

# SCHOLARSHIP PROGRAM FOR WOMEN IN CHEMISTRY & ALLIED AREAS

The program aims to support women students from marginalized communities/ low-income groups in Maharashtra to pursue education & career opportunities in research & entrepreneurship in New Materials, Pharmaceuticals, Basic Chemistry, Medicinal Chemistry, Agro-Chemicals, Specialty Chemicals, Sustainability, and allied areas.

**CALL OPENS 15<sup>th</sup> MAY 2024**  
**CALL CLOSES 25<sup>th</sup> AUGUST 2024**

## PROGRAM OFFERINGS



Industry Visits



Entrepreneurial  
Skill Development



Peer-to-Peer  
Networking



Mentorship by Women  
Role Models



Financial Support\*

Qualification of the selected candidate	Scholarships & Grants
<ul style="list-style-type: none"> <li>Women Pursuing Undergraduate Degrees in Science &amp; Engineering (UG)</li> </ul>	Up to 10,000 INR/month, for 3 months
<ul style="list-style-type: none"> <li>Women Pursuing Post-graduate Degrees in Science &amp; Engineering (PG)</li> </ul>	Up to 15,000 INR/month, for 6 months
<ul style="list-style-type: none"> <li>Early Stage Women Entrepreneurs</li> </ul>	Prototyping grant up to 2 Lakhs INR & Scholarship up to 15,000 INR/month, for 6 months

## ELIGIBILITY

### a. Scholarship Program Category A (Academic Research Project)

- Women in Final year of graduate program (B.Sc./ B.Tech./ B. E./ B. Pharm. and equivalent degree)
- Women in Final year of the graduate program (M. Sc./ M. Tech./ M. E./ M.Pharm. and equivalent degree)

### b. Scholarship Program Category B (Entrepreneurship - Product development & Prototyping)

- Women keen on pursuing full-time entrepreneurship within one year of completion of graduate/ postgraduate degree
- Women pursuing Ph.D. where the research is associated with product or prototype development (in first or second year)



## PROGRAM DETAILS



Scan QR code for program details, guidelines and application process.

Application Form Link:  
<https://bitly.cx/Hp1>

## महिलांसाठी शिष्यवृत्ती उपक्रम रसायनशास्त्र आणि संबंधित क्षेत्रांमध्ये

हा कार्यक्रम महाराष्ट्रातील वंचित समुदायांतील/कमी उत्पन्न गटातील महिलां विद्यार्थिनींना शिक्षण आणि करिअरच्या संधी साधण्यासाठी पाठबळ प्रदान करतो. हे पाठबळ अप्लाईड नॅचरल सायन्सेस, स्पेशॅलिटी केमिकल्स, ऍग्रो-केमिकल्स, न्यू मटेरिअल्स, फार्मा-मेडिसिनल केमिस्ट्री, आणि सस्टेनेबिलिटी ह्या क्षेत्रांमध्ये संशोधन आणि उद्योजकतेच्या संधी उपलब्ध आहेत.

प्रवेशिका सुरु होण्याची तारीख: 15<sup>th</sup> MAY 2024

प्रवेशिका स्विकारण्याची अंतिम तारीख: 25<sup>th</sup> AUGUST 2024

### उपक्रमाची रुपरेषा

-  उद्योग कंपनींना भेट
-  उद्योजकीय कौशल्य विकास
-  नेटवर्किंग
-  आदर्श महिलांद्वारे मार्गदर्शन
-  आर्थिक मदत

• पदवीपूर्व शिक्षण विज्ञान आणि अभियांत्रिकी मध्ये घेत असलेल्या विद्यार्थिनी (UG)	३ महिन्यांसाठी रु १०,००० / प्रती महिना
• पदव्युत्तर शिक्षण विज्ञान आणि अभियांत्रिकी मध्ये घेत असलेल्या विद्यार्थिनी (PG)	६ महिन्यांसाठी रु १५,००० / प्रती महिना
• सुरुवातीच्या टप्प्यातील महिला उद्योजक	रु २ लाख पर्यंत अनुदान आणि ६ महिन्यांसाठी रु १५,००० / प्रती महिना शिष्यवृत्ती

