

**G. S. SCIENCE, ARTS & COMMERCE COLLEGE KHAMGAON-444303
Dist. Buldana (M.S.)**



Internal Quality Assurance Cell

A report on In-house Summer Research Program (Online) 2020-21

As per policy for promotion of Summer Research, online summer research program was conducted during the academic year 2020-21. Due to COVID -19 pandemic, it was conducted in an online mode. A workshop for teachers has been organized for creating awareness among the mentors for In-House Summer Research Program of the college on 23rd June 2021. Mentors were made aware about their role as a mentor and timeline for execution of the program. Students applications were invited through a Google form by the IQAC. They were given a choice to select a mentor and area of research. More than 200 students applied for the summer internship under the mentorship of 28 mentors.



The brochure is for the In-house Summer Research Program 2020-21, an initiative of IQAC at G. S. Science, Arts and Commerce College, Khamgaon. It features the college's logo on the left, an ISO 9001:2015 certification logo on the right, and a circular logo with the motto 'विद्यया ऽमृतमश्नुते' at the top right. The text is centered and includes the college name, affiliation to Sant Gadge Baba Amravati University, and accreditation details. The main heading is 'In-house Summer Research Program 2020-21 (An initiative of IQAC)'. Below this, it states that students interested in summer research should apply via a Google form at <https://tinyurl.com/inhouseSRP20-21>. It also specifies that the last date of submission is 30 June, 2021, and that selected students will receive further communication on 3rd July 2021. At the bottom, it lists Dr H S Chandak as the Coordinator, IQAC, and Dr D S Talwankar as the Principal.

In-house Summer Research Program 2020-21
(An initiative of IQAC)

Students interested in doing **Summer Research** in our college should apply by filling out following Google form:
<https://tinyurl.com/inhouseSRP20-21>
Please choose research topic and teacher mentor in the form.
Last date of submission of form: 30 June, 2021

Note: Selected students will receive further communication on your email from the mentor on 3rd July 2021

Dr H S Chandak
Coordinator, IQAC

Dr D S Talwankar
Principal

Snapshot 1: Brochure of the In-House Summer Research Program

A few students were shortlisted based on their academic record and availability of IT infrastructure with them. Summer research program was successfully completed under following seven mentors:

1. Dr A D Bhosle (Commerce- 19 students)
2. Dr A V Padghan (Botany- 2 students)
3. Dr D M Nagrik (Chemistry- 1 student)
4. Dr H S Chandak (Chemistry- 8 students)
5. Dr K S Gulhane (Commerce- 3 students)
6. Dr P E Ajmire (Computer Science- 8 students)
7. Dr P V Ubale (Statistics- 5 students)

Despite of the impact of COVID-19, all mentors conducted periodic virtual meetings (and occasionally offline meetings) with students on Zoom/ Google Meet platform.

One of the mentor, Dr A D Bhosale, department of commerce conducted a concluding ceremony wherein an external peer Dr Altaf Shaikh from SP Pune University was invited as external peer. Under the mentorship of Dr A D Bhosale, students did study on various aspects including accidental insurance, unemployment problem, special economic zone in Maharashtra etc. The findings from project entitled “Feasibility Study of Proposed Khamgaon Jalana Railway Track” were hand over to Hon’ble Akashji Fundkar, MLA, Khamgaon constituency. Dr P V Ubale, department of Statistics also submitted copy of project reports to Principal Dr D S Talwankar.



Snapshot 2: Dr Bhosale and Ku Vaishnavi V. Khandare handing over the report to Hon’ble Akashji Fundkar, MLA, Khamgaon constituency



Snapshot 3: Dr P V Ubale submitting reports to The Principal Talwankar and Secretary Dr P N Bobdey

It is noteworthy to mention that Hon'ble Vice-President Shri A P Jhunjhunwala sponsored a fellowship in the fond memory of freedom fighter Late Purshottamji Motilalji Jhunjhunwala. A scholarship of Rs 500 each to all the 22 students from Commerce faculty was sponsored by him.

