



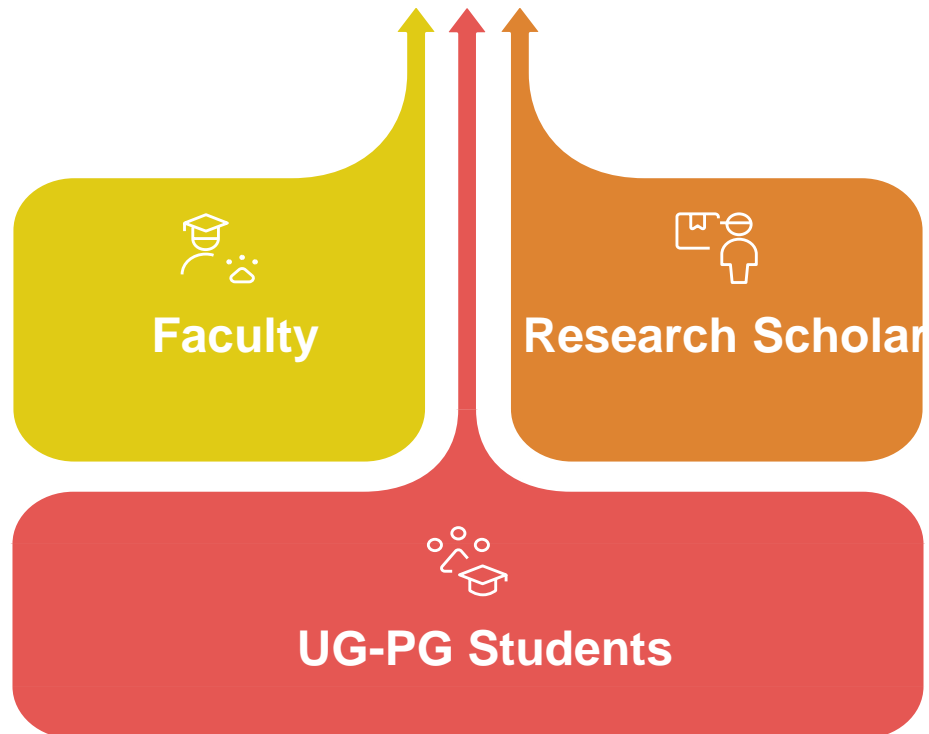
Gokhale Education Society's HPT Arts and RYK Science College



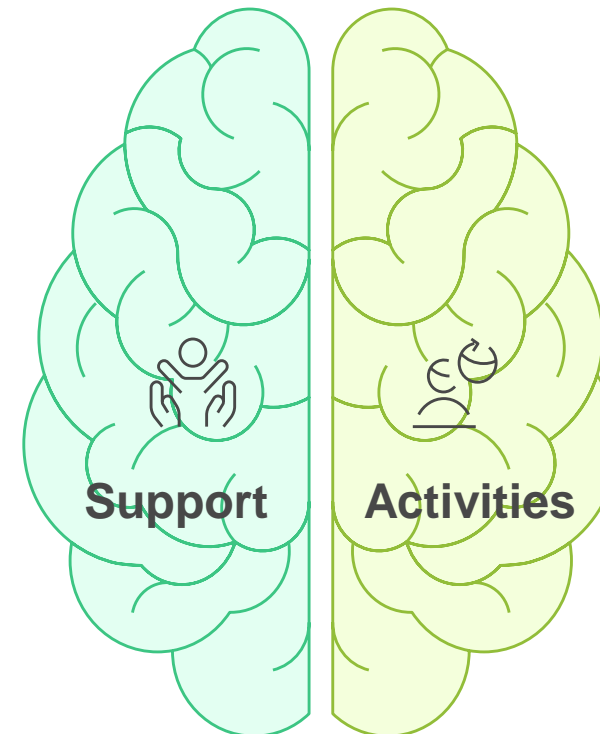
Research Facilities of the institution, Research related to IKS, IPR facilitations, Incubation centers and other facilitations for knowledge creation/enhancement and transfer with outcomes and its evidences

Time: 12:45 pm -13:00 pm

Research Facilities of the Institution



Enhancing Research Capabilities



Research Ecosystem for Students and Faculties

Curious Minds
(Science Association)

IPR Cell

Focuses on
intellectual property
rights and ethical
conduct.

IKS

**Inter-departmental,
Inter-college
Research facilities**

Guest lectures

**Workshop, Seminar
and
Conference**

**Research Project
Competition
(Avishkar)**

**Research Paper
presentations**

Field Visits

OJT

**Dissertation
Evaluation**

MoU

**Staff
training**

Programs designed
for staff skill
development.

