# Rashtrasant Tukdoji Maharaj Nagpur University AVISHKAR CONVENTION 2023-2024 <br> (Nagpur and Wardha District) 

Host Institution - S.S.E.S. Amravati's Science College, Congress Nagar, Nagpur-12 Venue - S.S.E.S. Amravati's Science College, Congress Nagar, Nagpur-12

Date- 16/12/2023
Avishkar convention 2023-24 is a one of the programmes of RTM Nagpur university for the motivation of senior college students in the field of research and innovation.

During the current session 2023-2024 this Avishkar convention programme for Nagpur and Wardha district is hosted by Shri Shivaji Education Society Amravti's Science College, Congress Nagar, Nagpur12 on dated $16^{\text {th }}$ December 2023.

Prof. Atul D. Bobdey and Dr. Mrs. Rupali A. PatilBhagat were appointed as a Coordinator and Cocoordinator respectively.

Host college has done all the preparations on $15^{\text {th }}$ December and organized inauguration programme at 10.00 AM on 16 th December 2023 after the registration of all the participants. The students of 40 colleges from Nagpur and Wardha districts have participated with their posters, models and power point presentations of their ideas.

At 10.30 AM sharply the inauguration program was started. Pro-vice chancellor of the RTM Nagpur university Honourable Dr. Sanjayji Dudhe has shared his valuable time with us as a Chief Guest and inaugurator of the convention. Prof. Sanjayji Dhoble Chairman of Avishkar Convention, RTMNU has chaired the position of Guest of honour. Dr. Mangesh Pathak, Director Student Development Section RTMNU and member secretory of the Avishkar Convention was also the Guest of honour in the programme. The programme was chaired by Honourable Principal of the college Professor. Mahendra Dhore.

After the felicitation of the honourable guests and judges of the Avishkar convention Prof. Atul Bobdey has given introductory remark of the programme. Honourable Pro-Vice chancellor has appreciated the college for hosting this megaevent and the number of registered participants in the convention. All the dignitaries on the dais has presented their views and motivational speeches for the participant students.

The arrangement of exhibition was done by providing the separate coding to each and every exhibits from six categories. In exhibition hall all the exhibits are only recognized by their coding so as to keep transparency during the assessment of the same.

University has provided the two judges for each category of subjects selected from eminent researcher community in the university. Total 257 students from Undergraduate, Postgraduate and Research students has participated in the convention including 40 colleges. From all the colleges one teacher has participated in the convention.

College has made the arrangement of lunch for the student and teacher participants during the convention programme. At 6.00 pm the judges has submitted their assessment sheets and convention programme was concluded.


Felicitation of Guest


Welcome to the Guests


Inauguration of Session


Audience


Participants


Felicitation of Guest


Hon'ble Principal


Exhibits


Exhibits


Exhibits
Exhibits


## NOTICE

All Committee members of Avishkar 2023-24 Nagpur and Wardha District are informed to attend meeting scheduled on Friday 15/12/2023 at 11:30 am in the meeting Hall.



Principal
Science College
Congress Nagar, Nagpur.

1. VIDYAPEETH GEET AND GAURAW GEET - Dr. Pranita Gulhane
2. ANCHORING - Dr Pranita Gulhane
3. STAGE DECORATION -

Prof, P S. Utale
Mr. Manish Deshmukh
Dr. Mes. Seema kadu
De Mis Sugandha Khangar
De. Mrs. P. N. Deshmukh
4. REGISTRATION \& CERTIFICATE DISTRIBUTION

PURE SCIENCES
Dr Gajanan Jadhao
Ms. Shruti Agrawal
MEDICINE AND PHARMACY
Dr Sandeep Dautpure
AGRICLILTLRE AND ANIMAL HUSBANDARY
Dr. Mrs Ragini Dhokne
HUMANITIES, L.ANGUAGES \& FINE ARTS
Ms. Khusboo Sheikh
Dr. Mrs Shilpa Katre
ENGINEERINGAND TECHNOLOGY
Dr. Mrs merabobthbuturete Ms Rarika Tekade of Ms. Pallawi Buthe
COMMERCE MANAGEMENT AND LAW
Ms. Aishwarya Zure
5. ROOM INCHARGE-

ROOM- B9 (Prof Jitendra Gunjate), ROOM-B6-(Dr. Mahesh Phalke), ROOM- B7 (De. Sarang Dhote), BIOLOGY LAB \& FISHERY LAB- (Dr. Ms. Shahin Sheikh). ROOM B12(Dr. Mrs. Shipa Gedam), ROOM-B13 (Dr. Mrs. Kalpana Pawar)
6. POWER POINT PRESENTATION.

