of tamarind and maintain brown / red color, quality for a longer period at room temperature.

We want to register this as our start-up and convert it into an enterprise. We need Rs. 3500/- as funds for its registration.

Please approve the same.

This is for your kind consideration please.



Date: 12/10/2022

Soojey
12/10/2022
Yours Faithfully

Dr. Soojey R. Deshpande
HOD, E&TC

APCOER, Parvati, Pune-09	
Inward No.	2713
Date	12/10/2022
Received Time	12:40
Receiver's Name & Signature	V. R. R. R. R. <i>[Signature]</i>
Remark	<i>[Signature]</i> Principal 12-10-22

[Signature]
Pr. up.

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ADM/D/036B Revision: 00	DoI: 21/01/2019	
Internal Correspondence For Department			

To,

The principal,

APCOER, Pune-411009

Subject: To get approval for registration of start-up in our incubation centre

Respected Sir,


I, along with our Workshop Team under the guidance of Prof. G. E. Kondhalkar has developed a product "Stick with Seat" in a mechanical workshop. We have been working on this product for 1.5 Years, We have worked from scratch to final product with all processes done at the workshop. We have sold 100 quantities till date.

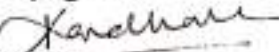
Now we want to register this product under the start-up of APCOER with the name "AADHAR". Expenditure for the same is 10000 Rs. For Three people as a start-up registration charges.

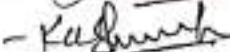
We request you to give registration charges from the institute for completing the process. The start-up will be named under APCOER, Pune. Please approve the same.

This is for your kind consideration.


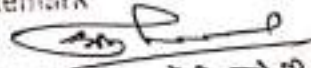
Yours Faithfully

Prof. Aditya Wankhade 

Prof. G. E. Kondhalkar 

Dr. K. H. Munde - 

Date: 12/10/2022

APCOER, Parvati, Pune-09	
Inward No.	2728
Date	12/10/2022
Received Time	3:45
Receiver's Name & Signature	ANUSHREE RONGE 
Remark	
Principal	12-10-22

Address:

Contact Details:

Website:

Page 1/1

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

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

<http://www.abmspcoerpune.org>, Email: abmspcoe@yahoo.com



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

Record No.: ADM/D/036B
Revision: 00

DoI: 21/01/2019



Internal Correspondence For Department

To,

The principal,

APCOER, Pune-411009

Subject: To get approval for registration of start-up in our incubation centre

Respected Sir,

I, along with our Civil Department under the guidance of Dr. S. B. Thakare has developed a product "Mini Vita" in a Civil Engineering Lab. We have been working on this product for 2 Years. We have Developed a mould and make a production of Mini Vita.

We have sold 5000 quantities till date.

Now we want to register this product under the start-up of APCOER with the name "Mini Vita". Expenditure for the same is 8500 Rs. For two people as a start-up registration charges.

We request you to give registration charges from the institute for completing the process. The start-up will be named under APCOER, Pune. Please approve the same.

This is for your kind consideration.

Yours Faithfully

Prof. Supriya Shinde

Dr. S. B. Thakare

Date-12/10/2022

APCOER, Parvati, Pune-09	
Address:	Sr.No-103, Parvati, Pune- 411 009,
Inward No.	2733
Contact Details:	Tel: 020-24218901/8959, Tele Fax:- 020-24213929
Date Website:	12/10/2022 http://www.abmspcoerpune.org , Email : abmspcoe@yahoo.com
Page 1/1	
Received Time	3:00
Receiver's Name & Signature	Anushree Ronge
Remark	AB
Principal	12-10-22

Mr. Mithal
put up



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



Record No.: ADM/D/036B
 Revision: 00

Dof: 21/01/2019

Internal Correspondence For Department

To,

The principal,

APCOER, Pune-411009

Subject: To get approval for registration of start-up in our incubation centre

Respected Sir,

I, along with our Civil Department under the guidance of Dr. A. B. Shelar has developed a product "Cover Block" in a Civil Engineering Lab. We have been working on this product for 2 Years. We have Developed a mould and make a production of Mini Vita.

We have sold 5000 quantities till date.

Now we want to register this product under the start-up of APCOER with the name "Cover Block". Expenditure for the same is 8500 Rs. For two people as a start-up registration charges.

We request you to give registration charges from the institute for completing the process. The start-up will be named under APCOER, Pune. Please approve the same.

This is for your kind consideration.

Yours Faithfully

Prof. S. A. Patage

Dr. A. B. Shelar

Date-12/10/2022

APCOER, Parvati, Pune-09	
Address:	Sr. No: 103, Parvati, Pune- 411 009,
Inward No:	2734
Contact Details:	Tel: 020-24218901/8959, Tele Fax:- 020-24213929
Date:	12/10/2022
Website:	www.abmshpcoeerpune.org, Email: abmshpcoe@yahoo.com
Page 1/1	
Received Time	3:00
Receiver's Name & Signature	Anushree Ronge
Remark	me-mukund but not.
Principal	12-10-22



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



Record No.: ADM/D/036B
Revision: 00

DoI: 21/01/2019

Internal Correspondence For Department

To,

The Principal,

APCOER, Pune.

Subject: To get approval of registration of start-up in our incubation center

Respected Sir,

Dr Balaji Selukar have developed a formula for production of Phenyl. The name of startup is "BALAJI PHENYL" This helps to generate revue by selling in large quantity to commercial organization by doing proper marketing with help of sales and delivery team.

The certain permissions from government regulating bodies are needed to bring this product to market as per suggestions from business development experts and scientist in chemical sectors. We want to register this as our start-up and convert it into an enterprise. We need Rs. 8500/- as funds for its registration.

Please approve the same. This is for your kind consideration please.

Date: 12/10/2022

Yours Faithfully

Dr. Balaji Selukar

Dr Kashinath Munde

APCOER, Parvati, Pune-09	
Inward No.	2740
Date	12/10/2022
Received Time	4:50
Receiver's Name & Signature	ANUSHREE RONGE AR
Remark	
Principal	 12/10/22

memorandum put up

Address:

Contact Details:

Website:

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

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

<http://www.abmospcoerpune.org>, Email: abmospcoe@yahoo.com

Page 1/1



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



Record No.: ADM/D/036B
Revision: 00

Dof: 21/01/2019

Internal Correspondence For Department

To,
The Principal
APCOER, Pune

Subject: To get approval for registration of start-up in our incubation center

Respected Sir,

I along with our Information Technology Department under the guidance of ER Ashok Saraf sir and honorable principal Dr. S. B. Thakare has proposed developed a "Smart Helmet" in Information Technology Lab. We have been working on this product for 6 months. We have proposed to develop a system and make assemble of Smart Helmet. Furthermore we have plan to sell.

We wish to register this product under the start-up of APCOER with the name "Smart Helmet" Expenditure for Registration on startup portal of Govt. of India approx Rs 8500/-. For two people as a start-up registration charges. We request you to approve registration charges Rs 8500/- from the institute for completing the process. The start-up will named under APCOER, Pune. Please approve the same.

This is for your kind consideration.

Yours Faithfully



Dr. V. V. Puri

Prof. S.R. Kokane

Date-21/10/2022

Mr. Mukund
put up.

APCOER, Parvati, Pune-09	
Inward No.	2967
Date	21/10/2022
Received Time	1:10
Receiver's Name & Signature	Anushree Ronghe AR
Remark	she Principal 21-10-22

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ADM/D/036B Revision: 00	DoI: 21/01/2019	
Internal Correspondence For Department			

Date: 21/10/2022

To,
 The Principal,
 ABMSP'S Anantrao Pawar College of Engineering & Research,
 Parvati, Pune-411009.

Subject: To get approval for registration of start-up in our incubation centre.


Respected Sir,

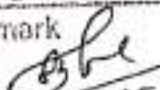
We are having a startup idea based on Social Media Marketing named as "Metarivalry". It includes Social Media Marketing, Designing Logos, posters, website development and many more. Expenditure for the same is approximate Rs. 10,000.

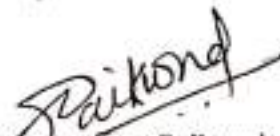
We request you to allow us to register this idea under the startup of APCOER.

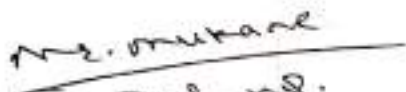
Please consider the request.

Yours faithfully,


 Prof. Pranjali A. More
 (Faculty Coordinator)

APCOER, Parvati, Pune-09	
Inward No.	2980
Date	21/10/2022
Received Time	3:25
Receiver's Name & Signature	Anushree Ronge AR
Remark	 Principal 21-10-22


 Prof. Rama Gaikwad
 (Head of Department)


 Mr. Mukane
 Put no.