**Research Center
(total:7 + approved:2)**

**Financial Support
(Conference and
chemical
expenses)**

**Scientific and Content
Writing, Publication
and Promotion**

In-house Publication
Swayamprakash, Resonance,
Green minds and Shraddha

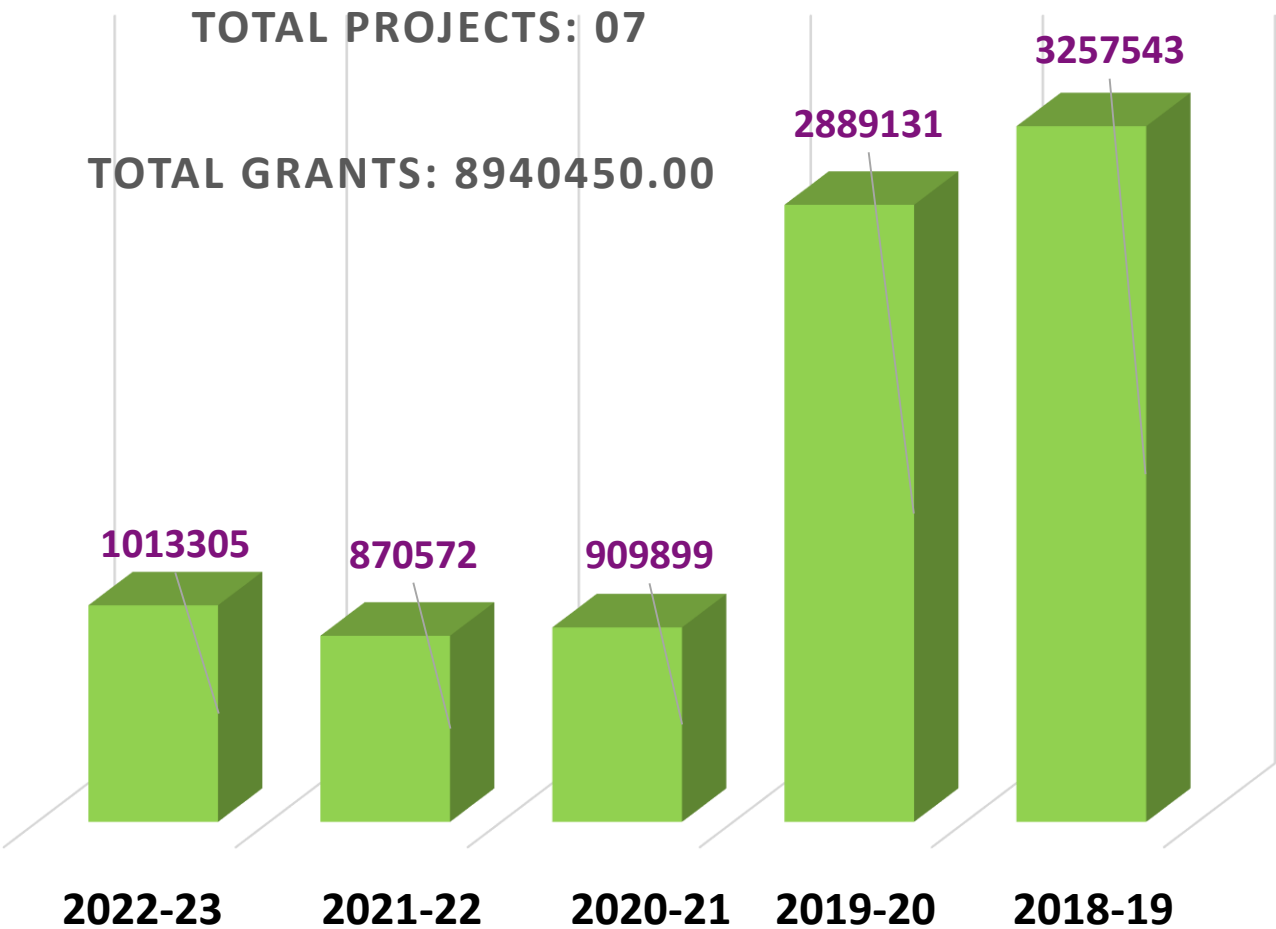
Research Facilities and Financial Supports:



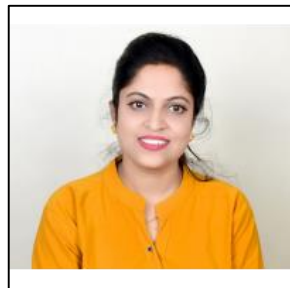
COLLEGE TO THE DIFFERENT DEPARTMENTS AND TEACHERS TOTAL GRANTS FROM GOVT. AND NON GOVT. AGENCIES

Name of Facilities	Expenses
23 Computers (Hi-tech) and related materials	1153269.00
Chemicals, Apparatus, Instruments, Tests & Experiments, IT Infrastructure, and Practical materials, services etc.	6163912.00
Expenses for Conferences to the faculties	24069.00
Total	7341250.00

No. of Ph.D. Students: 69



Sr. No.	Student's Name	Start-up Venture	Platform provided by college
1.	Dr. Anita Handore	Phytoelixir	Research and IPR
2.	Dr. Tahsin Kazi	Dr. Ragi	Research, Innovation and IPR
3.	Ms. Ruchita Panchbhai	Krushnadwaypayan Gurukul	IKS and IPR
4.	Mr. Vedang Joshi	Centre for Research in Indian Archeology Arts and Sciences	IKS and IPR
5.	Mr. Chaitanya Gaidhani	Hastlekhyam	IKS



Dr. Anita Handore (M.Sc.Ph.D.)
Education: HPT Arts & RYK Science
Ph.D. – Year – 2020 SPPU
 Incharge, Research and Development
 Department, Sigma Wineries
 Pvt.Ltd., Nashik

Innovation based Biotech Start-up

Founder and Chairman ,PhytoElixir Pvt Ltd.

<https://www.zaubacorp.com/PHYTOELIXIR-PRIVATE-LIMITED-U73100MH2021PTC373350>

Case Study:

Name of the Student: Dr. Tahsin Kazi, (M.Sc.Ph.D.)
Education: HPT Arts & RYK Science College.

CEO of “DR.RAGI”

<https://www.drragi.in/>



Mentor: Dr. Sanjay G. Auti,

Avishkar (2011): Soybean
 SCAR Project, State Level
**Avishkar Research
 Competition (2016):** Mineral-
 rich Finger Millet Recipes.

**M.Sc. Plant Biotechnology
 (80.80%) - Year -2011,**
University Topper (Gold Medal)



**B.Sc. Biotechnology
 Year -2009 (87%)**

❖**SET (Life Sciences) and ICAR-NET**
 ❖**(Agricultural Biotechnology) qualified.**