Dr Manish Wanjari
Dr. Amol Bodkhe
7. CERTIFICATE PREPARATION

Dr. Mrs. Pushpa Zamarkar
Dr. Mrs: Apurva Fuladi
8. LUNCH-

Dt. V. A. Dakhole
Dr. A. M: Pund
9. BANNER, MEMENTO

Shri Umesh Dhumale
10. NON-TEACHING STAFF FOR 15 AND $16^{27}$ DEC.

Shri Ghagre, Shri Kundalkar, Shri Diwe, Shri Gotmare, Shri Shende, Shri Bhurse, Wankhede. Gupta.


Principal

## राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर



विद्यार्थी विकास विभाग



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& \text { यो प्राथार्य, } \\
& \text { शी शिवाजी विज्ञान महाविद्याहद, } \\
& \text { ₹ंप्रसनगा, नामपूर- } 8800 \text { ? ? }
\end{aligned}
$$

रिपय -- "आविफ्कार २०₹₹-२०" करीता निवड इलेल्या विसाध्यांना माहिती देग्दाबबत
महोदय,
आपणास कलीविण्दात येटे की, आषच्चा महाविद्याएयतोल विद्याथ्यांनी "आविष्कार र०२₹-5र" क्या निजड चाचणी मधं सहभाग पतात्रा होता त्यार्पंको सर्मित दादोनधील विद्यार्यांची राज्यस्नरीय अनिष्फार 207 ₹- २.8 करीता निवड करष्यात आलेली आहे

करीता सल्ननित यादीतील विर्गाथ्टंनो याबाबतयं महितो देउन विधार्यांना मा संचलक, विद्यायी विकार दिभागाशी ल्लरीत सदक साधण्यास लागावे हि चिनती

## Pator.



ड़ाँ मोंश पाटक
सचालक्र, विद्यार्था विकास विभाग

Congress Night. Nagpur- 440 DI MAS. INDIA

To,
The member secretary
Avishkar Convention 2023-2024
(Nagpur and Wardha district)
RTM Nagpur University, Nagpur
Sub :- Submission of Participation fee from students during Avishkar trial 2023 2024 (Nagpur and Wardha district.). on dated 16/12/2023. (25700/- cash)

R/Sir,
RTM Nagpur University Avishkar 2023-2024 trial of Nagpur and Wardha district is hosted by our college on dated 16/12/2023. As per university instructions we have collected the participation fee Rs. 100/- (One hundred) from the participants. In Avishkar trial 257 participants has taken part.

I am here by submitting the total fee collected from participants Rs. $25700=00$ (Twenty five thousand and seven hundred) in cash.

Please accept the same and oblige me.
Thanking you.


Yours Sincerely
Cbelsefte
(A.D. Bobdey)

College coordinator
Avishkar 2023-2024
(Nagpur and Wardha District)
RTMNU Nagpur.

Encl:-

1. Cash of 25700 /-
2. File containing Report, Expenditure, quotation etc.
3. File containing original list of students \& typed list.

Avishkar 2023

1) Dr. P.N. Deshmeh.
$\Rightarrow$ A. D. Fulad'
2) 10r. Pranifa tyulhare
$\Rightarrow \mathrm{Dr} s \cdot V \cdot K$ haragas
3) Des $R-N$ Parmane
4) Dy $\cdot$ S. K. Sayydol
5) Ore. Shilpa. k. tatre
6) Mis. Shrute R. Hgrawal
8. Ms. khushbor. Sheikh.
g) Mr. Mahesh D. Phalke

11) $P r P \cdot 8 \cdot(1+a) e$
12) I.k. Gurjate

13] S.v.Dciutpre
14) A.A. Soetiche
15) M.T. Worijari
16) Dr. GL Jadhav
17) S. H Tekate
8) PiN. Butle
19) गᄁ. Gonn a Kadu


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## AVISIIKAR SELECTION TRIALS \& Work Shop 2023-24

RASHTRASANT TUKADO.I MAHARAJ NAGPUR UNIVERSITY, NAGPUR
Category: Engineering and Technology (ET)
Category: Engineering and Technology
Level 1: Undergraduate Students (UG Sr.No Name of Participants
Shruti Dinesh Ninawe
Rolan Sanjay Fukat
Nadeem Nazir Shekh
Vasu Purushottam Ma
$\alpha$ Puia Rajkumar Bitlaye