### शैक्षणिक पात्रता

#### शिष्यवृत्ती कार्यक्रम A - शैक्षणिक संशोधन प्रकल्प

पदवी अभ्यासक्रमाच्या अंतिम वर्षातील विद्यार्थिनी (B.Sc. / B.Tech./ B. E./ B. Pharm. आणि अनुरूप पदवी)

पदव्युत्तर कार्यक्रमाच्या अंतिम वर्षातील विद्यार्थिनी (M.Sc./ M.Tech./ M.E./ M. Pharm. आणि अनुरूप पदवी)

#### शिष्यवृत्ती कार्यक्रम B - उत्पादन प्रोटोटाइप विकास

पदवी/पदव्युत्तर पदवी पूर्ण केल्यानंतर एक वर्ष पूर्णवेळ उद्योजकतेचा अभ्यास करण्यास इच्छुक विद्यार्थिनी



### कार्यक्रम तपशील



प्रोग्रॅमच्या मार्गदर्शन आणि अर्ज प्रक्रिया साठी QR कोड स्कॅन करा

अर्जाची लिंक: <https://bitly.cx/Hp1>



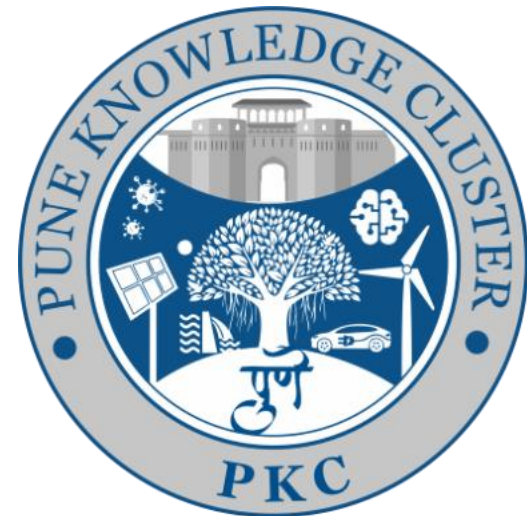
**Registration Link:**

<https://forms.gle/ySqthSx5yFvoG6oN6>

**Registration QR Code**



# Pune Knowledge Cluster



सत्यमेव जयते

Office of Principal Scientific Adviser  
to the  
Government of India



# About Pune Knowledge Cluster (PKC)



- ❑ Established by the Office of Principal Scientific Advisor, Govt. Of India in 2020 under The City Knowledge and Innovation Cluster Initiative (CKICI)
- ❑ 1 of 7 Knowledge Cluster Initiatives in India
- ❑ Hosted by The Inter-University Center for Astronomy & Astrophysics, Pune (IUCAA)

## Vision

The Pune Knowledge Cluster (PKC) aims to bring together academia, R & D institutions and the Industry of Pune and its surrounding areas, to address challenging problems of the region through innovative means, using scientific knowledge and engaging highly skilled human resources

## Mission

To act as a catalyst to bring together the large talent pool present in Industry, Academia, Government and non-Governmental organizations of Pune to brainstorm, discuss and identify projects of importance and of value to the region and to execute them through collaborative efforts

# PKC Team – Leadership



**Prof. Ajit Kembhavi**  
Co- Founder, PKC  
Emeritus Professor, IUCAA  
Former Director, IUCAA



**Prof. L.S. Shashidhara**  
Co-Founder, PKC  
Director, National Center for Biological Sciences



**Prof. Raghunathan Srianand**  
Chair, PKC Board  
Director, IUCAA



**Dr. Raghunath Mashelkar**  
Chairman, PKC Advisory Committee



**Ms. Rashmi Urdhwarshre**  
Board Member PKCF  
President, SAE India  
Ex-Director, ARAI



**Prof. Somak Raychaudhury**  
Vice Chancellor, Ashoka  
University



**Dr. Shekhar Mande**  
Distinguished Professor, Bioinformatics  
Center, SPPU  
Former Director General, CSIR



**Dr. Priya Nagaraj**  
CEO, PKC  
PhD Biology, Univ of Virginia

# PKC Focus Areas



*Sustainability &  
Environment*



*Sustainable  
Mobility*



*Health*



*Big Data & AI*



*Capacity  
Building*



# SCHOLARSHIP & MENTORSHIP PROGRAM

FOR WOMEN IN CHEMISTRY & ALLIED AREAS

Implemented By



Supported By





# ABOUT THE PROGRAM

**WEnyan** is a scholarship and mentoring program for supporting women in Chemistry and allied areas.

The program aims to provide financial support, in terms of scholarships and prototyping grants, to girls from marginalized communities/low-income groups, in Maharashtra who want to carry out research in Chemistry and allied areas.