सोमवार २० सप्टेंबर २०२१

मासिक
प्रश्नकाल

गो.से महाविद्यालयात उन्हाळी संशोधन सादर करणाऱ्या विद्यार्थ्यांना शिष्यवृत्ती जाहीर

खामगाव-स्थानिक भोसे महाविद्यालयातील वाणिज्य विषयाचे वरिष्ठ प्राध्यापक डॉ. आनंद भोसले यांच्या मार्गदर्शनात वाणिज्य व व्यवस्थापन शाखेत तब्बल १९ विद्यार्थ्यांनी विविध विषयावर उन्हाळी संशोधन केले होते. सदर विद्यार्थ्यांच्या या उत्कृष्ट संकल्पनेबद्दल त्यांचा सत्कार



म्हणून विद्यालयाकडून महाविद्यालयाचे उपाध्यक्ष अशोक झुनझुनवाला यांच्यातर्फे स्वातंत्र्य सेनानी पुरुषोत्तम मोतीलाल झुनझुनवाला यांच्या स्मरणार्थ विद्यार्थ्यांना शिष्यवृत्ती दिली जाणार असल्याची माहिती प्रा.डॉ.आनंद भोसलेने प्रश्नकालशी बोलतांना दिली. उन्हाळी संशोधन सादर करणाऱ्या १९ विद्यार्थ्यांचे अनुकरण करत इतर विद्यार्थ्यांना सुद्धा प्रेरणा मिळावी या हेतूनेच सदर विद्यार्थ्यांना शिष्यवृत्ती योजना देऊन पुरस्कृत करण्यात आले असल्याचे झुनझुनवाला यांनी सांगितले. महाविद्यालयाचे उपाध्यक्ष अशोक झुनझुनवाला यांनी जाहीर केलेल्या या संशोधन शिष्यवृत्तीचे महाविद्यालयाचे अध्यक्ष डॉ. दादासाहेब बोबडे, डॉ. प्रशांत बोबडे सचिव, प्राचार्य डॉ. धनंजय तळवणकर यांनी स्वागत केले आहे. तसेच त्यांचे आभारही मानले आहेत. प्रस्तुत उन्हाळी संशोधन महाविद्यालयातील इतर विद्यार्थ्यांनी पुढीलवर्षी अधिकाधिक संशोधन करावे, यासाठी त्यांना प्रेरणा मिळावी म्हणून त्यांच्या माहितीसाठी प्रा. आनंद भोसले यांनी महाविद्यालयाच्या ग्रंथालयात सदर विद्यार्थ्यांनी सादर केलेले सर्व एकोणवीस उन्हाळी संशोधनाच्या प्रति महाविद्यालयाचे ग्रंथपाल प्रा. सुनील जाधव यांना दिल्या आहेत. उन्हाळी संशोधक सर्व विद्यार्थ्यांचे सर्व स्तरातून कौतुक होत आहे.

विद्यार्थ्यांना प्रोत्साहन देण्यासाठी शिष्यवृत्ती

प्रतिकूल परिस्थितीत सुध्दा अनेक विद्यार्थ्यांमध्ये शिक्षण घेण्याची धडपड दिमून येते. अशा सर्व विद्यार्थ्यांना प्रोत्साहन मिळावे म्हणूनच आमचे वडील स्वातंत्र्य सेनानी स्व.पुरुषोत्तमजी मोतीलालजी झुनझुनवाला यांच्या स्मरणार्थ प्रति विद्यार्थी पाचशे रुपये शिष्यवृत्ती जाहीर केली आहे. तरी जास्तीत जास्त विद्यार्थ्यांनी असे संशोधन सादर करून नावलौकिक मिळवावा, असेही उपाध्यक्ष अशोक झुनझुनवाला यांनी सांगितले.

Snapshot 4: Press note published in the daily Prashnakaal about scholarship for SRP

Additionally, our institute provided a provided a scholarship of Rs 500 each.

Total Scholarship to students of Commerce faculty = 500 x 22= Rs 11,000/-

Total Scholarship to students of Science faculty = 500 x 24= Rs 12,000/-

Total scholarship provided to the students= 23,000/- (Twenty Three Thousand only)

Scholarship was distributed to the students on 14th October 2021.