Category: Agriculture and Animal Husbandry (AAFI) | Level 1: Undergraduate Students (UG) |  |
| :--- | :--- |
| Sr.No | Name of Particinants |

Sr.No Name of Participants
Category: Commerce, Management and Law (CML)
Level 1: Undergraduate Students (UG)
Sr.No Name of Participants

| Sr.No | Name of Participants | Name of College |
| :---: | :--- | :--- |
| 1 | Bhuvan K. Meshram | Hislop College, Na!pur |
| 2 | Murtaza M. Ali | G.S. College of Commerce, Wardha |
| 3 | Sanjana Jagnade, | Shri Shivaji Science College, Nagpur |
| 4 | Nandini G. Khatri | Kamla Nehru Mahavidyalaya, Nagpur |
| 5 | Madhavi Namdevji Khetade | J.M. Patel College, Bhandara |
| 6 |  |  |

Roshan
Category: Humanities, Languages and Fine Arts (HLFA) Level 1: Undergraduate Students (UG) Sr.No Name of Participants 7888059660 8983902486 9371063139

| Level 1: Undergraduate Students (UG) |
| :--- |
| Sr.No Name of Participants Name of College Requirement <br> 1 Sejal D. Chandekar Mahila Mahavidyalaya, Nagpur Model <br> 2 Kaushal Iqbal Sawan Dadasaheb Balpande college of Pharmacy Nagpur Model <br> 3 Khushi Y. Somkuwar Shri Shivaji Science College, Nagpur Poster <br> 4 Yamya Shrivastav Shri Mathuradas Mohata Science College, Nagpur Poster \& P.P.T. <br> 5 Kavya Shailesh Sharma J.M. Patel College, Bhandara Poster <br> 6    |

Category: Medicine and Pharmacy (MP) Level 1: Undergraduate Students (UG) 794974688
923549078
607329439
284648618 *.
Category: Pure Sciences (PS)
Level 1: Undergraduate Students (UG)
Sr.No Name of Participants Name of College

8766986830 | 8767250476 |
| :--- |
| 7894847 |

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| :--- |
| Poster |
| Poster |
| Poster |
| Model |
| Model \& Poster |
| Poster |
| Poster |

[^0]| Level 1: Undergraduate Students (UG) |
| :--- |
| Sr.No Name of Participants Name of College <br> 1 Arambht Kate Dadasaheb Balpande college of Pharmacy Nagpur <br> 2 Khusboo Mohan Nimje Bajaj College of Science, Wardha <br> 3 Neeraja A. Chopda Nikalas Mahila Mahavidyalaya, Nagpur <br> 4 Snika S. Shiybarikar Nikalas Mahila Mahavidyalaya, Nagpur <br> 5 Ayush N. Hedau Smt. Kishoritai Bhoyar College of Pharmacy, Kampthee, Nagpur <br> 6 Taha Ahamad Ayyaz Ahamad Smt. Kishoritai Bhoyar College of Pharmacy, Kampthec, Nagpur <br> 7 Abhishek S. Dange Hislop College, Nagpur <br> 8 Rajnandini Hemendra Bisen D.B. Science College, Gondia |

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0
AVISHKAR SELECTION TRIALS \& Work shop 2023-24
RASHTRASANT TUKADO.I MAHARAI NAGPUR UNIVERSITY, NAGPUR

\section*{Category: Engineering and Technology (ET) Level 2: Postgraduate Students (PG) <br> | 1 | Arya S. Walode |
| :---: | :--- |
| 2 | Rupesh Chavhan |}

## Category: Agriculture and Animal Husbandry (AAH)

 Level 2: Postgraduate Students (PG)Sr.No Name of Participants
Divya Madhukar Nandanwar
Bhawana S. Dumbhare
Nikita Narendra Charpe
Devyani Pyarelal Shende
Neha Someshwar Hatwar
J.M. Patel College, Bhandara $x$
Category: Commerce, Management and Law (CML)
Level 2: Postgraduate Students (PG)

| Sr.No | Name of Participants | Name of College |
| :---: | :--- | :--- |
| 1 | Shivam Rohankar | G.S. College of Commerce, Nagpur |


| Sr.No | Name of Participants | Name of College |
| :---: | :--- | :--- |
| 1 | Shivam Rohankar | G.S. College of Commerce, Nagpur |