## **Domain Focus Areas**

- **Fuel Cells/Batteries**
- **Fundamental Chemistry**
- **Environment and Sustainability**
- **Pharmacology/Drug Discovery**
- **Material Science**
- **Herbal Formulations**
- **Nutraceutical**
- **Agro-Chemistry**

# Objectives

**To increase enrolment of women in higher education STEM programs.**

**To reduce dropout rates of women post-graduation.**

**To skill women in high end scientific techniques; training/orientation for innovation in STEM, making them employment ready.**

**To promote women-led, science-based start-ups.**

**To create a supportive ecosystem for women in science to build professional networks and mentoring groups**

**To meet women role models and**

**Overall benefit from peer to peer learning and develop leadership skills.**

# Program is designed to support

Women students in Final year of under graduate program  
**(B.Sc. / B.Tech./B.E./ B. Pharm. & equivalent degree)**

Women students in Final year of the post graduate program  
**(M.Sc./M.Tech./ M.E./ M. Pharm. & equivalent degree)**

Women who have Completed Under-graduation or Masters and  
**want to pursue entrepreneurship**

# Program Offers

**Funding Support**

**Interaction with Role Models**

**Peer to peer networking**

**R&D lab and Industry visits**

<b>Criteria for selection: Girls from marginalized communities/low income groups in Maharashtra</b>		
<b>Final year of Undergraduate (UG) program</b> B.Sc. / B.Tech./ B.E. / B. Pharm. & equivalent degree	<b>Final year of the Post-Graduate (PG) program</b> M.Sc./ M.Tech./ M.E./ M. Pharm. & equivalent degree	<b>Post Bachelors/Masters Completed</b> B.Sc. / B.Tech./B.E./ B. Pharm. & equivalent degree <b>OR</b> M.Sc./M.Tech./ M.E./ M. Pharm. & equivalent degree <b>OR</b> PhD
Research project in Labs	Research project in Labs	Entrepreneurship
3 months	6 months	6 months (extendable by 3 months)
Scholarship: 10,000 INR /month	Scholarship: 15,000 INR/month	Scholarship: 15,000 INR/month Prototyping grant: Up to 2 Lakhs