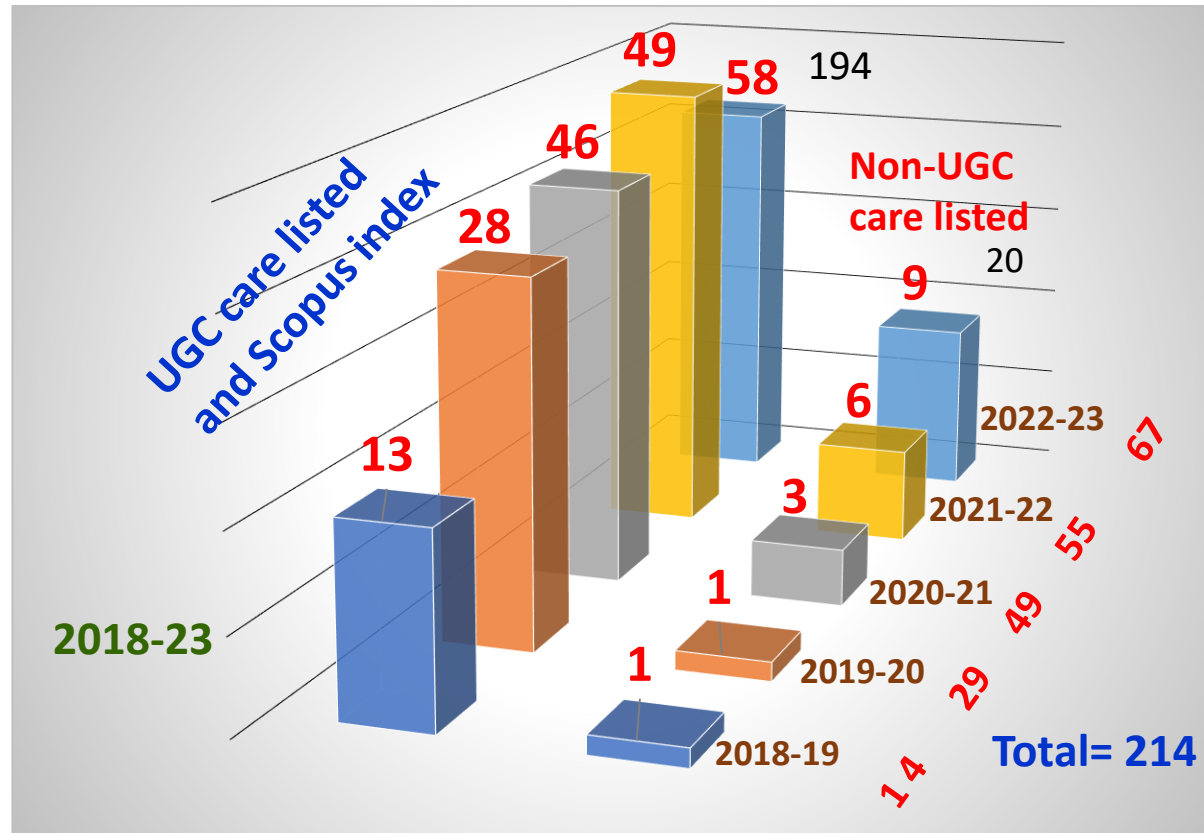
Ph.D. – Year -2021,
Savitribai Phule Pune
University, Pune

❖**JRF (2015-2017) &**
 ❖**SRF (2017-2020): UGC-MANF**

Leading product development and research at IIT Ropar, Punjab

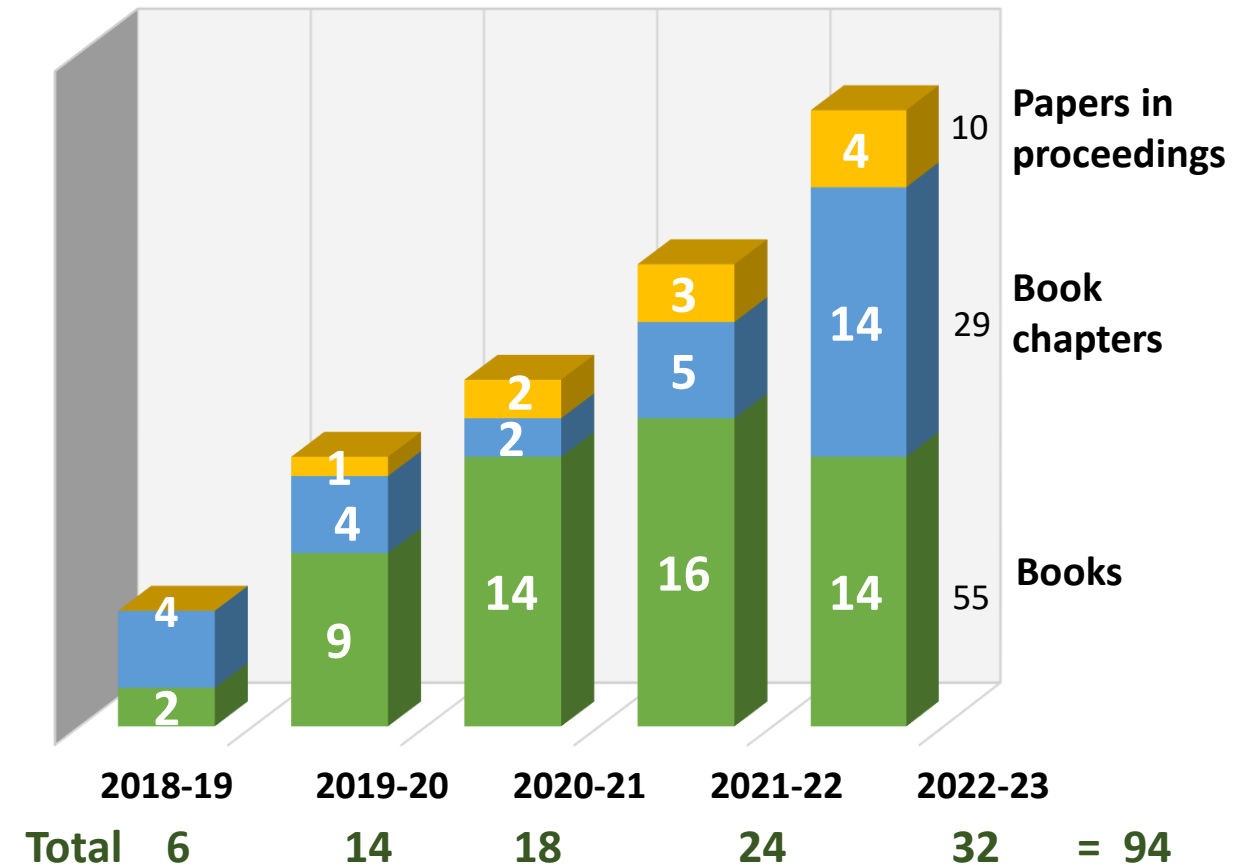
Research Publications and Awards

Research Papers Publications:



Awards: 13

Books and chapters in edited volumes/books published and papers published in national/ international conference proceedings