2 Urmila Rajhans Wanjari
3 Dhammadip Sudas Dongare
Category: Humamities, Languages and Fine Arts (HLFA) Level 2: Postgraduate Students (PG)

|  |  |  |  |  |
| :---: | :--- | :--- | :--- | :--- |
| 1 | Vithika Vikas Gupta | Name of College |  | Requirement |
| 2 | Ishita Yogesh Padgil | Dadasahcb Balpande college of Phermacy Nagpur | Poster | 9423923849 |
| 3 | Jitendra Kalambe | Shri Shivaji Science Collcge, Nagpur | Model | 9325135720 |
| 4 | Shabahati Khan | Dadasaheb Balpande college of Pharmacy Nagpur | Poster | $844677 / 438$ |
| 5 | Divya Satish Nawkhare | Shri Shivaji Science College, Nagpur | Model | Poster |

Category: Medicine and Pharmacy (MP) Level 2; Postgraduate Students (PG) | Sr.No | Name of Participants |
| :---: | :---: |

Name of College 7972734809 7420887401
7499981490
8605965053
-9545927283
9209063821
8767903407
AVISHKAR SELECTION TRIALS \& Work shop 2023-24
Ren TUKADOJI MAHARAI NAGPUR UNIVERSITY, NAGP
Category: Engineering and Technology (ET)
Level 3 : : Post PG Students (PPG)

| Sr.No | Name of Participants |
| :---: | :--- |
| 1 | Kartik Ingole |
| 2 | Karnkumar S. Chaudhari |
| 3 | Ramchandra H. Adware |

Category: Commerce, Management and Law (CML)
Level 3 : : Post PG Students (PPG)
(PR)

| Sr.N0 | Name of Participants |
| ---: | ---: |
| 1 |  |

Category: Medicine and Pharmacy (MP)
Level 3 : : Post PG Students (PPG)
Sr.No Name of Participants
Sarita Bawankule
Ruchi Khobragade
Ms. Gayatri H. Tiwaskar
$\frac{\text { Sr.No }}{1}$
Dadasaheb Balpande college of Pharmacy Nagpur
RASHTRASANT TUKADOI
Category: Engineering and Technology (ET)

| Sr.No | Name of Participants |
| :---: | :--- |
| 1 | Kartik Ingole |
| 2 | Karnkumar S. Chaudhari |
| 3 | Ramchandra H. Adware |

Category: Pure Sciences (PS)
Level 3 : ; Post PG Students (PPG)

| Sr.No | Name of Participants | Name of College | Requirement |
| :---: | :--- | :--- | :--- |
| 1 | Rema S. Siddhu | L.A.D. College for Woman, Nagpur | Poster |
| 2 | Swapnil R. Mouje | Hislop College, Nagpur | Poster |
| 3 | Rohit S. Madankar $\quad$ M | S.K.P. College, Kamthee | Poster |
| 4 | Ganesh C. Wandile | Mathuradas Mohata College, Nagpur | Poster |


| अविष्कार २०२३-२४ घ्या अंतिम निवड चाचणी व कार्यशाळेकरिता परिषक व मार्गदर्शकांची यादी. |  |  |  |
| :---: | :---: | :---: | :---: |
| परिशिष्ट सुर्ची |  |  | मार्गदर्शक |
| अनु क्र. | शाखा | अंतिम | मार्गदर्शक |
| \% | विज्ञान | डॉ. हेमंत पांडे | डॉ. नानोटी |
|  |  | डॉ. देवाशीष भौमिक |  |
| २ | मानव्यशास्त्र | डॉ. विवेक दिवान | डॉ. मंजुश्री सरदेशपांड़ |
| ३ | इंजीनीयर्रीग | डॉ. संतोष जाजु | डॉ. अनंत पांडे |
|  |  | डों. संदीप खेडकर |  |
| $\gamma$ | कॉमर्स | डॉ. मल्हार कोल्हटकर | डॉ. संजय कविश्वर |
|  |  | डॉ. गोविंद भट्टा |  |
| 4 | वैद्यकीय | डॉ. निलेश महाजन | डॉ. निशिकांत राउत |
| ६ | कृषी | डॉ. पंदना मडके |  |



AGRICULTURE \& ANIMAL HUSBANDARY


## To

The Principal
SSES Amt's Science College
Nagpur
Subject: Expenditure spent duting the hosting of RTMNLI Avishkar 2023-2024 in college. On dated 16/12/2023 (Nostyur \& whenotha chisthet)

