

## Criterion 3 - Research, Innovations and Extension

### 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)**

**Response:** 0.9

**3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
0.9	0	0	0	0

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### 3.2 Innovation Ecosystem

**3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge**

**Response:**

Our institution has been recognized as Centre for Higher Learning and Research in the subjects of Botany, Electronics, Chemistry, Zoology, History, Marathi and Commerce. Although the institution has started PG courses in 14 subjects and from 2021-22 in Computer Science, Physics and Ambedkar thoughts on purely no-grant basis. University approved 03 Certificate courses and Bajaj Finesrve approved 01 certificate course run by different departments.

In our institution, out of 35 faculties, 22 have Ph. D. degree. 14 faculties are Ph.D. supervisors and under their able guidance 47 research students are pursuing their Ph. D. degree. 1 research student has submitted their Ph. D. thesis and 4 research students have been awarded Ph. D. degree from research centre.

- NCC and NSS students participated in State and University level events.
- Published yearly e-journal ANUSHODH.
- Published yearly college magazine MUKTI
- MoU with Arts, Commerce and Science College, Tukum, Bajaj Finserv
- Library have DELNET, N-LIST Subscription and Plagiarism checker-X software.
- Organized Research Festival University Level Avishkar-2019
- Annual Day program 'YUVATARANG' organized every year.

- Number of faculties attended National and International Conferences, Published and Presented their papers
- 01 Minor Research Project has been sanctioned to Dr. S. W. Patil of our Institution.
- 02 National Patents have been sanctioned to Dr. A. S. Lanje of our Institution. .
- Organized International Conference on ‘Interdisciplinary Innovations in Socio-Economic Environment and Biodiversity Conservation Through Sustainable Development’ on 28 July, 2021
- Organized International Multidisciplinary Conference on ‘Perspectives of Ambedkarism’ on 25th & 26th June, 2022
- Organized WEBINAR on “How to Prepare Project” on 14th July, 2021
- Organized WEBINAR on “Young Investor, Awareness program by Bombay stock exchange (BSE)” on 05th July, 2021
- Organized workshop on “Corona Kalat vidhyarthyanvar udbhawlelya shareerik va manasik samasya ani upay yojana” on 17 July, 2021
- Organized workshop on Online on "Marathi Bhashesamoril Avhane" on 22 January, 2021
- Organized workshop on Online “Marathi Bhasha Gourav Din” on 27 February, 2021
- Online National Webinar on “Annabhau Sathe Jayanti” on 1 August 2021
- One Day University Level Workshop On “Recent Guidelines for Assessment and Accreditation System for Colleges”

The central library of the institution is enriched with 32180 textbooks, 13108 reference books, 34 journals, 40 CDs & Video. Notably, 11 faculty members have contributed in the publication of 36 books, e-books with ISBN numbers and chapters in edited books. About 198 research papers have been published in Peer Reviewed and UGC - Care Listed journals, 36 books and 29 papers have been published in conference proceedings credited to the institution.

The institution organizes educational and excursion tours for students to get extra knowledge regarding their subjects. The institution has well equipped Laboratories with Visible Spectrophotometer, Soil Testing Kit, Rotor flask shaker, Microtome, Binocular Microscope, Hot Air Oven, Flame Photometer-1 & 2, Dissecting Light Microscope, Incubator, Laminar Air flow, distillation plant, Spectrometers, Planck Constant Apparatus, Determination of specific heat apparatus, CRO and Oscillator, Bifillar Suspension, digital weighing machine, Four Probe Apparatus, Thomson’s apparatus, 10 LCD projectors etc. to facilitate the students and teachers to use modern technologies. Thus, the ecosystem in institution is instrumental in enhancing the knowledge.

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

**Response:** 12

**3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
4	7	0	1	0

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### 3.3 Research Publications and Awards

**3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

**Response:** 0.5

**3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
12	04	01	0	0

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**3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**

**Response:** 0.91

**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
02	05	05	13	06

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### 3.4 Extension Activities

#### 3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

##### Response:

Youth are the strong pillars of the society. The participation and active involvement of youth in social, academic and other activities will lead the nation towards community development. As the institution is located in socioeconomically backward region, the only medium to uplift the society is to organize numerous activities which are carried out by the students. These activities help students to develop their personality and make them versatile.

The college organized a number of extension activities to promote institute-neighborhood community to sensitize the students towards community needs. The students of our college actively participate in social service activities leading to their overall development.