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



Record No.: ADM/D/036B
Revision: 00

DoI: 21/01/2019

Internal Correspondence For Department

To,
The Principal,
APCOER, Pune-411009

Subject: Regarding request for approval of registration for start-up in our incubation centre

Respected Sir,

Our Student Neha Zende studying in TE AI&DS, along with our Artificial Intelligence and Data Science Department under the guidance of Prof. Swati Joshi & Prof. Sneha Salvekar has developed a Software Application as per client requirement "ALLTECH" in our Artificial Intelligence and Data Science Department Laboratory. We have been working on this application for 2 Years. We have Developed a website and Desktop Applications for different Organizations. We have developed two websites and one is ongoing till date.

Now we want to register this service under the start-up of APCOER with the name "ALLTECH". Expenditure for the same is 10,000 Rs. For two people as a start-up registration charges.

We request you to provide registration charges from the institute for completing the process. The start-up will be named under APCOER, Pune. We request your approval for the same.

Submitted for your kind consideration.

Date-21/10/2022

Prof. Swati Joshi

APCOER, Parvati, Pune-09	
Inward No.	2984
Date	21/10/2022
Received Time	4.25
Receiver's Name & Signature	Sericea Indalka
Remark	
Principal	<i>[Signature]</i> 21-10-22

Yours Faithfully

Prof. Sneha Salvekar

Address:
Contact Details:
Website:

Sr. No. 103, Parvati, Pune- 411 009,
Tel: 020-24218901/8959, Tele Fax:- 020-24213929
<http://www.abmispcoerpune.org>, Email : abmispcoe@yahoo.com Page 1/1



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

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

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

Web: <http://www.abmmpcoerpune.org> Email: abmmpcoe@yahoo.com • office@abmmpcoerpune.org



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

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

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



Ref. No. : APCOER/PO/017/2022-23

Date: 18/06/2022

To,
Proximal Soilsens Technologies Pvt Ltd
D-203 Marvel Citrine, Kharadi
Pune, Maharashtra, India 411014
Phone No. +91 7045997267

Subject: Purchase Order for Soilsens Station -Classic for polyhouse
Reference: Your Quotation No. SS/22-23/Q009 dated 02/06/2022

Respected Madam,

With reference to above mentioned quotations and subsequent discussion with our officials we are pleased to place a purchase order for **Soilsens Station -Classic (polyhouse)** of following Configuration. You are requested to deliver goods as early as possible as per the terms and conditions stated below.

Sr. No	Item Name	Quantity	Per Unit	Total
1	Soilsens Station -classic	1	34,899	34,899/-
	Packaging, Shipping, Installation Charges			2,000/-
			Subtotal	36,899/-
			Discount	3,400/-
			Gross	33,499/-
			GST	6,029.98/-
			Total	39,528/-

Amount in Words: - Thirty Nine Thousand Five Hundred Twenty Eight Rupees Only.

Terms & Conditions:

1. The subscription charges for SoilSens Station will begin from the second year, which includes sim charges/cloud charges.
2. AMC is not available for Soil moisture sensors.
3. The warranty period is 1 year for electronics or manufacturing defects.
4. Warranty doesn't cover any physical damage.
5. Installation is optional and will be provided on additional charges. We help you with remote installation.
6. Delivery will be made after 4 weeks once the PO is received. (depending on the silicon chips availability)
7. 50% of the payment is advance and 50% within two weeks of the product delivery.
8. Quotations are valid for 30 days from the date of issue. Prices can fluctuate because of fluctuations in silicon chip market.
9. Installation charges: depends on the location and accessibility. (as per actuals)
10. Downtime of the system due to climate, lack of network availability or any other reason beyond our control can't be accounted as Soilsens failure.
11. API charges aren't included. SIM charges included.

Principal
Anantrao Pawar College of
Engineering & Research
Pune - 411009



General Secretary
A.B.M.S Parishad,
Pune - 411009



Akhil Bharatiya Maratha Shikshan Parishad's

Anantrao Pawar College of Engineering & Research

Record No.: ADM/D/036B
Revision: 00

DoI: 21/01/2019



Internal Correspondence For Department

Date: 18/02/2022

To,
The Principal
APCOER, Pune

Reference- 'Soil Sense Station' product demo meeting on 16/02/2022 in presence of innovation members Mr. Sudarshan Natu, Mr. Padmakar Kelkar and Prof. Vaishali Bhimte (E&TC Department)

Subject-Product demo details of Soil Sense Station

Respected Sir,

'Soil Sense Station' product demo meeting was conducted on 16/02/2022 at 3 PM. Mrs. Rajul Patkar madam, Director, Proximal Soilsens Technologies Pvt. Ltd. has given demo of sensing machine and explained the details. Following are the details of product demo meeting.

1. Soilsens station powered through solar and adjustable design with height.
2. It sense and measure environmental parameter soil moisture, soil temperature and ambient humidity, ambient temperature.
3. All sensors data is made available on amazon web server after every 6 hr.
4. User will get data in excel and csv format for further processing.

As per discussion with Natu sir, he suggested following points to be considered before purchasing equipment-

1. SMS Plan to be selected:-Type of service provider and sms plan offered by Proximal Soilsens Technologies Pvt. Ltd.
2. With the sensors data, find the solution to generate API. Using sensor data available on AWS, team of Agrowdata (Computer Department), Agrownet (Computer Department), Agrowmon (IT Department) faculty should find solution to generate API.
3. Limited subscription of Amazon cloud server (free for 6 months). As subscription is limited, after 6 months, we will have to provide charges for subscription to get real-time data on server.
4. Meeting with team of Agrowdata (Computer Department), Agrownet (Computer Department), Agrowmon (IT Department) faculty members to be scheduled for further needful purchase of equipment.

Thank You.

Your's faithfully,

Prof. Vaishali Bhimte
Assistant Professor
E&TC Department

Prof. Shailesh Hajare
Head of Department
E&TC



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

Contact Details:

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

Website:

<http://www.abmspcorpune.org>, Email : abmspcor@yahoo.com

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ADM/D/001 Revision: 00	Dat: 21/01/2019	
A.B.M.S. Parishad Correspondence			

Ref. No. : APCOER/OFFICE/ 5330 /2021-22

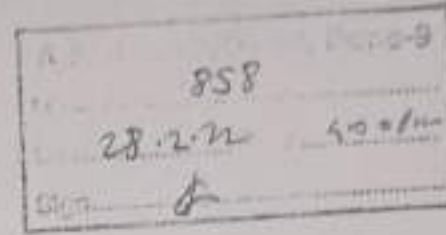
मान्यतेस सादर....

प्रति,

मा. सचिदणीस,

अखिल भारतीय मराठा शिक्षण परिषद,

पर्वती, पुणे - ४११००९.



विषय — पॉलीहाऊस करीता Soil Sensing System खरेदी करण्याबाबत...

संदर्भ — अभियांत्रिकी महाविद्यालयाचे पत्र क्र. APCOER/OFFICE/ 5181/2021-22

दिनांक - १८/०१/२०२२

महोदया,

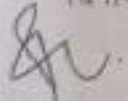
उपरोक्त संदर्भीय पत्रास अनुसरून अभियांत्रिकी महाविद्यालयातील ई अँड टी सी विभागातून प्रा. शैलेश हजारे, ई अँड टी सी विभागप्रमुख व प्रा. वैशाली भिमटे हे IoT Polyhouse प्रकल्पाच्या Agro sense task वर काम करत आहेत. या प्रकल्पा अंतर्गत जमिनीतील ओलावा, तापमान, सभोवतालची आर्द्रता आणि वातावरणीय तापमान मोजण्यासाठी Soil Sensing System खरेदी करून पॉलीहाऊसमध्ये स्वयंचलित यंत्रणा स्थापित करून माती संवेदन प्रणालीचा डेटा सेन्स केल्यानंतर IoT प्रणाली वापरून हा डेटा Cloud वर घेऊन Contineo Platform वर पुढील काम सुरू होईल. त्याअनुषंगाने दिनांक १८ फेब्रुवारी २०२२ रोजी श्री. राजुल पाटकर, Proximal Soilsens Technology Pvt. Ltd, Pune यांनी सेन्सिंग मशीनचा डेमो दिला असून त्यांनी Soil Sensing System खरेदी करीता रु. ३८,८२०/- (जी. एस. टी. सहित) चे दरपत्रक दिले आहे.

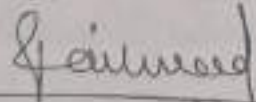
करीता Proximal Soilsens Technology Pvt. Ltd, Pune यांना Soilsens Station System खरेदी करण्यास व त्याअनुषंगाने होणारा खर्च ऑनलाईन पध्दतीने अदा करण्यास आपली मंजूरी मिळावी ही नम्र विनंती.

सविनय सादर

चर्चा करा.