Respected Sir,
Kindly find attached here with the expenditure spent during the organization of Avishkar Convention of RTMNU 2023-2024 in college on dated 16/12/2023.
The details of expenditure is as given

| S.No. | Perticulars | Quantity No. | Cost per <br> Item in Rs. | Total cost in Rs. | Voucher No. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Files | 25 | $18=00$ | $450=00$ | 1 |
| 2 | Cello Tape bundles | 6 | $22=00$ | $1.32=00$ |  |
| 3 | Photo Paper | 25 | $4=00$ | $100=00$ |  |
| 4 | Ball pens | 12 | $10=00$ | 120.00 |  |
| 5 | Double side tape small | 2 | $10=00$ | $20=00$ |  |
| 6 | Exam puds | 12 | $13=00$ | $516=00$ |  |
| 7 | Sissor | 01 | $90=00$ | $90=00$ | 2 |
| 8 | Pen box | 03 | 120-00 | $360=00$ | 2 |
| 9 | 2 way tabe big | 10 | $50=00$ | 500-00 |  |
| 10 | Sticker paper | 02 pkt | $390=00$ | $780=00$ |  |
| 11 | Markerpen | 10 | 10=00 | $100=00$ |  |
| 12 | Jixo tape | 30 small | $10=00$ | $300=00$ |  |
| 13 | Ribbon | 01 meter | $20=00$ | $20=00$ |  |
| 14 | Black printer ink | 01 | $410=00$ | $410=00$ |  |
| 15 | White bed sheets | 140 | $30=00$ | 4200-00 | 3 |
| 16 | Spider plants with pot | 7 | 85-00 | $595=00$ | 4 |
| 17 | Mosquitto repellent | 1 | $95=00$ | $95=00$ | 5 |
| 18 | Flower Bouqut |  |  | $650=00$ | 6 (oftice) |
| 19 | BanneriCertificate |  |  | $3930=00$ | 7 (office) |
| 20 | Memento | 3 |  | $2400=00$ | 8 (office) |
| 21 | Lunch 300 plates | 300 plates |  | 45000/- | $\frac{8 \text { (office) }}{9 \text { (office) }}$ |
| Total - Sixty thousand five hundred sixty eight |  |  |  | 60568/- | 9 (office) |

Please Sanction the same and oblige me.
Tharking you.

Yours Sincerely

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NGinpla Awank dor.

## Princrpal

## AAhVG/B7/01

RASHIRASANI ILRADEM MAHARAJ NAGPUR UNIVERSITY. NAGPUR A ishkar Camention 2023. 24 (Schection Trials) (1.6 Natharashtra State Inter Liniversity Restarch Convention 2023-24) Aoplication Form


CIRTIFKC:IT
This to eertify that the intorination fumished above is surnet as per the oftice records. If the information firnished above found insurect/falsemisisading, the jarticipant student will be tembinated form the event at any stage of competition

# PERPETUAL WATER PUMP FOR IRRIGATION <br> Sanskruti zade*, Dr: Ajay pise <br> Dadasaheb balpande college of pharmacy M agpur <br> e-mail: zanskruitzadetionail.com 


#### Abstract

: In regions where electricity costs pose a significant burden on farmers and where the erratic availability of power hinders agricultural activities, a pressing need arises for an alternative, cost-effective irrigation solution. This paper introduces the concept of a "Perpetual Water Pump" designed to address the challenges assoclated with conventional electric and sclar-powered pumps. The Perpetual Water Pump is a groundbreaking innovation that eliminates dependency on electicity gnds and circumvents the $\mathrm{Figh}^{\mathrm{ig}}$ upfrout costs associated with solar pumps. The system harnesses self-generated energy through a wind turbine motor, proviting a reliable and continuous source of power for water pumping. By leveraging swind energy, the perpetual water pumpensures irrigation access even in areas with inconsistent or no electrical supply:

Moreover, the pump boasts an eco-friendy design, minimizing water wastage typically seen in conventional irrigation systems. The perpetual water pump prioritizes efficiency by aligritg water usage with crop requirements, contributing to sustainable farming practices and eavironmental conservation. One of the key advantages of this system is its portability, allowing farmers to move the pump easily across fiedds as needed. The affordability of the perpetual water pump makes it an accessible solution for small and medium-scale farmers, empowering them with a reliable and cost-effective tool to enhance agricultural productivity

In conclusion, the perpetual water pump offers a sustainable and affordable alternative to conventional irrigation methods, addressing the challenges associated with expensive electricity and the limitations of solar power, By harnessing wind energy, this innovative solution ensures year-round imigation, minimizes water wastage, and contributes to the overall resilience and productivity of agricultural commun ities.





[^0]:    Requirement
    Model
    Model
    Poster
    Poster
    Poster
    Poster
    Poster Poster