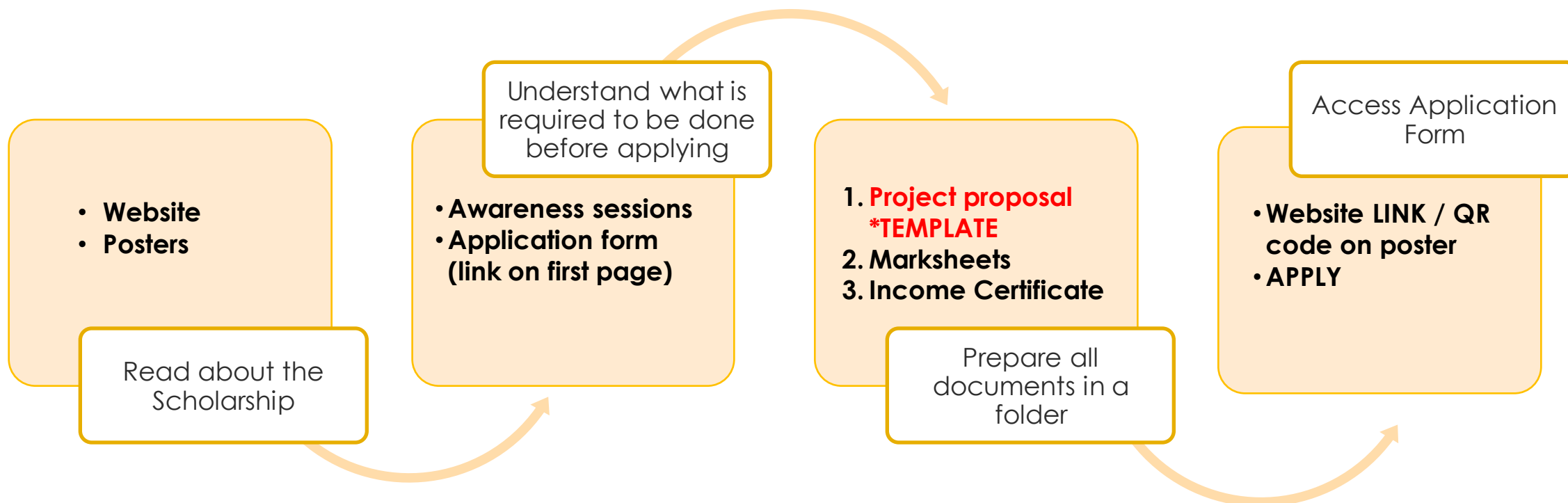
**APPLY NOW**

**Call Opened on 15th May 2024**

**Call Closes on 25th August 2024**



# Workflow for application



# Timeline

- **Call Opens** 15 May 2024
- **Call Closes** 25 August 2024

- **Screening | Committee Presentation date informed**  
1 September 2024

- **Committee evaluation | Announcement of Results**  
5 October 2024

- **Due Diligence | Milestone Setting | Start of the Project**  
1 November 2024

# Criteria for selection (Application process)

**Candidate may meet some of these requirements if not all**

- Student's grades and performance in the Undergraduate/Master's program
- Scientific evidence and rationale provided in support of the project
- Student's scientific interests beyond the project
- Student's interest in pursuing a career in research/science-based entrepreneurship/industry
- Time commitment to the project (project should be pursued full-time)

## Application Process

### Call Opens:

- ❑ Student applies for the call with a PI and an identified Project (category A)
- ❑ Entrepreneur applies with a product idea in mind OR with generated PoC (category B)

## Pre-application assistance provided by PKC

- ❑ PKC Team identifies institutions in Pune/Mumbai which can accept external students
- ❑ PKC Team facilitates connecting students to these institutions and prospective PIs
- ❑ If early stage entrepreneurs need connects to an Incubation centre, PKC team can facilitate match making

## Project Monitoring

- ❑ Project will be monitored regularly by the Project monitoring committee
- ❑ Funds will be disbursed based on the milestones achieved



# Mentorship: Role Model Talk Series and Networking Sessions

Interactive sessions with Women leaders in Chemistry, Entrepreneurship and Allied industries

- Conducted once a month session
- Free for all to attend

Candidates can meet with domain experts, industry professionals and entrepreneurs to get insights on their projects

In person group networking sessions with peers and women mentors



# Useful activities

- **Workshops on CV writing**
- **Workshops on Proposal writing**
- **Workshops on IPR**
- **Periodic Project updates for removing bottle necks**
- **Preparing project budget for accounts related paper-work**

## Know more about WEnyan

**When:** 17<sup>th</sup> May 2024 to every Friday till 19<sup>th</sup> August 2024, 4:30 pm - 5:30 pm

**Where:** **Online Platform**

Join the session using the following Zoom details  
(तुम्ही खालील Zoom तपशील वापरून सत्रात सामील होऊ शकता)

Meeting Link: <https://us06web.zoom.us/j/81272598382?pwd=fvaJyCPi22ukFw7O7hDk5xxfoPbApa.1>

Meeting ID: 812 7259 8382

Passcode: 663659

### Session will cover:

- Offerings of WEnyan Program (शिष्यवृत्ती कार्यक्रमाबद्दल तपशील)
- Application process (अर्ज प्रक्रिया)
- Address queries from participants (शंकांचे निराकरण)

We look forward to seeing you in the session!

**For more details visit**

**[www.pkc.org.in](http://www.pkc.org.in)**

**Write to us at**

**[wenyan@pkc.org.in](mailto:wenyan@pkc.org.in)**

**Contact number**

**7823892474**

# Do RESEARCH to have a practical experience, to learn why we need to

- Study well – means to have strong fundamentals in the subject
- Add on unique and new skillset to your work experience
- Building a network



While planning a research activity we must write a **research proposal** to communicate

- What will you do? How will you do? How much time will it take?