दिनांक: २८/०२/२०२२



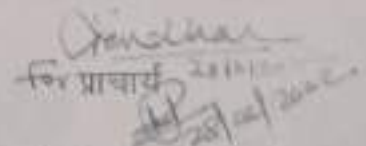


राजुल पाटकर

अ.मान. शिक्षण परिषद, पुणे ९



आपला नम्र,



सहपत्र — १. प्रा. शैलेश हजारे, ई अँड टी सी विभागप्रमुख व प्रा. वैशाली भिमटे यांचे पत्र
२. Proximal Soilsens Technology Pvt. Ltd, Pune यांचे दरपत्रक.

Address:

Contact Details:

Website:

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

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

<http://www.abmspcorpune.org>, Email: abmspcor@yahoo.com



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

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

Tel.: 020-24218901/8959/3929

Web.: <http://www.abmspcoerpune.org> • Email : office@abmspcoerpune.org



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

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

Savitribai Phule Pune University id : CEGP019670



Ref. No. : APCOER/OFFICE/5330/2021-22

Copy submitted for approval,

To,

Hon. General Secretary,

Akhil Bharatiya Maratha Shikshan Parishad

Parvati, Pune 411009

Subject - Regarding purchase of Soil Sensing System for Polyhouse

Reference – Engineering College Letter No. Ref. No. APCOER/OFFICE/5181/2021-22

Madam,

Pursuant to the above reference letter, Prof. from E&TC Department of Engineering College. Shailesh Hatone E & T C Head of Department and Prof. Vaishali and To Polyhouse are working on the Agro sense task of the project. Under this project, by purchasing Son Sing System to measure moisture, temperature, ambient humidity and ambient temperature, installing an automatic system in the palihouse, after sensing the data from the soil sensor, using the IoT system, the Contineo Platform will start the next work. Accordingly on 18th February 2002 Shri. Rajul Patkar Proximal Sailsense Technology Pvt Ltd, Pune has given the EC of the selling machine and for the purchase of this Soil Sensing System Rs. 38,820/- (including G.S.T.) has been quoted.

For Proximal Soilsense Technology Pvt. Ltd, Pune for your approval to purchase Soilsens Stauor System and pay the related expenses online.

Dated 28/02/2022

SD
General Secretary
ABMSP's Pune

SD
Dr. Sunil B. Thakare
Principal

Correspondence – 1. Letter from Prof. Shailesh Hajare, Head, E&TC and Prof. Vaishali Bhimate
2. Estimate from Proximal Soil Sens Technology Pvt. Ltd. Pune




Principal
Anantrao Pawar College of Engineering
& Research, Parvati, Pune - 9



Akhil Bharatiya Maratha Shikshan Parishad's

Anantrao Pawar College of Engineering & Research

Record No.: ADM/D/036B

Revision: 00

DoI: 21/01/2019



Internal Correspondence For Department

Date: 26/02/2022

To,
The Principal
APCOER
Pune- 09

Reference Letters -

1. Application for purchasing soil Sensing System for polyhouse on dated 15/01/2022
2. 'Soil Sense Station' product demo meeting on 16/02/2022 in presence of innovation members Mr. Sudarshan Natu, Mr. Padmakar Kelkar and Prof. Vaishali Bhimte on dated 18/02/2022

Subject:- Permission to release purchase order for purchasing equipment Soilsens Station (Polyhouse Sensing Machine) from Proximal Soilsens Technologies Pvt. Ltd.

Respected Sir,

With reference to above subject, "Soilsens Station" Demo Session meeting was conducted on 18/02/2022 at 3 PM. Mrs. Rajul Patkar, Proximal Soilsens Technologies Pvt. Ltd. has given demo of sensing machine. As per the revised quotations, total price of equipment is Rs. 38,820/-. With reference to subsequent discussion, we are willing to purchase "Soilsens Station" equipment to monitor soil moisture, soil temperature and ambient humidity, ambient temperature of polyhouse.

Following are the details of product demo meeting.

1. Soilsens station powered through solar and adjustable design with height.
2. It sense and measure environmental parameter soil moisture, soil temperature and ambient humidity, ambient temperature.
3. All sensors data is made available on amazon web server after every 6 hr.
4. User will get data in excel and csv format for further processing.

APCOER, Parvati, Pune-09

Inward No.	50640
Date	26/02/2022
Received Time	12:35
Receiver's Name & Signature	A. P. Yadav (By)
Remark	Principal 26-2-22

Page 1/2

For the Principal
B. Indhakar
and up to Rangam

Proximal Soilsens Technologies Pvt Ltd

Powering Precision Agriculture, Empowering Farmers



SOILSENS

Customer

Principal

Anantnagar college of engineering and research, Shahu college campus, Parvati, Pune-411

Date: February 25, 2023
Valid Until: 45 days from the date of issue
Quote #: APC_6008
Customer ID: APC

Terms and Condition

The subscription charges for SoilSens Station will begin from the second year, SIM to be provided by client. AMC is not available for Soil moisture sensors. The warranty period is 1 year for electronics or manufacturing defects. Warranty doesn't cover any physical damage. Installation is optional and will be provided on additional charges. We help you with remote installation. Delivery will be made after 8 weeks once the PO is received. 50% advance and 50% payment within two weeks of the product delivery. Subscription for first three months included in package. Later subscription will be 500 rupees per month.

Description	Quantity	Per Unit	Total
SoilSens Station V2.0	1.00	30899.00	30,899.00
Technical specification and components			
Works on solar power. Consists of soil moisture, soil temperature, ambient humidity and ambient temperature sensors.			
Station is solar powered and doesn't need electricity for operation. It is modular and height is adjustable.			
Data is recorded every 8 hours and can be programmed as per the customer requirement.			
Packaging, shipping and installation charges (Pune Local)			2000.00

Special Notes and Instructions

GST No. 27AAJCP2659L1ZU, MSME Registered - UDYAM-MH-26-0048994, DPP # 14665

Once signed, please mail or e-mail it to the provided address.

Above information is not an invoice and only an estimate of services/goods described above. 50% of payment will be collected in prior to provision of services/goods described in this quote.

Please confirm your acceptance of this quote by signing this document.

Subtotal	32,899.00
Discount	
GST 18%	5,921.82
	38,820.82
Total	38,820.82

Thank you for your business!

Should you have any enquiries concerning this quote, please contact Dr Rajat Parkekar on +91-7045007267

© 2019 Proximal Soilsens Technologies Pvt. Ltd. All rights reserved. Pune, India, Maharashtra, 411014

Phone: +91-7045007267 Email: info@proximalsens.com Web: www.proximalsens.com



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

Record No.: ADM/D/001
Revision: 00

DoI: 21/01/2019



A.B.M.S. Parishad Correspondence

Ref. No.: APCOER/OFFICE/5181/2021-22

मान्यतेस सादर....

प्रति,
मा. सरचिटणीस,
अखिल भारतीय मराठा शिक्षण परिषद,
पर्वती, पुणे - ४११००९.

A.B.M.S. Parishad, Pune-9	
Invaid No.	725
Date	19.1.21 Time 2.00 PM
Sign	<i>[Signature]</i>

विषय - पॉलीहाऊस करीता Soil Sensing System खरेदी करण्याबाबत...
महोदया,

अभियांत्रिकी महाविद्यालयातील ई अँड टी सी विभागातून IoT Polyhouse प्रकल्पाच्या Agro sense task वर काम करत आहेत. या प्रकल्पाचा उद्देश जमिनीतील ओलावा, तापमान, समोवतालची आर्द्रता आणि वातावरणीय तापमान मोजणे हा आहे. तसेच पॉलीहाऊस स्वयंचालित करण्यासाठी माती संवेदन प्रणालीची आवश्यकता आहे. हा डेटा सेन्स केल्यानंतर IoT प्रणालीचा वापर करून हा डेटा Cloud वर देऊ शकतो, जेणेकरून Contineo Platform वर पुढील काम सुरू होईल.

Proximal Soilsens Technology Pvt. Ltd, Pune यांसकडे Soilsens Station System उपलब्ध आहे. सदरची सिस्टिम मातीची आर्द्रता मोजू शकतो व पर्यावरणाच्या (मापदीडने) परीक्षण करण्यासाठी वापरली जाते. या प्रणालीची अंदाजे किंमत रु. ३०८९९/- आहे. सदर सिस्टिम खरेदी करीता प्रा. शैलेश हजारे, ई अँड टी सी विभागप्रमुख व प्रा. वैशाली भिमटे यांचे पत्र प्राप्त झाले आहे.

सदरची सिस्टिम Proximal Soilsens Technology Pvt. Ltd, Pune यांसकडून खरेदी केल्यास महाविद्यालयातील प्रकल्पास त्यांसकडून मदत होईल.