It is experienced that their exposure to various social issues is extremely crucial. The institution organises various programmes under extra-curricular activities and extension activities like International Yoga Day, World Population Day, Kranti Din Programme, Swachha Bharat Abhiyan Pakhwada, Independence Day & NCC Parade, Samajik Samarasata Pandharwada and Sadbhavana Divas, Teachers' Day, International Literacy Day, NSS Foundation Day, Bari. Rajabhau Khobragade Jayanti & Debate Competition, World Non-Violence Day & Gandhi Jayanti, Rastriya Ekata Din, Constitution Day, Madhumeh Nirmulan Karyashala, AIDS Awareness Day, Dr. Ambedkar Mahaparinirvan Din, Manavadhikar Din, Blood Donation Camp, Krantijyoti Savitribai Phule Jayanti, NSS Annual Camp, Matdaar Shiksha Sahbhag Karyakram, Republic Day, Annual Sports & Cultural Mahotsav, International Women's Day, Girishbabu Khobragade Jayanti, Samajik Kranti Din, Bari. Rajabhau Khobragade Smruti Din, Dr. Ambedkar Jayanti, Maharashtra Day, Beti Bachao, Beti Padhao Abhiyan, Vyasan Mukti Dindi, Tree Plantation, Health Checkup Camp, Pani Adva Pani Jirva, Nuclear Weapon Day, Cleanliness Campaigns, Everest Campaign, Cleaning of Historical Place, Mission Shakti, Ek Hath Madaticha, Sickle Cell Checkup, Agriculture Exhibition and Guidance, Veterinary Camp, Student Awakening for the Society Welfare (Indian Red Cross Society, Chandrapur), Plastic Free College Campus, leadership skill and self-confidence of students.

All the mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and self-confidence of students. It also helped in bringing out potentials of students and created awareness among them. Due to Covid-19 pandemic as per UGC and State Government rules and regulations some restrictions were laid down on such activities.

The teachers and students are actively involved in these programmes and activities from preparation to implementation. This kind of experience and participation not only trains the students in management skills but also raises their consciousness and understanding on various social and moral issues. In addition to these, it also provides an opportunity to cooperate and bridge the relationship with society. This approach

enhances their holistic development. The institution engages faculty members and students in community work which eventually teaches them the importance of moral values.

- **04 students participated in University Level Quiz and Seminar** organized by Shri Dnyanesh Mahavidyalaya, Nawargaon
- **04 students participated in VUPTA Students Seminar - 2022** organized by VUPTA and Vidya Vikas Mahavidyalaya, Samudrapur Dist-Wardha
- **103 students participated in Research Festival 2021-2022** organized by our Institution.
- **92 students participated in National Science Day** organized by our Institution.
- University Level Research festival 'Avishkar-2019' organised on date 6-7th January 2020.

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

#### Response:

- University level Avishkar-2018 received one Award and Avishkar-2019 received 07 awards.
- Ku. Shilpa Gawale awarded for her Model on 'Extraction of Biodiesel from Algae' in University level Avishkar 2019, organized by Dhnyesh Mahavidyalaya, Nawargaon.
- Dr. A. S. Lanje received Bharat Vidya Ratan Award by Indian Solidarity Council, New Delhi.
- Dr. R. R. Dahegaonkar received Best Educationist Award by International Institutes of Education and Management.
- Dr. V. P. Dakhane received award for Social responsibility for communities (Certificate and Memento) Blood donation Camp organized by SBTC – Maharashtra State Transfusion Council, Government Hospital, Chandrapur & Super Thermal Power Station, Chandrapur, (M.S).
- Dr. Milind Bhagat received Best Programme Officer of NSS, Gondwana University, Gadchiroli.
- Dr. V. Y. Gedam received state level Best Programme Officer of NSS Award.
- Our College received Best NSS College award by Gondwana University, Gadchiroli.
- Dr. V. Y. Gedam received Best Teacher award, Gondwana University, Gadchiroli.
- Ku. Indrayani Nindekar received award National Level First Prize in National Camp (Debate and Painting Competition)
- Mr. Abhishek Sharma received award National Level Second Prize in National Integration Camp (Ranchi, Jharkhand Debate Competition)
- Mr. Ankush Gohone has been awarded University Level Third Prize in Debate Competition.
- Mr. Prashant Gahane has been awarded University Level Consolation Prize in Debate Competition.
- Mr. Shubh Sodari awarded State Level Best Camper.
- Ku. Nikhita Pusade received State Level Best Singer award.
- Mr. Bhushan Kamde received State Level Best Camper award.
- Mr. Suraj Taksande received State Level Participant award.
- Mr. Anuraj Dahegaonkar is awarded with Special Award for Gondwana University Innovation

Ideation Competition organized by Gondwana University, Gadchiroli.

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**3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years**

**Response: 27**

**3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
13	00	09	05	00

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### 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.**

**Response: 13**

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