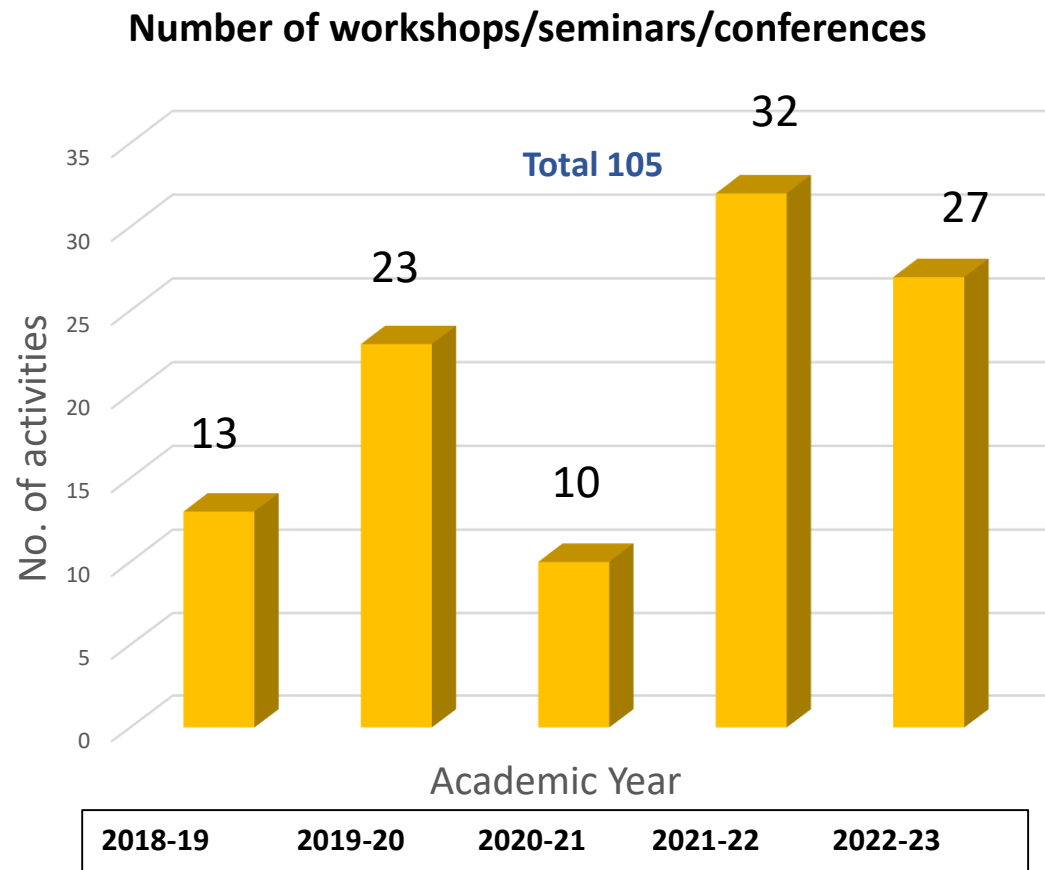
53 N 41 IN

Activities and Reports

3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

The Activities Conducted under

- IQAC
- IPR Cell
- IKS
- Curious Minds (Science Assoc.)
- Guest Lectures
- Intra-Departmental Activities
- Intra-College activities
- Inter-Institutional activities
- MoU
- Consultancy



**Aavishkar
(Research Project Competition)
2021 - 2024**

65 Projects at College level

**52 Projects selected at
Zonal Level Avishkar**

**23 Projects selected at
University Level**

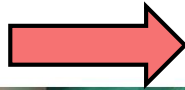
**2 Projects selected at
State level Avishkar**

*IQAC dept conducted 2 days workshop on research and Methodology for PG and PhD students consecutive for 2 years, 2022/23

Research Facilities of the institution, Research related to IKS, IPR facilitations, Incubation centers and other facilitations for knowledge creation/enhancement and transfer with outcomes and its evidences

IPR Cell: Major Objective: To protect intellectual ideas, boost research and encourage Innovation and creation:

Total Activities: 3



Total No. of Patents: 12
No. of Patents 2018-23: 04 2 are International

Curious Minds (Science Association)



Bureau of Indian Standards (BIS)



Door-To-Door Campaign



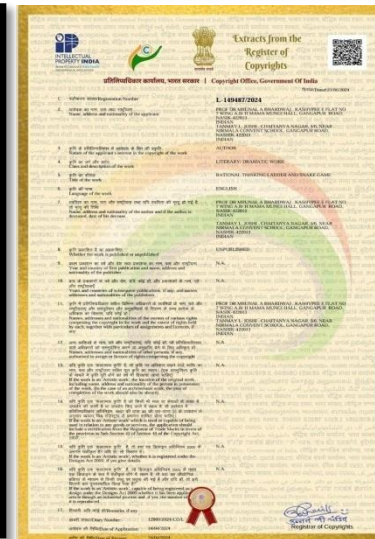
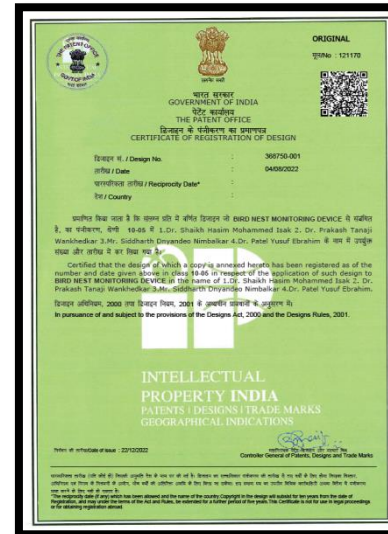
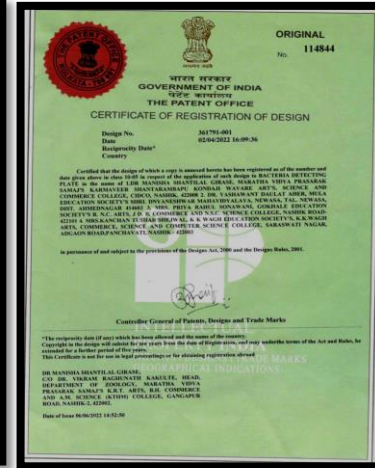
1. Awareness talks
2. BIS Pamphlet distribution
3. Website demonstration
4. App sensitization



Dec 2022-Jan 23: 65 students actively participated
Oct 2023-Nov 23: 80 Students attended & trained



Students received:
Honorarium of Rs 1500 each
Certificate
T-Shirt, Cap & badge



Patents

Orientation Programme on Research and Ethics



One Day Workshop on How to Write Research Proposals in Humanities



MoUs



Total MoUs: 18

2 International

Activities under MoUs

1. Internship program
2. Working Experience and Training
3. Lectures and practicals
4. Knowledge exchange
5. Academic research and publication
6. Seminars and workshops
7. Social activities

Outcome under MoUs:

1. Research Collaboration: **11 papers** published in Scopus and UGC-care)
2. Plant species new to the scientific world: **Total 10 species**
(Rediscovery: 1), on MoU Platform: 4 species, *Vicoa gokhalei*
3. Campus interview for 5 posts: **selected 2 candidates**
4. Skill enhance/Training: **61 students**
5. Internship/orientation knowledge: **40 students**
6. Counselling skill : **F.Y. to MA- II Psychology students (2022-23)**
7. Training through lecture: **111 students**
8. Workshop on research methodology: **13 students** participated
9. Invited as a resource person by other colleges **3 teachers**
10. Blood Donation camps