करीता Proximal Soilsens Technology Pvt. Ltd, Pune यांना Soilsens Station System खरेदी करण्यासंदर्भात चर्चेस बोलविण्यास आपली वेळ व तारीख मिळावी मिळावी ही नम्र विनंती.

सविनय सादर

दिनांक: १८/०१/२०२२

करा. *[Signature]*

[Signature]
जनरल सेक्रेटरी
अ.भा.म. शिक्षण परिषद, पुणे ९



आपला नम्र,

[Signature]
प्राचार्य 18/1/2022

सहपत्र - १. प्रा. शैलेश हजारे, ई अँड टी सी विभागप्रमुख व प्रा. वैशाली भिमटे यांचे

पत्र

Address:
Contact Details:
Website:

Sr. No. 103, Parvati, Pune- 411 009,
Tel: 020-24218901/8959, Tele Fax:- 020-24213929
<http://www.abmspcorpune.org> Email: abmspcoe@yahoo.com



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

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

Tel.: 020-24218901/8959/3929

Web.: <http://www.abmbspcoerpune.org> • Email : office@abmbspcoerpune.org



Accredited by

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

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

Savitribai Phule Pune University id : CEGP019670



Ref. No. : APCOER/OFFICE/5181/2021-22

Copy submitted for approval,

To,
Hon. General Secretary,
Akhil Bharatiya Maratha Shikshan Parishad
Parvati, Pune 411009

Subject: Purchase of Soil Sensing System for Polyhouse

Respected Madam,

IoT Polyhouse is working on Agro sense task from E&T So department of College of Engineering. The objective of this project is to measure soil moisture ambient concentration and atmospheric temperature. A soil sensing system is required to do the same. This data can be transferred to the Cloud using IoT after the data flow so that Next work can be done on the Contineo Platform.

Proximal SoilSens Technology Pvt. Ltd, Pune have Soilsens Station System is available. The system can measure soil moisture and is used for environmental monitoring. The estimated price of this system is Rs.30899/-. For the said purchase of system, letter is received from Prof. Shailesh Hazare, Head of E&TC Department and Prof. Vaishali Bhimte.

For said system, Proximal Soil Sense Technology Pvt. Ltd., Pune will help the college project if purchased from them

For, Proximal Soil Sense Technology Pvt. Ltd., Pune to get your time and date to convene discussions regarding procurement of soil sense station system.

For submission

Date: 18/01/2022

SD
General Secretary
ABMSP's Pune

SD
Principal

Correspondence – I. Letter from Prof. Shailesh Hajare, Head, E&TC and Prof. Vaishali Bhimate




Principal
Anantrao Pawar College of Engineering
& Research, Parvati, Pune - 9



Akhil Bharatiya Maratha Shikshan Parishad's

Anantrao Pawar College of Engineering & Research

Record No.: ADM/D/036B
Revision: 00

DoI: 21/01/2019



Internal Correspondence For Department

Date: - 15/01/2022

To,
The Principal
APCOER,
Parvati, Pune.

Subject: Application for purchasing soil Sensing System for polyhouse

Respected Sir,

We are working on Agro sense task of IoT Polyhouse project. The objective of this project is to measure soil moisture, soil temperature, ambient humidity and ambient temperature of soil. After sensing these data, we can provide data on cloud by using IoT. So that further work will get start on Contineo Platform. For that, we need Soil Sensing System for making our polyhouse automated.

A proximal Soilsens technology Pvt Ltd is having Soilsens station system that can measure soil moisture, soil temperature ambient humidity and ambient temperature. This system can be used to monitor environmental parameters. Soilsens station has four sensors, IoT platform and data is saved on cloud. This system is having approximate cost Rs. 30899+GST (Excluding installation and shipping charges)

We request you to permit us for purchasing this system.



Thanking You.

Yours Faithfully,

Prof. Vaishali V. Bhimte
Assistant Professor
E&TC Department

Prof. Shaillesh Hajare
Head of Department
E&TC

APCOER, Parvati, Pune-09	
Inward No.	50082
Date	17/01/2022
Received Time	11:20
Receiver's Name & Signature	A. P. Yedkar (A)
Remark	To, Mrs. Indalkar
Principal	Put up to management Kendhar

	Akhil Bharatiya Marathi Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ADM/D/001 Revision: 00	Dol: 21/01/2019	
A.B.M.S. Parishad Correspondence			

Ref. No. : APCOER/OFFICE/4724 /2021-22


मान्यतेस सादर....

प्रति,

मा. सरचिटणीस,

अखिल भारतीय मराठा शिक्षण परिषद,

पर्वती, पुणे - ४११००९.

A.B.M.S. Parishad, Pune-9	
Inward No. 294	
Date 29.08.2021 Time 3:30pm	
Sign. 	

विषय - पॉलीहाऊस करीता अॅग्रीबॉटच्या Gantry structure चे लागणारे साहित्य खरेदी करण्याबाबत...

महोदया,

अभियांत्रिकी महाविद्यालयाचे श्री. अशोक सराफ, इनोव्हेशन क्लब सदस्य यांनी पॉलीहाऊस अॅग्रीबॉट ऑटोमेशन प्रोजेक्टच्या [अमलबजावणीसाठी] सोबत जोडलेल्या यादीप्रमाणे Gantry structure चे लागणारे साहित्य खरेदी करण्यासाठी प्रा. प्राजक्ता कचरे, टीम समन्वयक यांचे पत्र प्राप्त झाले आहे. सदर अॅग्रीबॉटच्या Gantry structure चे लागणारे साहित्य खरेदी करता अंदाजे रु. ५४,४३५/- खर्च येत आहे. परंतु Gantry structure साठी लागणारे काही Components ऑनलाईन व काही Components खुल्या बाजारपेठेतून खरेदी करावे लागणार आहेत.

करीता पॉलीहाऊस करीता अॅग्रीबॉटच्या Gantry structure चे लागणारे Components ऑनलाईन व खुल्या बाजारपेठेतून खरेदी करण्यास आपली मंजूरी मिळावी.

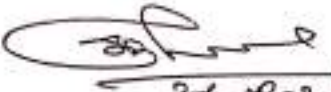
सविनय सादर

दिनांक: २६/०८/२०२१

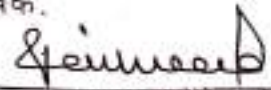
सदरबाबतीत चर्चा होणे अपेक्षित
नोटेबेशन असणे गरजेचे. सद्व्यस्थितीत
५.



आपला नम्र,


 डॉ. सुनिल ठाकरे
 प्राचार्य

सहपत्र - १. प्रा. प्राजक्ता कचरे, टीम समन्वयक यांचे अंदाज पत्रक.


 जनरल सेक्रेटरी

अ.भा.म. शिक्षण परिषद, पुणे ९

Address:

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

<http://www.abmspcorpune.org>, Email : abmspcor@yahoo.com



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

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

Tel.: 020-24218901/8959/3929

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

DTE CODE :- EN 6794, AISHE CODE :- C-41484
Savitribai Phule Pune University id : CEGP019670



Ref. No. : APCOER/OFFICE/4724/2021-22

Copy submitted for approval,

To,
Hon. General Secretary,
Akhil Bharatiya Maratha Shikshan Parishad
Parvati, Pune 411009

Subject - Regarding purchase of materials required for Agrobot's Gantry Structure for Polyhouse

Madam,

Mr. Ashok Saraf of Engineering College, Member of Innovation Club for the implementation of Polyhouse Agrobot Automation Project as per the attached list for purchasing materials required for Gantry Structures Prof. A letter has been received from Prajakta Kachare, Team Coordinator. About Rs.54,435/- is being spent on purchasing the materials required for the gantry structure of the said Agrobot, But some components required for gantry structure have to be purchased only and some components from open market.

To procure the components required for the gantry structure of Agrobot by Polyhouse only and from the open market.

For submission.

Date: 26/08/2021

It is expected that there will be a discussion about the presentation

It is necessary to have quotation. Currently?

Correspondence - Budget of Prof Prajakta Kachare, Team Coordinator



SD
Dr. Sunil B. Thakare
Principal

SD
General Secretary
ABMSP's Pune



Principal

Anantrao Pawar College of Engineering
& Research, Parvati, Pune - 9

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ADM/D/001 Revision: 00	Dol: 21/01/2019	
A.B.M.S. Parishad Correspondence			

Ref. No. : APCOER/OFFICE/8366/2020-21

मान्यतेस सादर....

प्रति,
मा. सरचिटणीस,
अखिल भारतीय मराठा शिक्षण परिषद,
पर्वती, पुणे - ४११००९.

A.B.M.S. Parishad, Pune-9	
Inward No.....130	Date.....13.08.2020
File.....	Time:- 1.40 pm

विषय:- पॉलीहाऊस करीता ऑग्नोबॉटसाठी लागणारे साहित्य ऑनलाईन पध्दतीने खरेदी करण्याबाबत.....