# Elements about your research to communicate

## FACTS

- Subject knowledge and strong fundamentals
- What do you want to do? And what is the NOVELTY of your research?
- Time for doing the work (3 months or 6 months)
- Money ( especially if you are looking to fund the research)

## VARIABLES

- Facility
- Outcome

(The completed project proposal should not exceed 5 pages)

# WEnyan Proposal has a format - *TEMPLATE* (submit it with your application)

- Introduce your research - **TITLE**
- Why do you want to do this research? - **PROBLEM QUESTION**
- What approach will you take? - **DESCRIBE WHAT WILL BE DONE**
- How will you achieve the results you need? - **OBJECTIVES**
- What will this work tell you in the end? - **OUTCOME**
- When will you start working? – **PROPOSED START DATE**
- How much time will the execution of the project take? - **DURATION**

<b>Name of the student:</b>	Shital Nagpure
<b>Name of the college:</b>	Fergusson College Rd, Shivajinagar, Pune, Maharashtra 411004
<b>Title of the Project</b>	Formulation and evaluation of antimicrobial cream from waste lemon peels.
<b>Details of the project</b> <b>Please provide answers to Q a, b, c separately.</b>	
a. The <b>problem or the question the project aims to answer.</b>	<p>The aim of this project is to utilise waste lemon peels for <u>developing an antimicrobial formulation.</u></p> <p>A large amount of lemon peels is generated from citrus processing industries. The citrus peel extracts and essential oils are known to exhibit various biological activities. This by-product can be used for sustainable processing of waste into useful compounds.</p> <p>Through this project we would like to analyse the <u>feasibility</u> of the process and the <u>efficacy</u> of the <u>antimicrobial cream developed.</u></p>
b. Describe what will be done in the project	<ul style="list-style-type: none"> <li>• <b>Plant material will be collected</b></li> <li>• <b>Phytochemical screening will be done</b> to check the presence/absence of various active metabolites</li> <li>• <b>Biological activities will be checked</b></li> <li>• <b>Antimicrobial and antifungal activities will be studied</b> using microorganisms like <i>Staphylococcus aureus</i> and <i>Escherichia coli</i>.</li> <li>• <b>Formulation development will be done</b> by referring ideal procedure.</li> </ul>

<b>C Project objectives</b>	<ol style="list-style-type: none"> <li>1. Measurement for oil extraction efficiency</li> <li>2. Chemical/antimicrobial analysis of extract</li> <li>3. Formulation of antimicrobial cream</li> <li>4. Analysis for potential adverse effects</li> </ol>
<b>Possible outcomes of the Project</b> (could be one or more)	<ol style="list-style-type: none"> <li>1. Efficient industrial waste management</li> <li>2. Formulation of herbal, antimicrobial cream</li> </ol>
<b>Proposed starting date</b>	1 September, 2023
<b>Duration of the project (in months)</b>	3 months

# CHARACTERISTICS OF A GOOD PROPOSAL



*A good research proposal should be written in a way that it shows that the research work has:*