SWS Financial Solutions Pvt. Ltd.
Comprehensive Financial Consultancy & Services

CHAITANYA PSYCHOLOGY
STUDY CENTRE

Gov. Reg. No: MH-23-0000558

M: 9890614667



Prabodhini Trust
प्रबोधिनी ट्रस्ट



Indian Knowledge System

- ❖ Activities have been conducted: 10
- ❖ Number of Certificate Courses:
- ❖ Total number of students benefited: 1074

SR. NO.	PARTICULARS	SUPPORTING DOCUMENT
1	IPR cell	03 activities
2	Indian Knowledge System	10 activities
3	List of Activities and Reports	105 Activities
4	Expenditure made on Research	7341250.00
5	Patent filed Document	4
6	Financial Support received from funding agencies	8940450.00

Finger Millet Formulations (राजिका/Sridhanya)

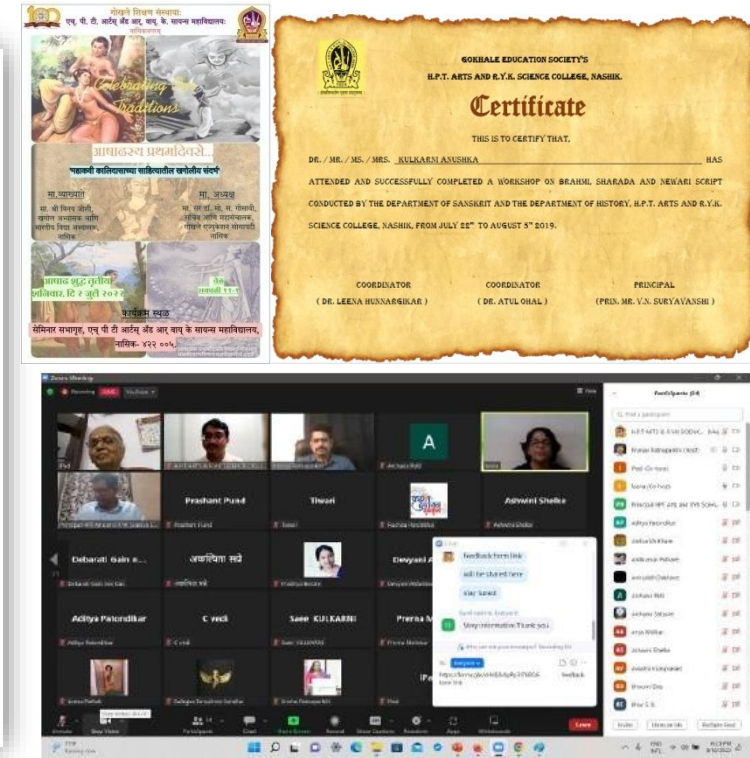
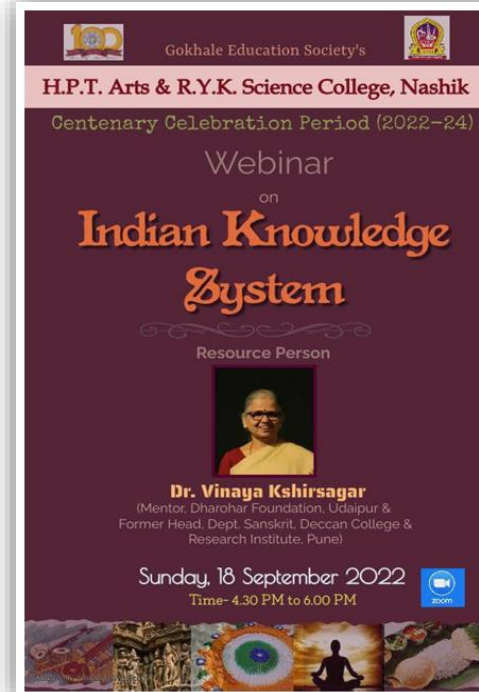
Microbial degradation of *Nirmalaya*

Food Fermentation Technology (किण्वन)

Lactobacillus Probiotics (वज्र दही)

Name of Activities

1. IKS Course
2. Temple Architecture
3. Introduction to Prakrit
4. Sanskrit Vyakran Bodh Class
5. Vaidik Padpath Class
6. Sanskrit Writing Workshop
7. Prachin Lipi learning
8. Webinar on IKS
9. Language and Culture
10. Modi Lipi workshop