महोदया,

अभियांत्रिकी महाविद्यालया जवळील पॉलीहाऊस करीता ऑग्नोबॉट ऑटोमेशन प्रोजेक्टच्या अंमलबजावणीसाठी सोबत जोडलल्या यादीप्रमाणे साहित्य स्थानिक बाजारपेठेपेक्षा ऑनलाईन पध्दतीने खरेदी केले तर कमी दरात अंदाजे रू. ३७५०/- (18% जी. एस. टी. वेगळा) इतका खर्च येत आहे असे प्रा. प्राजक्ता कचरे, ऑग्नोबॉट टीम समन्वयक यांचे पत्र प्राप्त झाले आहे.

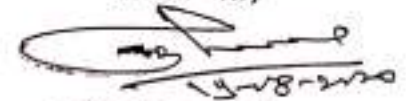
करीता पॉलीहाऊस ऑग्नोबॉटसाठी लागणारे साहित्य ऑनलाईन पध्दतीने खरेदी करण्यास व त्याअनुषंगाने होणाऱ्या अंदाजित रू. ३७५०/- (18% जी. एस. टी. वेगळा) खर्च रोखीने अदा करण्यास आपली मंजूरी मिळावी ही नम्र विनंती.

आपल्या मान्यतेस सविनय सादर

दिनांक : १९/०८/२०२०



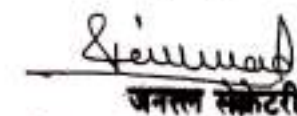
आपला नम्र,



डॉ. सुनिल ठाकरे
प्राचार्य

सहपत्र - १. प्रा. प्राजक्ता कचरे, ऑग्नोबॉट टीम समन्वयक यांचे पत्र




जनरल सेक्रेटरी

अखिल भारतीय मराठा शिक्षण परिषद, पुणे-९

Address:

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

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

<http://www.abmspcorpsune.org>, Email : abmspcorpe@yahoo.com



**AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S
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Tel.: 020-24218901/8959/3929

Web.: <http://www.abmspcoerpune.org> • Email : office@abmspcoerpune.org



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

DTE CODE :- EN 6794, AISHE CODE :- C-41484
Savitribai Phule Pune University Id : CEGP019670



Ref. No. : APCOER/OFFICE/4367/2020-21

Copy submitted for approval,

To,
Hon. General Secretary,
Akhil Bharatiya Maratha Shikshan Parishad
Parvati, Pune 411009

Subject - Online purchase of materials required for Agrobot by doing Polyhouse

Respected Madam,

For implementation of Agrobot automation project for polyhouse near engineering college as per attached list the material is procured from local market only, costing approximately Rs.3750/- (18% GST excluding). For that, Prof. Prajakta Kachare has earned the title of Agrobot Team Coordinator, We humbly request your permission to purchase the materials required for Polyhouse Agrobot online and to pay the estimated cost of Rs.3750/- (18% GST excluding) in cash.

Subject to your consent

Date: 19/08/2020

Correspondence - Budget of Prof Prajakta Kachare, Team Coordinator

SD
Dr. Sunil B. Thakare
Principal

SD
General Secretary
ABMSP's Pune




Principal
Anantrao Pawar College of Engineering
& Research, Parvati, Pune - 9


For this it is necessary to design agro car. Our requirement is 3 agro car to sustain 10 kg.load. The main function of the agro car is to provide motion to go forward and reverse manner. For designing proposed agro following components are required to be purchased.

Sr. No .	Name of component	Specification
1	Wheel (70*40)(mm)	(70*40)(mm)
2	Gear Motor	(200 rpm)DC Gear Motor, 6V -12V Torque range : 5kg-cm Weight : 100gm Shaft Diameter : 6mm
3	Metal plate	Chasis Dimension: 260 x 160 x 45 mm (L x W x H); Sheet Thickness: 0.65mm; Chasis Material: Steel (Powder Coated)



As it is a research project. In this project till now Rs.9777/- have spent. Now on experimental basis immediately one agro car is required to be procured. We have checked and these components/kits are available at Robocraze 822, 9th Main, 1st C Cross, HRBR Layout, Banaswadi, Bengaluru, Karnataka 560043. For purchasing product we had enquired and they are ready to deliver at our premises via online mode. Cost of one car component/kit is Rs. 1250/-

Hence an approval is requested for purchase of components/kits for three cars. Initially components/kit for one car will be ordered and if it suits for our need, remaining two will be procure by placing online order.

Thanking you .


Prof. Prajakta Kachare
Team Coordinator, Agrowbot Project


HOD
Mechanical Engg Department

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ACA/EX/D/002 Revision: 00	DoI: 21/01/2019	
Request Letter			

Date: 13/08/2020

To,
 The Principal,
 APCOER,
 Pune-411009

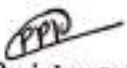
Subject: Permission to purchase Agrowbot Component

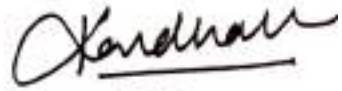
As it is a research project. On experimental basis immediately one agro car is required to be procured. We have checked and these components/kits are available on Amazon for online purchase. Cost of one car component/kit a is Rs. 1250/- .

Sr. No .	Name of component	Specification	Quantity	Price
1	Wheel	(70*40)(mm)	4	350/-
2	Gear Motor	(200 rpm)DC Gear Motor, 6V -12V Torque range : 5kg-cm Weight : 100gm Shaft Diameter : 6mm	4	800/-
3	Metal plate	Chasis Dimension: 260 x 160 x 45 mm (L x W x H); Sheet Thickness: 0.65mm; Chasis Material: Steel (Powder Coated)	1	100/-
		Total For 3 kit	Total	1250/- 3750/-

Hence an approval is requested for purchase of components/kits for three cars. Initially components/kit for one car will be ordered and if it suits our need rest two could be procured by placing online order.

Thanking you .


 Prof. Prajakta Kachare
 Team Coordinator, Agrowbot Project


 HOD
 Mechanical Engg Department

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
1	202221023895A	A DESIGN AND FORMULATION OF SOLAR PANEL COMPATIBLE FOR WIND LOAD	22-04-2022	Published	2022	Applicant
2	202221023896A	A METHOD FOR STRUCTURAL ANALYSIS AND WEIGHT OPTIMIZATION OF INTEGRATED STEERING KNUCKLE	22-04-2022	Published	2022	Applicant
3	202221023897A	A COMPOSITION METHOD OF AN AL-SIC METAL MATRIX COMPOSITE MATERIAL	22-04-2022	Published	2022	Applicant
4	202221023898A	A METHOD FOR FRONT AXLE DESIGN WITH DIFFERENT MATERIALS	22-04-2022	Published	2022	Applicant
5	202221023899A	A METHOD TO REDUCE THE NUMBER OF SPOT WELDS FOR A PASSENGER CAR WHEEL	22-04-2022	Published	2022	Applicant
6	202221023900 A	A DESIGN OPTIMIZATION AND VALIDATION FOR A VACUUM CHAMBER	22-04-2022	Published	2022	Applicant
7	202221023901 A	A METHOD FOR DESIGN OF A PASSIVE SUSPENSION SYSTEM BY USING GA/ANN	22-04-2022	Published	2022	Applicant
8	202221023902 A	A METHOD FOR DESIGN & ANALYSIS OF AIR SUSPENSION SYSTEM FOR 2DOF QUARTER HEAVY GOODS VEHICLE	22-04-2022	Published	2022	Applicant
9	202221023903 A	A METHOD AND FORMULATION OF AGAVE FIBRE REINFORCED COMPOSITES	22-04-2022	Published	2022	Applicant
10	202221023904 A	A METHOD AND FORMULATION OF JUTE FIBER COMPOSITE AT DIFFERENT PLY ORIENTATIONS	22-04-2022	Published	2022	Applicant
11	202241023910 A	A METHOD FOR DIAGNOSTIC AND PREDICTION OF RUL FOR ROLLING BEARINGS	22-04-2022	Published	2022	Co-Applicant
12	202121035176	DIGITAL NUMERICAL EVALUATION OF THE BEHAVIOUR OF A REINFORCED CONCRETE BUILDING	04-08-2021	Published	2021	Co-Applicant
13	202241046896	DESIGN OF FRAMEWORK TO TRACE/DETECT UNUSUAL FINANCIAL TRANSACTIONS USING MACHINE LEARNING	18-08-2022	Published	2022	Co-Applicant
14	202241046397	FRAMEWORK USING AUGMENTED REALITY FOR ENHANCING THE INTEREST IN THE SUBJECT DURING ONLINE SESSIONS	16-08-2022	Published	2022	Co-Applicant

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221023895 A

(19) INDIA

(22) Date of filing of Application :22/04/2022

(43) Publication Date : 27/05/2022

(54) Title of the invention : A DESIGN AND FORMULATION OF SOLAR PANEL COMPATIBLE FOR WIND LOAD