- NOVELTY
- REALISTIC OBJECTIVES

*and is based on*

- CORRECT INFORMATION / SCIENTIFIC DETAILS





## IMPORTANT INSTRUCTIONS : APPLYING

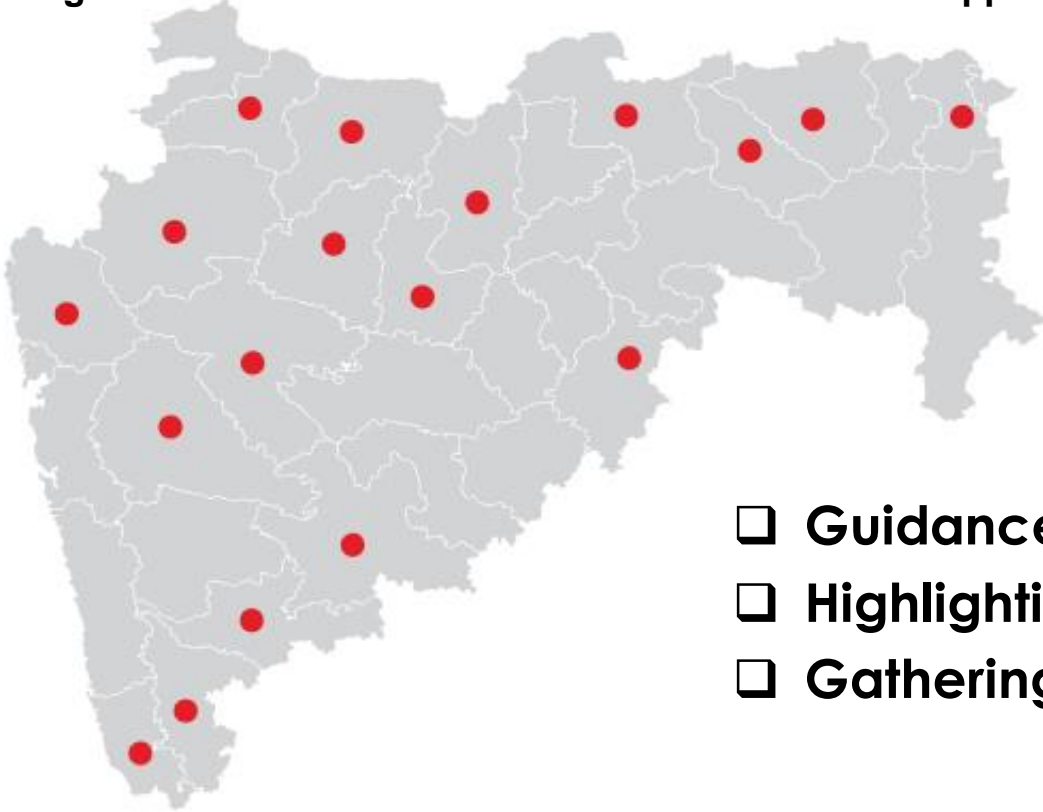
### DOs and DON'Ts

- Submit documents in correct format** – PDF / Word doc/ JPEG / PNG
- Be ready with all documents to be uploaded before starting to fill online form**
- Get your important certificates updated**  
like Marksheets/CV/ valid Bank account with KYC completed and Income certificate/ Personal verification documents
- Fill in correct information (NO FALSE DATA)**
- DO NOT use INVALID documents**  
Someone else's CV or Project or Thesis / Photographs of flowers or Gods  
➤ Strict action will be taken against candidates who upload such kind of documents

**A PROGRAM THAT HAS BEEN SUCCESSFUL IN  
THE PAST 2 YEARS**

# Awareness sessions conducted actively

49 girls from 16 districts of Maharashtra have been supported by the program



To encourage and motivate women to apply

- Guidance for applying
- Highlighting program benefits
- Gathering teachers' support