Lepidagathis ushae Borude, Gosavi & Chandore

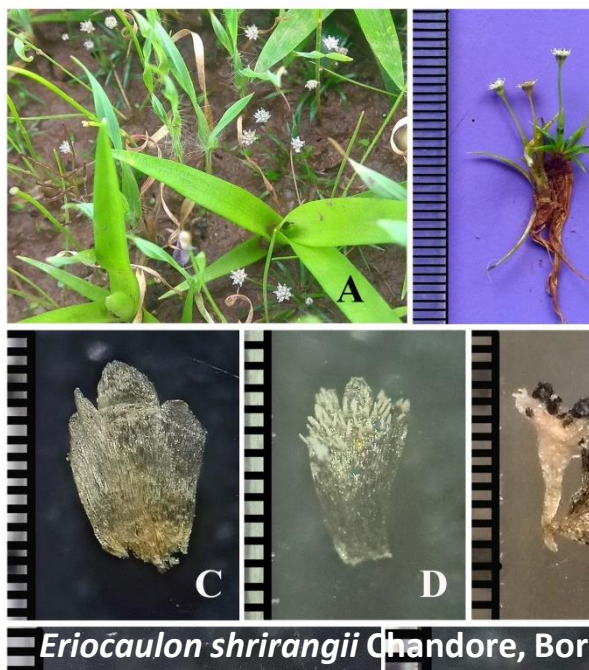


Pinda shrirangii Gosavi & Chandore



Vicoa gokhalei Gosavi, Madhav, Chandore and SR Yadav

Thank You



Eriocaulon shrirangii Chandore, Borude, Bhalekar, Madhav & Gosavi

3.5 Collaboration

3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

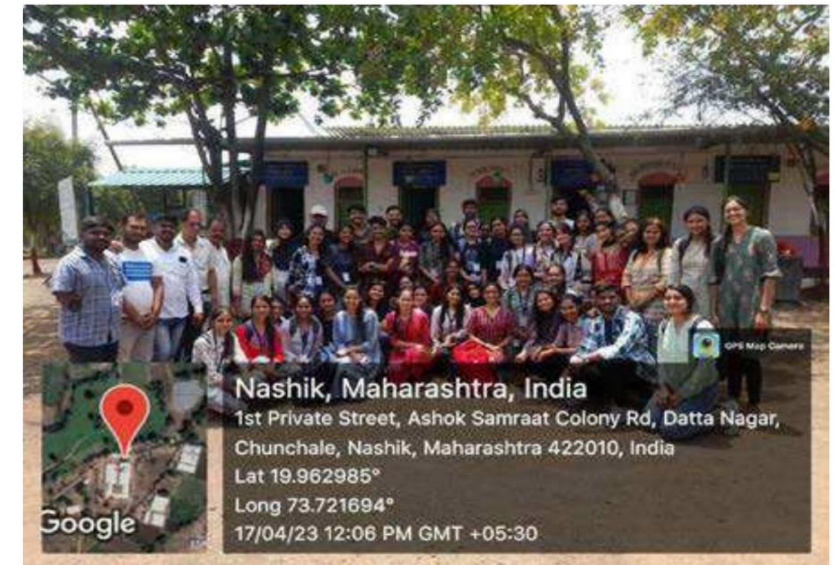
Academic Year	Number of MoUs
2018-19	02
2019-20	02
2020-21	01
2021-22	05
2022-23	08
Total	18



Blood donation Camp in collaboration with civil hospital
19 April 2023



Glimpses of activities under MoU



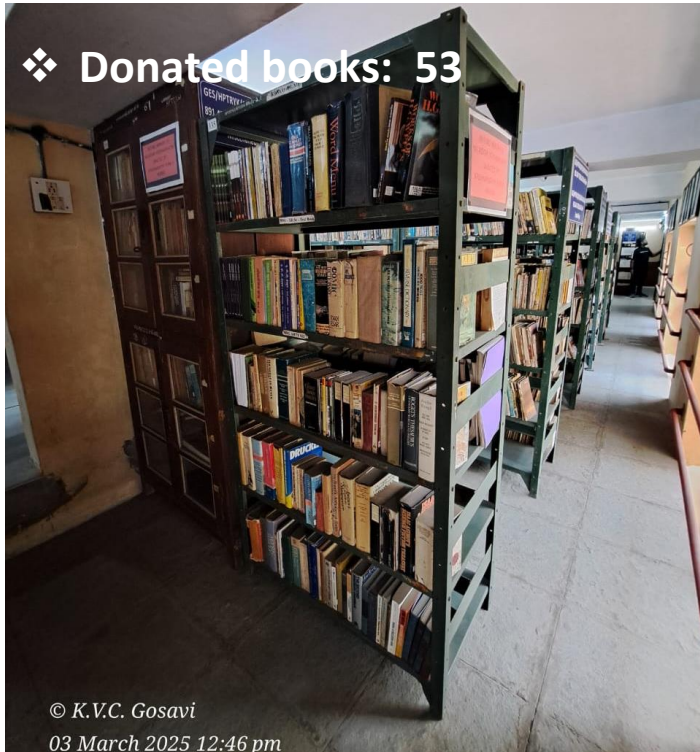
3.1 Resource Mobilization for Research

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

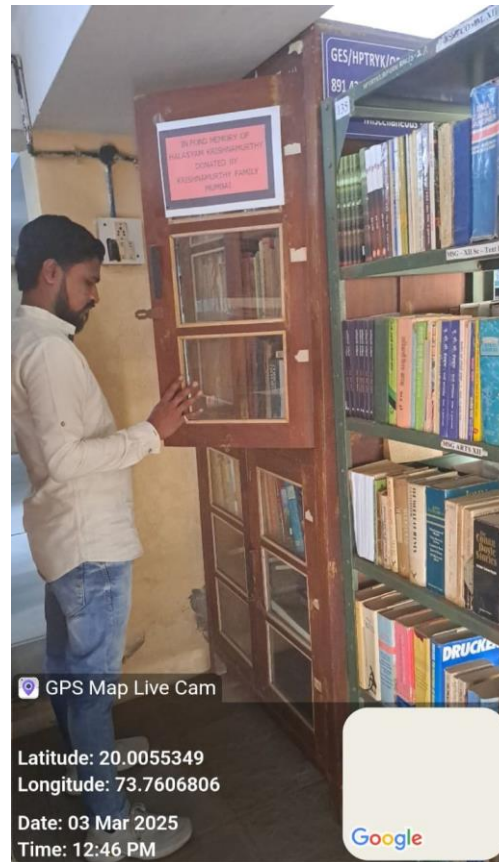
❖ Donated funds for research purposes: 26,000/-

❖ Donated instruments: 1 (Fridge)