(51) International classification :G06F0030230000, G06F0030200000, G06F0030170000, G06F0111060000, G06F0111040000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----

2)Kashinath Haribhau Munde

3)Nilesh Ambaji Jadhav

4)Vikaskumar Kishanrao Mehtre

5)Ganesh Eknath Kondhalkar

6)Ashish Raju Pawar

Name of Applicant : NA
Address of Applicant : NA

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Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----

6)Ashish Raju Pawar

Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----

(57) Abstract :

ABSTRACT A DESIGN AND FORMULATION OF SOLAR PANEL COMPATIBLE FOR WIND LOAD The present invention envisage a design and formulation of solar panel compatible for wind load (100) comprising a solar panel selection (101) for which optimization has to perform and starts the process by a geometry preparation (102) for said selected solar panel (101). Further said geometry preparation (102) process to an import to ANSYS(103) in analysis software ANSYS and a defining of material property (104) allocation of material properties to said imported model (102). Furthermore a CFD analysis (105) for determining wind load and force acting on said geometric model (102) shall be performed and a meshing, load and boundary condition application (106) for said imported model (104) done to conclude the pre-processing. Next to said pre-processing a setup solve (107) after verification of all parameters said imported model (104) set to solve and finalize to a post processing and processing for stress and deflection plots (108) of said imported model (104). After evaluation of said results a design modification and conclusion (109) for said design selected for said analysis (101) shall be done if any required. Figure no. 01

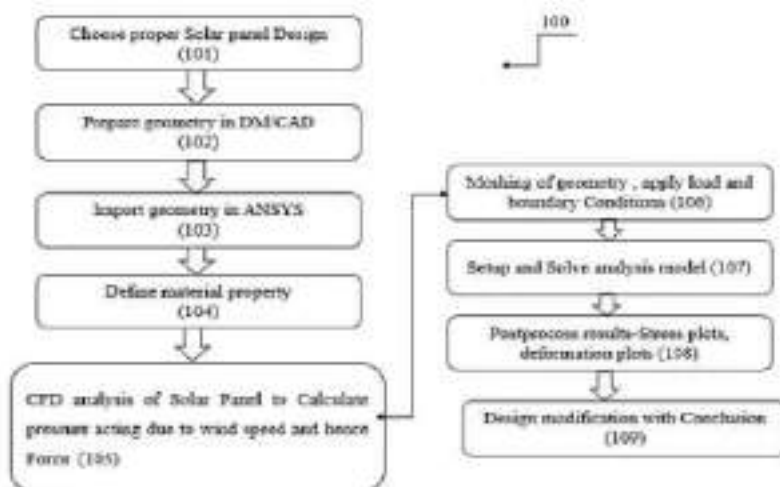


Figure no. 01

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221023896 A

(19) INDIA

(22) Date of filing of Application :22/04/2022

(43) Publication Date : 27/05/2022

(54) Title of the invention : A METHOD FOR STRUCTURAL ANALYSIS AND WEIGHT OPTIMIZATION OF INTEGRATED STEERING KNUCKLE

(51) International classification :G06F0030230000, G06F0030000000, G06F0030170000, G06F0030200000, B62D0007180000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Nikhil Manohar Dhumal
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3)Ashish Raju Pawar
4)Dhanashree Sarjerao Ware
5)Sandeep Vijay Raut
6)Kashinath Haribhau Munde
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Nikhil Manohar Dhumal
Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----
2)Ganesh Eknath Kondhalkar
Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----
3)Ashish Raju Pawar
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4)Dhanashree Sarjerao Ware
Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----
5)Sandeep Vijay Raut
Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----
6)Kashinath Haribhau Munde
Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----

(57) Abstract :

ABSTRACT A METHOD FOR STRUCTURAL ANALYSIS AND WEIGHT OPTIMIZATION OF INTEGRATED STEERING KNUCKLE The present invention envisage a method for structural analysis and weight optimization of integrated steering knuckle (100) comprising, a choosing existing steering knuckle (101) considered as reference and building a CAD model (102) that generated in 3D modelling software. Further a Meshing in Hyper mesh, apply loading and boundary Conditions (103) performed to make said CAD model (102) capable to analyse and a simulation and optimization (104) performed to analyse and identify opportunity of said structural. Furthermore a CAD modelling, Meshing, Re-analysis of optimized model in ANSYS (105) to determine exact final model that is compatible to existing practical application without any adverse effect and a comparing for at least three material to identify best material to sustain the practical working and suits for said method for structural analysis and weight optimization of integrated steering knuckle (100). Figure no. 01

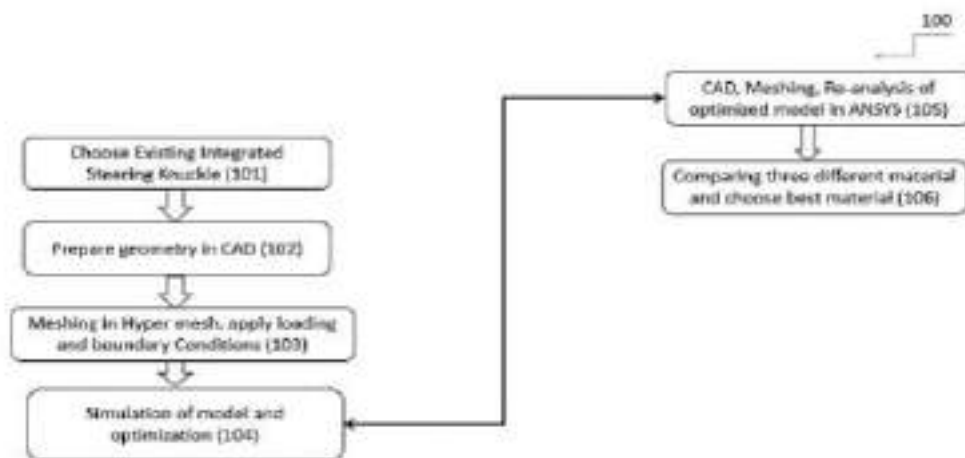


Figure No. 01

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221023897 A

(19) INDIA

(22) Date of filing of Application :22/04/2022

(43) Publication Date : 27/05/2022

(54) Title of the invention : A COMPOSITION METHOD OF AN AL-SIC METAL MATRIX COMPOSITE MATERIAL

(51) International classification :C22C0032000000, G01N0003560000, G01N0003080000, G01N0003060000, G01N0003420000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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2)Ganesh Eknath Kondhalkar

3)Sandeep Vijay Raut

4)Dhanashree Sarjerao Ware

5)Ashish Raju Pawar

6)Kashinath Haribhau Munde

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Parikshit Prakash Jagtap

Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune-411009 -----

2)Ganesh Eknath Kondhalkar

Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune-411009 -----

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Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune-411009 -----

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5)Ashish Raju Pawar

Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune-411009 -----

6)Kashinath Haribhau Munde

Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune-411009 -----

(57) Abstract :

ABSTRACT A COMPOSITION METHOD OF AN AL-SIC METAL MATRIX COMPOSITE MATERIAL A composition method of an AL-SIC metal matrix composite material (100), comprising; a specimen preparation (101) by means of various methods which include but not limits to a stir casting, powder metallurgy, liquid metallurgy etc. further a material selection (102) for said AL-SIC composite shall performed which include a matrix Al356 (103a) and a reinforcement SiC (103b) shall be performed in range by weight percent in 3%, 6%, 9%,. Furthermore a composite weight selection (104), an experimental investigation and characterization (105) of said composite shall performed and a testing (106) shall done by various mechanical testing methods which include but not limits to a tensile test, ductility test, compressive test, a hardness test, an impact test, a microstructure study, a wear test etc., in order to analysing result (107) against the desired parameters.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221023898 A

(19) INDIA

(22) Date of filing of Application :22/04/2022

(43) Publication Date : 27/05/2022

(54) Title of the invention : A METHOD FOR FRONT AXLE DESIGN WITH DIFFERENT MATERIALS

(51) International classification :G06F0030230000, G06F0030170000, G06F0119060000, G06F0111100000, G01M0005000000

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)PAVAN CHANDRAKANT BAGAL

Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----

2)ASHISH RAJU PAWAR

3)GANESH EKNATH KONDHALKAR

4)SHARUKH JAVED BAIG

5)KASHINATH HARIBHAU MUNDE

6)CHETAN EKNATH KOLAMBE

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)PAVAN CHANDRAKANT BAGAL

Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----

2)ASHISH RAJU PAWAR

Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----

3)GANESH EKNATH KONDHALKAR

Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----

4)SHARUKH JAVED BAIG

Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----

5)KASHINATH HARIBHAU MUNDE

Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----

6)CHETAN EKNATH KOLAMBE

Address of Applicant :Department of Mechanical Engineering, Anantrao Pawar College of Engineering & Research, Parvati, Pune -----