# R&D lab and Industry visits

**BASF, Mumbai**



**Venture Centre, Innovation Park, Pune**



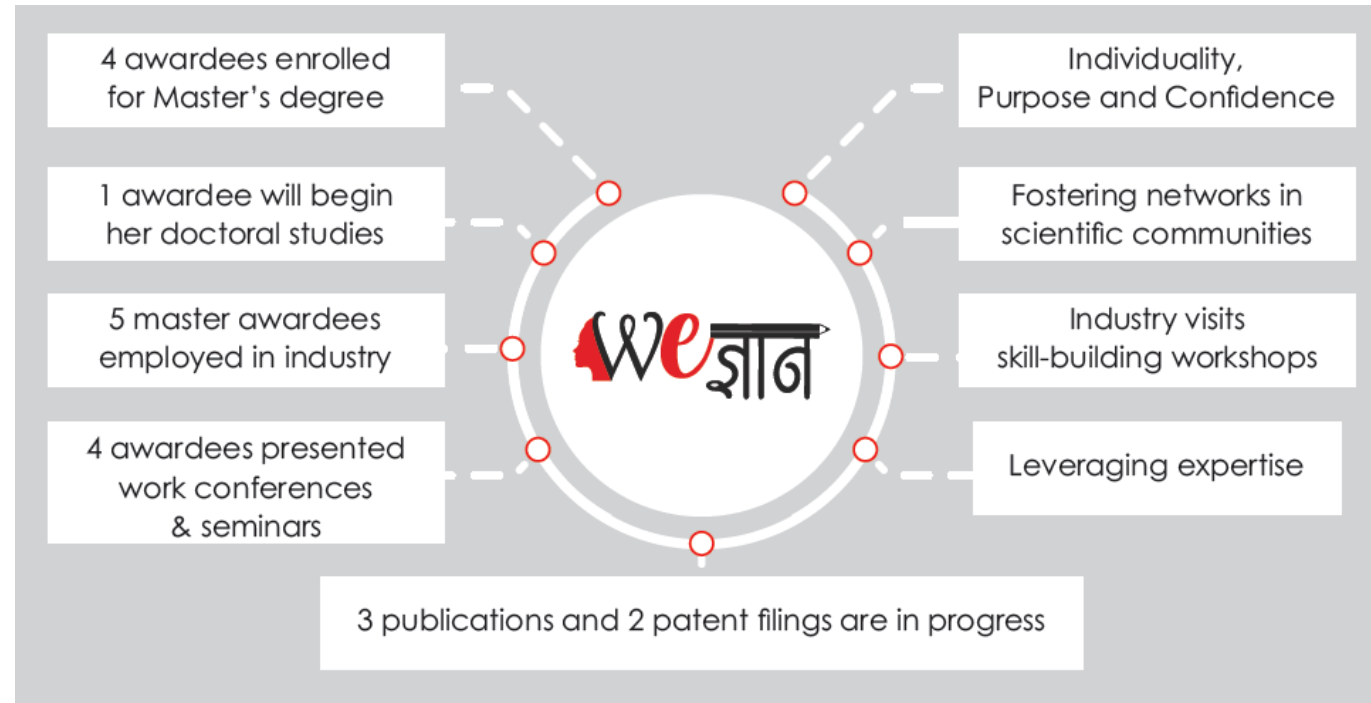
**Eternis Fine Chemicals Ltd.,  
MIDC Kurkumbh,  
Daund**



**NCL, Pune**



# Promising outcomes



## APPLICATIONS

**684** Applications received  
**255** Undergraduates  
**344** Postgraduates  
**63** Doctoral students  
**30** Districts



## BENEFICIARIES

**49** Grantees  
**20** Undergraduates  
**21** Postgraduates  
**8** Doctoral students  
**16** Districts



## MENTORSHIP & CAPACITY BUILDING

**110** Mentoring hours  
**32** Mentors onboarded  
**5** industry visits  
**9** Role Model Talks  
**4** Skill Building workshops

# WEnyan Awardees 2022- 23 (Round 1)





**Gayatri S. Mohanty**

VES College of Arts,  
Science and Commerce,  
Mumbai



**Komal R. Pawar**

Prin. K. M. Kundnani  
College of Pharmacy,  
Mumbai



**Vishnavi D. Chachane**

Arvinbhabu Deshmukh  
Mahavidyalaya  
Bharsingi, Nagpur



**Tejal D. Nandankar**

Ajeenkya D Y Patil  
University, Pune

## Bachelors scholarship 2022-23

(7 girls)



**Kavita D. Gowda**

VPM's B.N. Bandodkar College  
of Science, Thane



**Prashika S. Shinde**

Mula Education Society's  
College of Pharmacy, Sonai,  
Ahmednagar



**Nikita S. Dadhich**

Sanjay Ghodawat University,  
Kolhapur



**Prabhjot Kaur Bole**

Guru Nanak Khalsa College of  
Arts, Science & Commerce,  
Mumbai



**Sanjyot S. Pote**

Guru Nanak Khalsa College of  
Arts, Science & Commerce,  
Mumbai



**Suchita R. Helaskar**

R. C. Patel Institute of  
Pharmaceutical Education  
And Research, Shirpur, Dhule



**Shivani Makhijani**

R. C. Patel Institute of  
Pharmaceutical Education  
and Research, Dhule



**Anjali K. Bhonge**

G. S Science, Arts &  
Commerce College,  
Khamgaon, Buldhana



**Swapnali S. Gawas**

Yashwantrao Bhonsale  
College of Pharmacy,  
Sawantwadi, Sindhudurg



**Dhanashree R. Kharat**

R.C. Patel Institute of  
Pharmaceutical Education  
And Research, Shirpur



**Neeti N. Rangnekar**

Guru Nanak Khalsa College of  
Arts, Science and Commerce,  
Mumbai



**Abhilasha U. Deshpande**

Shivaji University, Kolhapur



**Apeksha G. Bawake**

Savitribai Phule Pune  
University, Pune

## Masters scholarship 2022-23

(10 girls)