❖ Donated books: 53

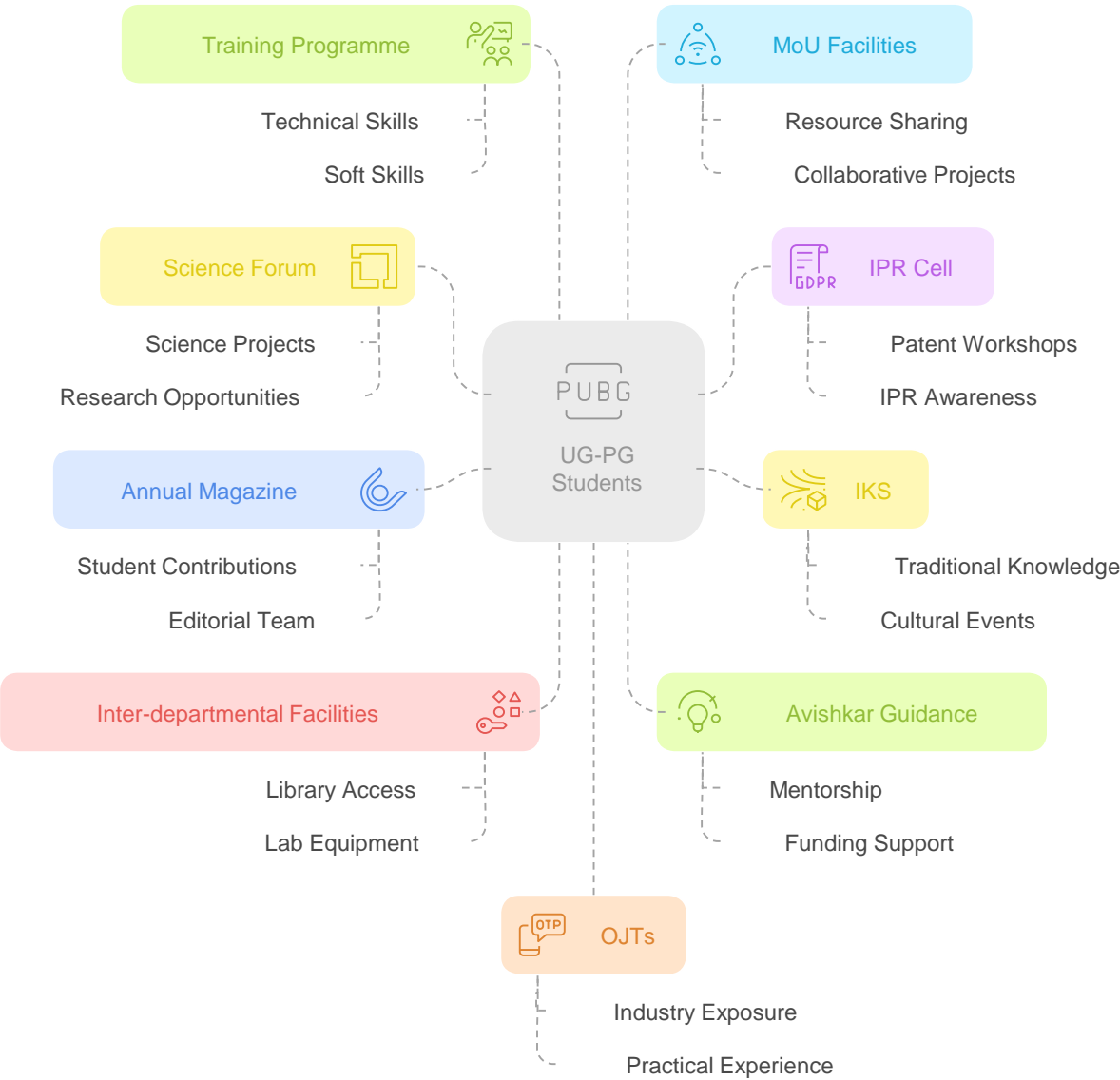


Donated books by Alumni in Library



The fridge donated in depart. of Botany for research

UG-PG Student Activities and Facilities



Comparison of Activities for Different Groups

Characteristic	Faculty	Research Scholar	UG-PG Students
 Activities by IPR Cell	Yes	Yes	Yes
 Promoting Publication	Yes	Yes	No
 Inter-Departmental Facilities	Yes	Yes	Yes
 Funding Support	Yes	Yes	No
 In-House Journals	Yes	Yes	No
 Research Center	No	Yes	No
 Activities by IKS	No	Yes	Yes
 Guidance for Avishkar	No	Yes	Yes
 Science Forum Activities	No	No	Yes
 Annual Magazine Publication	No	No	Yes
	No	No	Yes
 MoU Facilities	No	No	Yes
 OJTs	No	No	Yes
 Project Evaluation	No	No	Yes
 Lectures and Symposiums	No	No	Yes
 Workshop and Conference	No	No	Yes

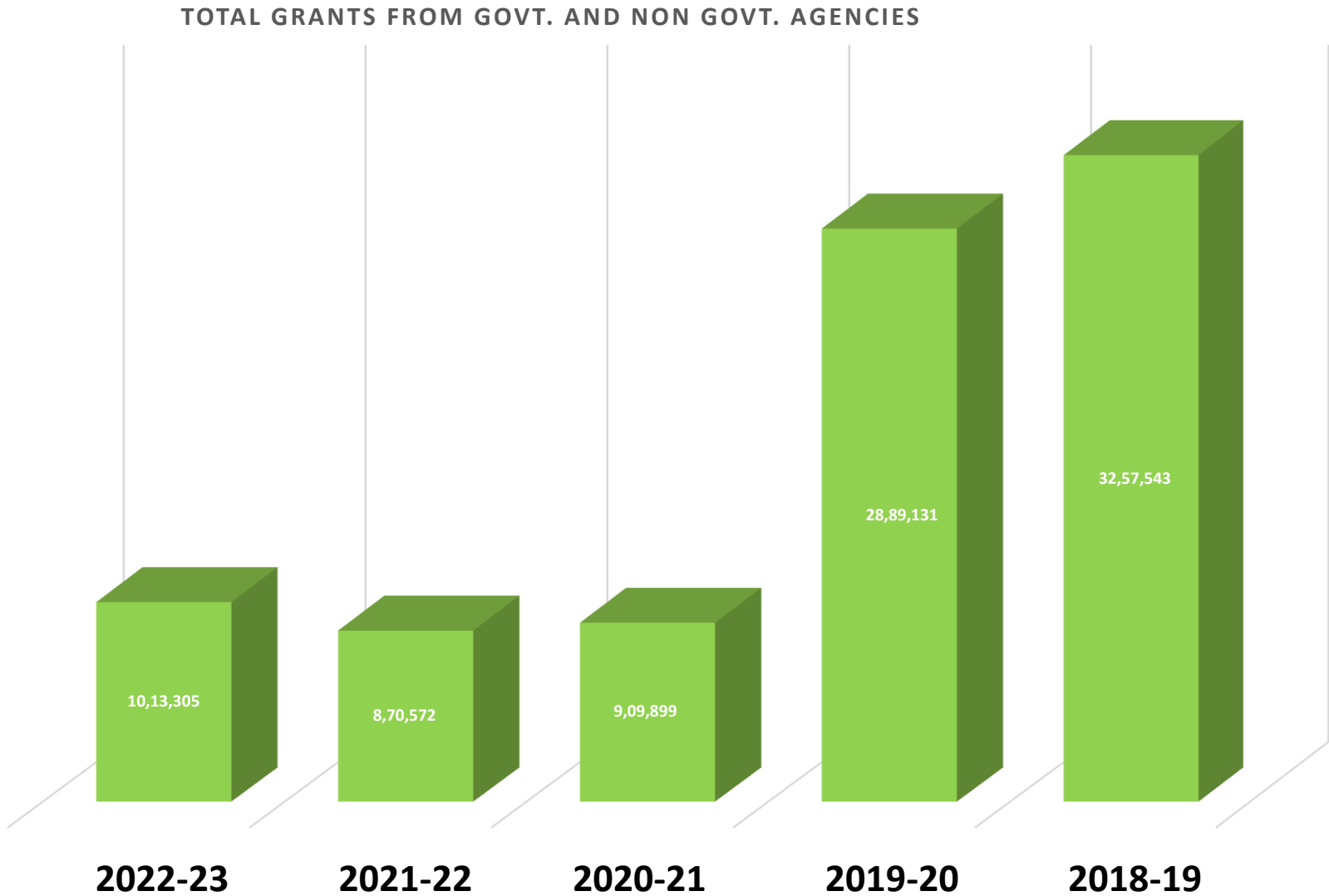
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Total number of projects: 07