(57) Abstract :

ABSTRACT A METHOD FOR FRONT AXLE DESIGN WITH DIFFERENT MATERIALS The present invention envisages a method for front axle design with different materials (100) comprising a choosing proper front axle design (101) from existing design and a geometry in CAD (102) shall be prepared in order to import in ANSYS (103) to perform analysis with respect to intended functionalities and a material properties assignment (104) and meshing of geometry with an application of load and boundary conditions (105) shall be performed to conduct a modal analysis (106) to determine natural frequency and a static analysis and Fatigue analysis (107) to determine said front axle design (102) for fatigue life. Finally, a post-process results-stress plot, deformation plots (108) evaluates the stress and deformation status for said geometry imported in said ANSYS (103). Whereas a geometry modification shall be performed to improve the life (109) as per the results of said analysis. Figure no. 01

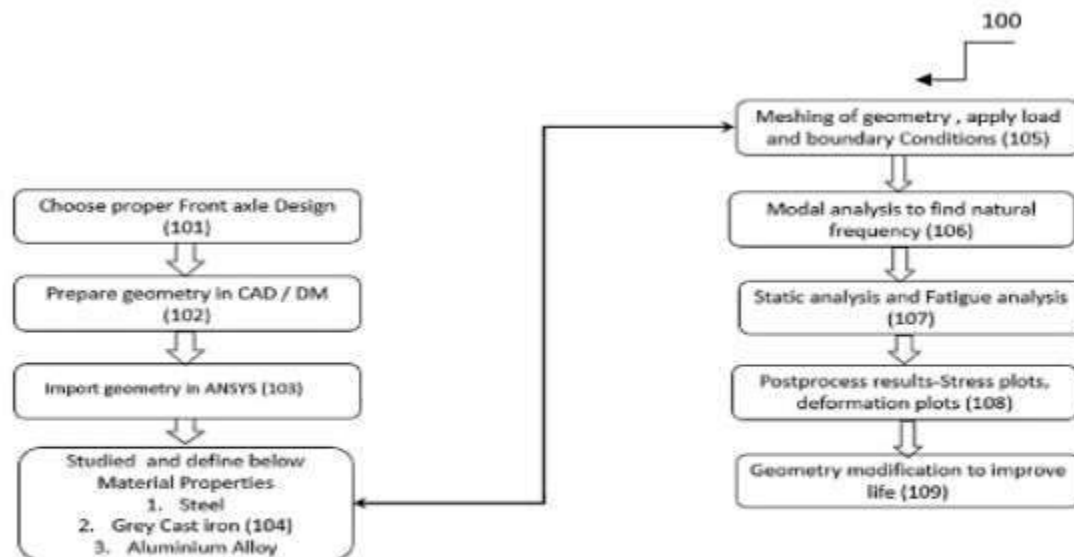


Figure No. 01

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221023899 A

(19) INDIA

(22) Date of filing of Application :22/04/2022

(43) Publication Date : 27/05/2022

(54) Title of the invention : A METHOD TO REDUCE THE NUMBER OF SPOT WELDS FOR A PASSENGER CAR WHEEL

(51) International classification :C22C0038280000, G01N0003000000, B23K0031120000, B29C0065000000, C22C0038060000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
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(62) Divisional to Application Number :NA
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(57) Abstract :
ABSTRACT A METHOD TO REDUCE NUMBER OF SPOT WELD FOR A PASSENGER CAR WHEEL The present invention envisage a method to reduce number of spot weld for a passenger car wheel (100); comprising a weld strength test (101) performed to verify the strength of welding, a cornering fatigue test (105) wherein a prediction of crack initiation life is described in the fatigue damage assessment of metallic structures, a radial fatigue test (109) in order to forecast a fatigue damage assessment of metallic automotive components and its application. Wherein firstly said weld strength test (101) after verification of FEA and experimental of said weld strength test (101) said cornering fatigue test (105) performed for said FEA and experimental verification and after successful verification said cornering fatigue test (105) a rim (201) again verified for said radial fatigue test (109) to confirm said rim with minimum numbers of spot weld (113).



Figure No. 01

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/04/2022

(21) Application No.202221023900 A

(43) Publication Date : 27/05/2022

(54) Title of the invention : A DESIGN OPTIMIZATION AND VALIDATION FOR A VACUUM CHAMBER

(51) International classification :G06F0030000000, G06F0030150000, G06F0030170000, G06F0030200000, G06F0030367000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

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(57) Abstract :

ABSTRACT A DESIGN OPTIMIZATION AND VALIDATION FOR A VACUUM CHAMBER The present invention envisage a design, validation, and optimization method (100), comprising a selection of an old model (101) to consider a ready reference, further a weight and thickness selection (101) and a CAD modeling (103) of the proposed design prepared and analysis (104) performed to rectify achievement of result that is to limit the deflection inside within 1mm and weight of the chamber below 600kg. An optimized and analysed model (107) processed for a geometry modification to improve a strength (108) and ensure the sufficient strength of design as for the application. In case if said geometry modification to improve a strength (108) varied basic parameter of optimization an analysis (109) performed for determination of intended results and parameter as required and finally an experimental test (100) performed for practical working with said features. Figure no. 01

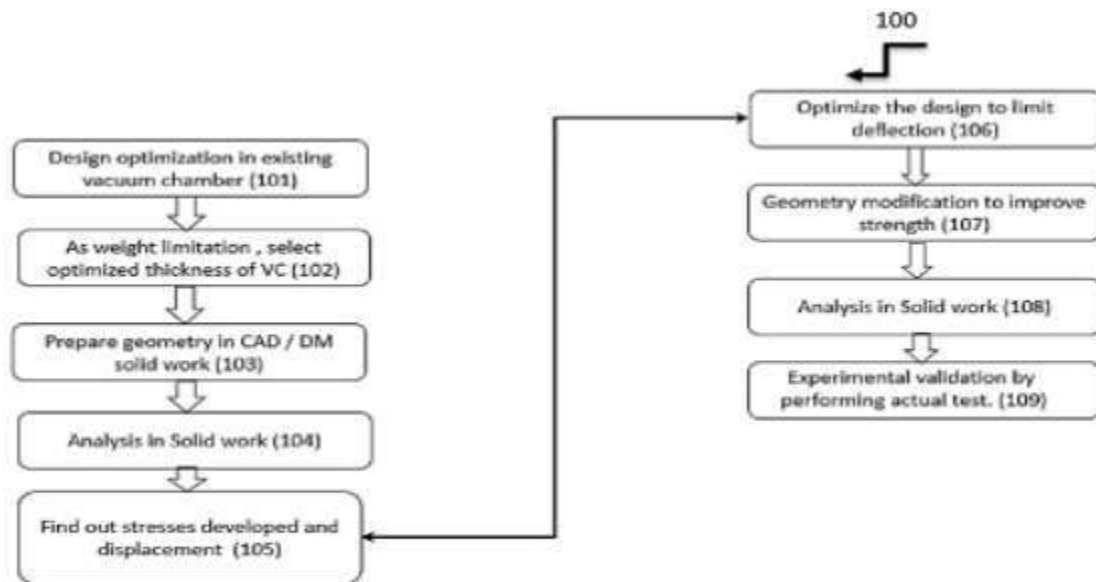


Figure No. 01

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/04/2022

(21) Application No.202221023901 A

(43) Publication Date : 27/05/2022

(54) Title of the invention : A METHOD FOR DESIGN OF A PASSIVE SUSPENSION SYSTEM BY USING GA/ANN

(51) International classification :G06F0030130000, G06F0030360000, B60G0017015000, A63C0017000000, G06F0030200000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
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(62) Divisional to Application Number :NA
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(57) Abstract :

ABSTRACT A METHOD FOR DESIGN OF A PASSIVE SUSPENSION SYSTEM BY USING GA/ANN The present invention a method for design of said passive suspension system (100) comprising; a study of various factor regarding (101), a study of roads and road (102), a study of road damage (103), a study of road response (104), a study of Matlab Simulink software (105) to effective above data interpretation collected by said studies and other parameter as required in said a study of road damage (103) to compensate in said method for design of said passive suspension system (100). Wherein said Matlab and Simulink software (105) performed by an ANN method (300) and GA method (400) to find the optimal or near to optimal values of the parameters of the suspension system, springs stiffness and dampers coefficients, the nonlinear optimization etc. by applying real coded to estimate the optimal values of said passive suspension parameters (100).