A list of the students who successfully completed In-house Summer Research Project 2020-21 with a link to their report is appended below. Following **46 students** successfully competed in-house summer research program:

S.N.	Name of the student	Class	Name of the mentor	Title of the project	Link to the report
1.	Ankita V. Purohit	B.Com	Dr A D Bhosle	Minute Study of Accidental Insurance in India (2019-20)	https://drive.google.com/open?id=1nMUxW2ZJLt-7Az-Hzd4S1hjag_u2qHBY
2.	Tanaya A. Mate	B.Com II	Dr A D Bhosle	Commercial Study on Availability of Loans by the Bank and Response from Borrowers in the Financial Year of 2019-2020 in India	https://drive.google.com/open?id=1DppmC9PMraTd8SFx-GkNSG-XiEKSmiiy
3.	Divya S. Dhole	B.Com II	Dr A D Bhosle	Minute Study of Unemployment Problem in India (19-20)	https://drive.google.com/open?id=1S16P8wqefrXBYGGix4SinZdXLhkVvEz
4.	Ruchika K. Vyas	B.Com II	Dr A D Bhosle	Analytical Study of Medical Business in India (2019-20)	https://drive.google.com/open?id=1mmOJMTQA3ld5XvN_hutkdN8F_CwTXrCf
5.	Vaishnavi Sahu	B.Com II	Dr A D Bhosle	Analytical Study of Special Economic Zone in Maharashtra	https://drive.google.com/open?id=1rsw0EmMqGIH0KUxI-AvRUAo-WWBUPMLD
6.	Harshad R. Dhondge	B.Com III	Dr A D Bhosle	Minute Study on Indian agricultural Labour	https://drive.google.com/open?id=1kVvuUOKGuMvnaqVzOXbFbKO5oIeeRWx9
7.	Shubhangi V. Unhale	B.Com III	Dr A D Bhosle	A Commercial Study on GST in India (2019-2020)	https://drive.google.com/open?id=1bUxg-GGFfoaOXkMfiuq-M87f1yKsf4FY
8.	Bhagwat B. Nimbokar	B.Com III	Dr A D Bhosle	Analytical study of Life Insurance with	https://drive.google.com/open?id=1XzM9

				special reference to Covid-19	W8XL6kuayTLiHyeVTK2chjmBjSHZ
9.	Vaishnavi V. Khandare	B.Com III	Dr A D Bhosle	Feasibility Study of Proposed Khamgaon Jalana Railway Track	https://drive.google.com/open?id=15LTYE40e4WqNBxz0XCUMNcR8AZTdS36h
10.	Nikhil V. Devale	B.Com III	Dr A D Bhosle	Study on Proposed new railway tracks in Maharashtra with special reference to economic development to Maharashtra (2019-20)	https://drive.google.com/open?id=13Jz150_jZOy4Y4aquMs7QzFEil7kNTp
11.	Vishakha V. Tantak	B.Com III	Dr A D Bhosle	Minute Study of Child Labour Problems in India	https://drive.google.com/open?id=1YzRFyUEXLTJ3jt15itTnTWGGYml_zl2j
12.	Sakshi A. Gupta	B.Com III	Dr A D Bhosle	Minute Study of Retail Business in India (2019-20)	https://drive.google.com/open?id=1B_WT3Pdo6DSmQ45K28T7IKVL_kW8TO0H
13.	Vaishnavi V. Kale	B.Com III	Dr A D Bhosle	"Minute Study on Status of Purchasing Power of Indian Consumers in India (2019-2020)	https://drive.google.com/open?id=1RR3TZKXmvrRhduUV-SCILBa92egdnx
14.	Ujwala S. Satao	B.Com III	Dr A D Bhosle	Minute Study of Process of Industrialization in India	https://drive.google.com/open?id=1Wm0hVAc4RjRqPIQsxQkmtDLU_3NMKYDp
15.	Ankita T. Kalpande	M.Com	Dr A D Bhosle	Ghrhak Jagruti Chalval Ek Vishelynatmak Adhayan	https://drive.google.com/open?id=1XL7Q0PVxIdxq6mAwFM7J1ial4wJd5T0h
16.	Ashwini J. Sanap	M.Com I	Dr A D Bhosle	Bhartatil laghu v kutir udyoganche vishleshanatmak adyayan	https://drive.google.com/open?id=19qkCaFso69N4mq-1Gknb7009deTxtAK8
17.	Gayatri V. Thite	M.Com I	Dr A D Bhosle	महाराष्ट्रातील घाऊक व्यापाराचे महत्त्व	https://drive.google.com/open?id=1JnvxivtLmmWu7IVoGiYp0LAWWTWnCHDt
18.	Dipali B. Aochar	M.Com I	Dr A D Bhosle	कृषी उत्पन्न बाजार समित्यांचे विशेषणात्मक अध्ययन	https://drive.google.com/open?id=1cnwEM2wxbOV2O2b_vMEdlCaAcc1HjYiN
19.	Gaytri S. Bhore	M.Com I	Dr A D Bhosle	झपाट्याने होणारे शहरीकरण आणि खेड्यांचा होणारा न्हास यातील समस्यांचे विश्लेषणात्मक अध्ययन	https://drive.google.com/open?id=1mOfML1j5RymP6IvmBtVGBIVyjOmlv_IO
20.	Vishakha L. Bhopale	B.Sc III	Dr A V Padghan	Taxonomy and Systematic Study of Some Plants of Family Fabaceae (leguminosae)	https://drive.google.com/open?id=12ZZTiL9eF4bVsi6bTQBPAExd4BnMJc0v
21.	Ashwini D. Tayade	B.Sc III	Dr A V Padghan	Taxonomy and Systematic Study of Some Plants of Family Malveceae	https://drive.google.com/open?id=1T9w60AJOOlqWNbGYrnmxz3VJegVIszYz
22.	Bhargav N. Bhatti	B.Sc II	Dr D M Nagrik	Production of Bio-ethanol from Rice	https://drive.google.com/open?id=1aAyL5rtAX3vvBo1JEVQhznzbc4X1w09Qr