University Grants Commission



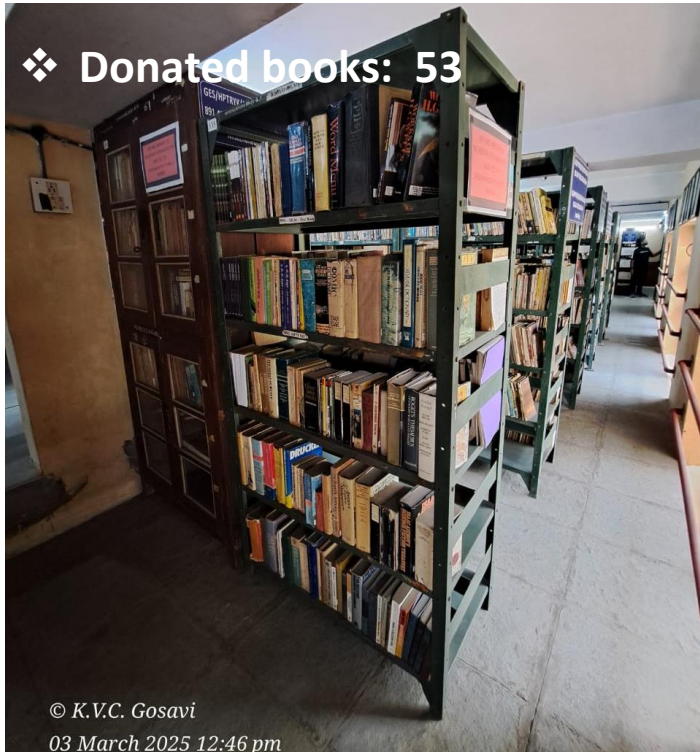
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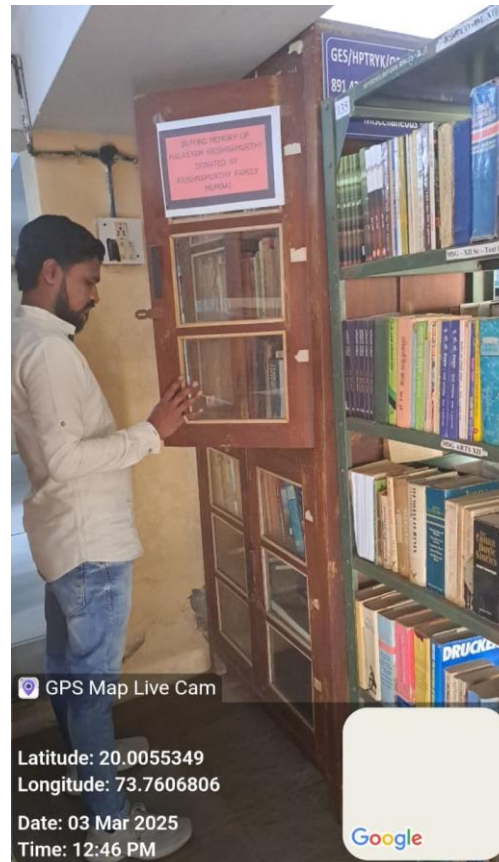
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❖ Donated books: 53

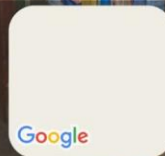


© K.V.C. Gosavi
03 March 2025 12:46 pm

Donated books by Alumni in Library



GPS Map Live Cam
Latitude: 20.0055349
Longitude: 73.7606806
Date: 03 Mar 2025
Time: 12:46 PM



The fridge donated in depart. of Botany for research



3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident



One Day Workshop on How to Write Research Proposals in Humanities

SR. NO.	PARTICULARS	SUPPORTING DOCUMENT
1	IPR cell	03 activities
2	Indian Knowledge System	10 activities
3	List of Activities and Reports	105 Activities
4	Research Facilities	69,37,087/-
5	Patent filed Document	4
6	Financial Support to the Faculty and Students	

❖ List of Activities and Reports

Academic Year	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Number of activities	13	23	10	32	27	105

3.4 Extension Activities

3.4.1: Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Blood Donation Camp
18.09.2019

Academic Year	Number of extension activities
2018-19	04
2019-20	07
2020-21	06
2021-22	13
2022-23	11
Total	41



Glimpses of extension activities

Swacchata Abhiyan
Godavari River Bank cleaning Drive 10 August 2019



Awareness and Sanitation campaign for Covid-19

“सौराजदूत कार्यशाळा” वनवासी कल्याण आश्रम महाराष्ट्र संचालित नूतन माध्यमिक विद्यालय कुकुडणेगुही तालुका सुरगाणा जिल्हा नाशिक



दिव्य मराठी विशेष • एचपीटी-आरवायकेत विद्यार्थ्यांकडून आ
शिविरात १९४ रक्तपिशल्यांचे संकट

स्क्रीनिंगद्वारे परीक्षण
उपचार सांगितले जात
शिविरात थॅलेसेमिया
चाचणीही करण्यात
उदघाटनप्रसंगी डॉ. मो.
महाविद्यालयाचे प्राचार्य
एन. सुर्यवंशी, ए
महाविद्यालयाच्या प्राचार्य
देशपांडे, बीवायके महा
प्राचार्य डॉ. राम
उपप्राचार्य डॉ. प्रणव
उपस्थित होते. राम
योजनेच्या स्वयंसेवका
यशस्वितासाठी विशेष
थॅलेसेमिया



3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

Academic Year	Number of Awards received
2019-20	03
2020-21	02
2021-22	03
2022-23	04
Total	12



Glimpses of Awards for extension activities



3.4.3 Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

AIDS Awareness Program 12 Dec 2019



Covid 19 Vaccination Camp 25.10.2021



Glimpses of extension activities

Roof Tile Distribution by HPT Arts and RYK Science College NSS Department

02.09.2021 - 04.09.2021



Academic Year	Number of extension activities
2018-19	05
2019-20	10
2020-21	05
2021-22	12
2022-23	10
Total	42