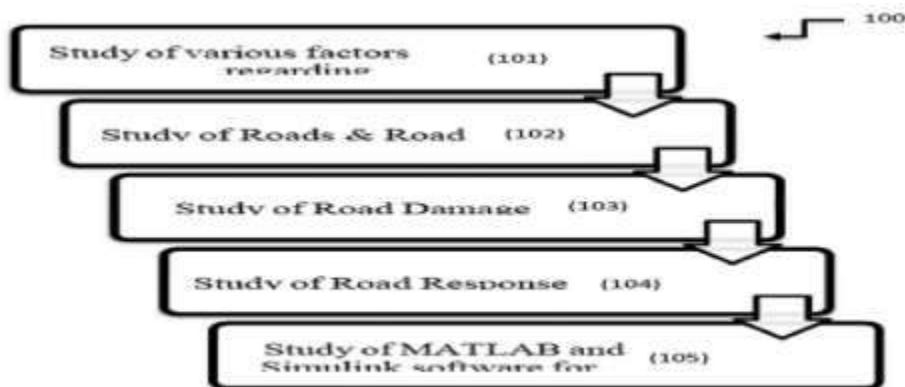


Figure No. 01

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221023902 A

(19) INDIA

(22) Date of filing of Application :22/04/2022

(43) Publication Date : 27/05/2022

(54) Title of the invention : A METHOD FOR DESIGN & ANALYSIS OF AIR SUSPENSION SYSTEM FOR 2DOF QUARTER HEAVY GOODS VEHICLE

(51) International classification :B60G0017052000, B60G0017015000, B60G0011270000, G06Q0010060000, G06F0030150000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

ABSTRACT A METHOD FOR DESIGN & ANALYSIS OF AIR SUSPENSION SYSTEM FOR 2 DOF QUARTER HEAVY GOODS VEHICLE The present invention envisages a method for design of said air suspension system (100) comprising a study of active suspension system (101) and a study of the characteristics of air suspension system (102) to analyze the factor to study of active suspension system using air suspension (101). Further development of a Matlab/Simulink mathematical model (103) and selection of road model as random profile input (105) done and design & development of an experimental setup for a quarter car model to calculate the responses (106) were performed. Wherein experimental analysis (107) was performed to verify the performance and an observation made for various road classes as per ISO standards, ride comfort & road holding behavior of quarter car model under dynamic conditions (108) and validated by comparing the numerical analysis as well as experimental values (109).



Figure no.01

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221023903 A

(19) INDIA

(22) Date of filing of Application :22/04/2022

(43) Publication Date : 27/05/2022

(54) Title of the invention : A METHOD AND FORMULATION OF AGAVE FIBRE REINFORCED COMPOSITES.

(51) International classification :C08J0005040000, B82Y0030000000, B29C0043000000, B29K0105160000, A61K0036880000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
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(57) Abstract :

ABSTRACT A METHOD AND FORMULATION OF AGAVE FIBRE REINFORCED COMPOSITES. The present invention envisage a method and formulation of agave fibre reinforced composites (100), comprising a selection of natural fiber and matrix material combination (101) of two or more than two chemically distinct materials combined to form said agave fibre reinforced composites (100) and a preparation of agave composites with matrix in 30, 45, and 90 degree layer arrangements (102) from said natural fiber and matrix material combination (101). Further a finding mechanical properties of prepared composite (103) shall be done and a fabrication of testing specimens (105) proceeded for a testing of specimen (106) making of said agave composites with matrix in 30, 45, and 90 degree (102) in order to perform a mechanical behaviour analysis and use matrix in application (107) of said a testing of specimen for (106).

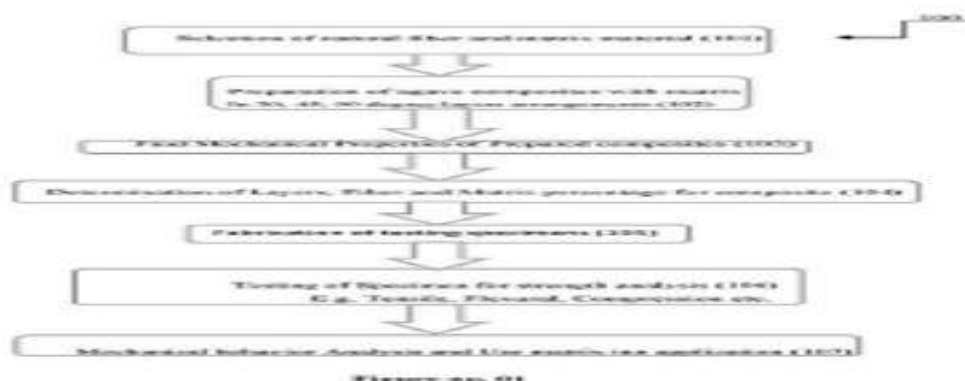


Figure-100, 01

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221023904 A

(19) INDIA

(22) Date of filing of Application :22/04/2022

(43) Publication Date : 27/05/2022

(54) Title of the invention : A METHOD AND FORMULATION OF JUTE FIBER COMPOSITE AT DIFFERENT PLY ORIENTATIONS

(51) International classification :C08J0005040000, B29C0070080000, B29K0311100000, B29C0043000000, B32B0009040000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
ABSTRACT A METHOD AND FORMULATION OF JUTE FIBER COMPOSITE AT DIFFERENT PLY ORIENTATIONS. The present invention envisage a method and formulation of jute fibre reinforced composites at different ply orientations (100), comprising a selection of natural fiber and matrix material combination (101) of two or more than two chemically distinct materials combined to form said jute fibre reinforced composites (100) and a preparation of jute composites with matrix in 0, 45, and 90 degree layer arrangements (102) from said natural fiber and matrix material combination (101). Wherein a finding mechanical properties of prepared composite (103) shall be verified and a fabrication of testing specimens (105) of commence to perform a testing of specimen for (106) and a mechanical behaviour analysis and use matrix in application (107) of said a testing of specimen for (106) done to ensure compliance for application.

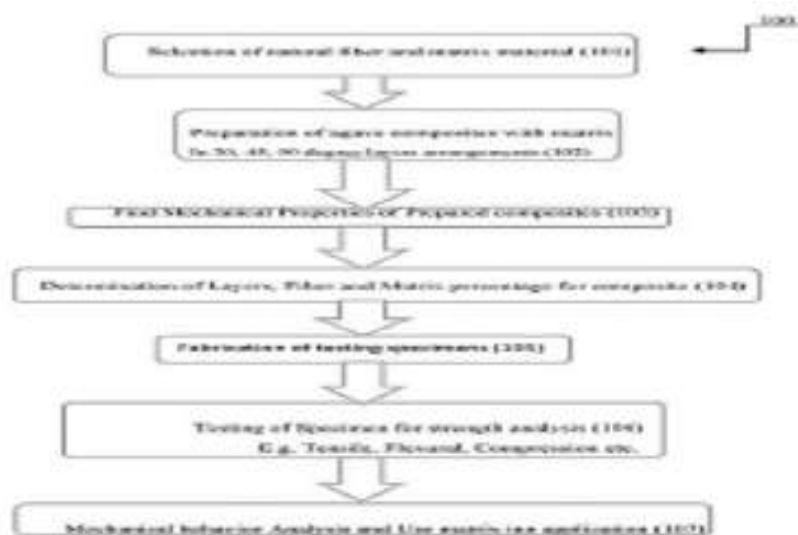


Figure no. 01

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/04/2022

(21) Application No.202241023910 A

(43) Publication Date : 06/05/2022

(54) Title of the invention : A METHOD FOR DIAGNOSTIC AND PREDICTION OF RUL FOR ROLLING BEARINGS

(51) International classification :G01M0013040000, F16C0019520000, G01M0013045000, G05B0023020000, F16C0019540000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

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Filing Date :NA

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(57) Abstract :

ABSTRACT A METHOD FOR DIAGNOSTIC AND PREDICTION OF RUL FOR ROLLING BEARINGS The present invention envisages a method for diagnostic and prediction of RUL for rolling bearings (100), comprising; a manufacturing TEST RIG for bearing testing (101) wherein various condition monitoring techniques used to predict the defects in bearings and a testing defective bearing (102) performed for said bearing testing (101) by means of running to failure experiments on said roller element bearings under operating conditions wherein a collection of numerical data for different speed and load condition (103) for said testing defective bearing (102) collected and a mathematical model developed for prediction of remaining useful life of bearing (104) in order to write a program in a Matlab (105) and finally a result (106) for said program of said Matlab (105) shall be analysed for said bearings in practice intended to run at different operating speeds, loads, and in diverse environmental conditions.

No. of Pages : 12 No. of Claims : 10



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FIELD OF INVENTION	COMPUTER SCIENCE

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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	26/08/2022

Application Status

APPLICATION STATUS	Awaiting Request for Examination
--------------------	---

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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

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TITLE OF INVENTION	FRAMEWORK USING AUGMENTED REALITY FOR ENHANCING THE INTEREST IN THE SUBJECT DURING ONLINE SESSIONS
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PRIORITY DATE	
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Application Status

APPLICATION STATUS

Awaiting Request for Examination[View Documents](#)

➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

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