23.	Gayatri R. Nerkar	B.Sc II	Dr H S Chandak	To study the Milk Products	https://drive.google.com/open?id=1QPDOjzCAKjnI1A68FhaOg5bEwLP-VXiq
24.	Dipali S. Paraskar	B.Sc III	Dr H S Chandak	To Study the Chemical Footprint in Fertilizers Product and Understanding their Effects on the Soil and Human Beings	https://drive.google.com/open?id=12PDrxa04Tjt5SOMblbwBNfNMzagaSmUJ
25.	Komal S. Ingle	M.Sc I (Chem)	Dr H S Chandak	To Study the Chemical footprint in water	https://drive.google.com/open?id=1VjS7qrPodDrVacfJvYAptZkmR8SDMgI8
26.	Shital S. Ingle	M.Sc I (Chem)	Dr H S Chandak	To Study the Chemical Footprint in veterinary medicine / product	https://drive.google.com/open?id=1hdrxF7C-yhf2uCUbaOV5LtSibh_0V4SZ
27.	Mayuri S. Banherkar	M.Sc I (Chem)	Dr H S Chandak	Mosquito Repellent	https://drive.google.com/open?id=1Mv-A2gusloxx5NhBITj8DXVBjtpMJoBC
28.	Ashwini R. Mhasal	M.Sc I (Chem)	Dr H S Chandak	Plastic Degradation	https://drive.google.com/open?id=1UYGYU4teucYU0I0HXbt8bfgEVvdSQU-N
29.	Arti V. Ghive.	M.Sc I (Chem)	Dr H S Chandak	To Study Formulation and Evaluation of Shampoo and their Effects	https://drive.google.com/open?id=1mDGeNyYp68Xo1V-wVg0_CebUhsbRGGWP
30.	Pragati D. Ghive	M.Sc I (Chem)	Dr H S Chandak	Medicines Sold Over the counter and their effects on Human health	https://drive.google.com/open?id=1FdEHvRkhzrTRqqDAmDQttYOFXWaTpp9s
31.	Dnyaneshwari B. Rahate	B.Com I	Dr K S Gulhane	Corona mule athrvyavdtyecha zalela parinam	https://drive.google.com/open?id=1yebBZDbsgb7D2pgyllb-K9IBJZZJrVe
32.	Bhagyashree R. Bharambe	B.Com I	Dr K S Gulhane	Effect of covid -19 on Indian Education and Economy	https://drive.google.com/open?id=19No6gTYu_uM9kK4nfudRX6JdE47mYyqO
33.	Chaitali G Raut	M.Com II	Dr K S Gulhane	1) covid-19 भारतीय कृषि क्षेत्रावर झालेला परिणाम	https://drive.google.com/open?id=1A2_iMze2agSRqL9dcQhc8_2Oy2epuiad
34.	Tushar Patil	B.Sc I	Dr P E Ajmire	Wireless Electric Current Detector	https://drive.google.com/open?id=1bMJ1NL1lqipYbXCa4K9cAs2sD65JCEdu
35.	Sakshi S. Jadhao	B.Sc I	Dr P E Ajmire	Animating Transformation of Matrix	https://drive.google.com/open?id=1DSIKqCWWOa4kqTXqnWOkTH3CRL1sLdi7
36.	Mrunal Chavan	B.Sc I	Dr P E Ajmire	Animation on Bubble Sort	https://drive.google.com/open?id=1nUJYoHTvMCYieqn0LXH_ImX6jzOemu5x
37.	Vijay P. Chopade	B.Sc II	Dr P E Ajmire	AI ChatBot Based On Python	https://drive.google.com/open?id=1QckyMiFQEouvgUae5DO3uZrjUKf3iMAZ
38.	Sandesh S. Rakhonde	B.Sc III	Dr P E Ajmire	Configuring Cloud for Networking	https://drive.google.com/open?id=1Z-4uJ5qCL5h8QMwljT40k2DxADC2I9L6