## WEnyan Awardees 2022- 23 (Round 1)

### Entrepreneurship Scholarship 2022-23

(4 girls)



**Prachiti P. Raul**

Guru Nanak Khalsa College of Arts,  
Science and Commerce, Mumbai



**Neha P. Ghodke**

Department of Physics, Savitribai  
Phule Pune University, Pune



**Neha T. Kuity**

S K Somaiya College, Somaiya  
Vidyavihar University, Mumbai



**Suvarna S. Jarande**

All India Shri Shivaji Memorial Society's  
College of Pharmacy, Pune

# WEnyan Awardees 2023- 24 (Round 2)



## Bachelors Scholarship 2023-24

(13 girls)



**Fasha D Lachake**

MVPs, Arts Commerce and  
Science College,  
Tryambkeshwar



**Sakshi A Patil**

DDSP Arts Commerce and  
Science College, Erandol



**Diksha Y Domde**

Seth Kesarimal Porwal  
College of Arts, Science &  
Commerce, Kamptee



**Shubhangi A Jadhav**

New Arts Commerce  
and Science college,  
Parner



**Baleshwari A  
Shirodiya**

Arvindbabu Deshmukh  
Mahavidyalaya,  
Bharsingi



**Priyanka D Umale**

Datta Meghe College  
of Pharmacy, Wardha



**Prajakta S Kavitate**

Baburao Patil College  
of Arts and Science,  
Angar



**Bhagyashri B Zaware**

New Arts, Commerce  
and Science College,  
Parner



**Velankanni Jessika  
Nadar**

SVKM's Mithibai  
College of Arts,  
Chauhan Institute of  
Science & Amrutben  
Jivanlal College of  
Commerce and  
Economics  
(Autonomous)



**Simran K Barve**

Seth Kesarimal Porwal  
College, Kamptee



**Mayuri R Gawade**

Yashwantrao bhonsale  
college of pharmacy,  
Sawantwadi



**Rasika R Patil**

Dr.Ghali College,  
Gadhinglaj



**Sayali S Wadar**

Rajarambapu College  
of Pharmacy,  
Kasegaon



**Rutuja G Yadgire**

G.S Science, Arts and  
Commerce College,  
Khamgaon



**Vaishali L Lase**

Government institute  
of Science,  
Aurangabad



**Sharvari R Wagh**

MVP Samaj's K. K.  
Wagh Art's, Science  
and Commerce  
College, Pimpalgaon



**Laxmi T Mandiye**

Seth Kesarimal Porwal  
College, Kamptee

## Masters Scholarship 2023-24

**(11girls)**



**Priti R Singh**

The Institute of Science, Dr.  
Homi Bhabha state  
university, Mumbai



**Pranjali P Kale**

Savitribai Phule Pune  
University, Pune



**Kirti V Patil**

Sanjay Ghodawat University,  
Kolhapur



**Rutuja P Waman**

Sahakar Mahrshi  
Bausaheb Thorat Arts,  
Commerce and  
Science College,  
Sangamner



**Siddhi A Awate**

R.C.Patel Institute of  
Pharmaceutical  
Education and  
Research, Shirpur



**Yasmin T Pathan**

G.S.Science, Arts &  
Commerce College,  
Khamgaon



**Vishakha S Ipar**

R.C.Patel Institute of  
Pharmaceutical  
Education and  
Research, Shirpur

## WEnyan Awardees 2023- 24 (Round 2)

### Entrepreneurship Scholarship 2023-24

(4 girls)



**Rujuta R Chavan**

Guru Nanak Khalsa College Of Arts,  
Science & Commerce



**Dipashri D Malkhede**

R.C. Patel Institute of  
Pharmaceutical Education and  
Research, Shirpur



**Anjali R Mali**

Sophia College, Mumbai



**Dipali M Ghone**

Savitribai Phule Pune University,  
Pune

**THANK YOU !!**