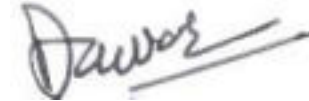
39.	Sampada V. Gadekar	B.Sc III	Dr P E Ajmire	Feature Extraction from Audio to Recognize Musical Ragas	https://drive.google.com/open?id=17LoByNNVBzz85bdrF4GRQ-FaV6A0hl0-
40.	Yogita R. Dawale	B.Sc III	Dr P E Ajmire	Website of Computer Science Department	https://drive.google.com/open?id=1rBKffV3nploXoAB9mPPIERTajooeEJI
41.	Tejas V. Zamre	M.Sc I (CS)	Dr P E Ajmire	3D Simulation Dissection of Frog Using Augmented Reality	https://drive.google.com/open?id=1vsBWqOrzQHy1EbT8Y9cF7x3aqIIPiJQz
42.	Shravani S. Kulkarni	B.Sc I	Dr P V Ubale	R: A Language for Data Analysis and Graphics Free Software Environment for Statistical Computing	https://drive.google.com/open?id=1u2938rVtqcDNOatT4GnSyrU-2lefR_TH
43.	Jyoti G. Daberao	B.Sc I	Dr P V Ubale	Survey Sampling Plays a Vital Role in Design of Qualitative Research	https://drive.google.com/open?id=1nIMfUVw-ive-lgpK_FLx3K7UDXIfKGbb
44.	Namrata G. Tekade	B.Sc II	Dr P V Ubale	Optimal Stopping Problem and its Utility in Statistics	https://drive.google.com/open?id=1jnVdVcN4XL3ZoIB2kOjbcMx8cN3UouRo
45.	Ashwini S. Patade	B.Sc II	Dr P V Ubale	Data Analysis and Kernel Density Plots by using R Software	https://drive.google.com/open?id=1dtDGYcglY2HO_SUnCnKW6mq9vXQgRWNw
46.	Sakshi S. Patil	B.Sc II	Dr P V Ubale	A Unified Theory of Secretary Problem with $1/e$ Law to the Best Choice	https://drive.google.com/open?id=1wPRnB6BelfQKTLRIzEWT9LoqRy1Bp5yQ

Some of the significant outcomes of these projects are:

1. Research aptitude among the student has been developed.
2. Students learned to search literature and write reports.
3. Students perspective about use of different items have been changed. They now look for the contents in the product, their effects and side effects before using any item.
4. They are showing willingness to work as ambassador for creating awareness among the society.
5. Their confidence level has been raised so that they can come up with new ideas and try new experiments.
6. Some interesting findings were shared with the Government / policymakers.



Dr. H S Chandak
(Coordinator, IQAC)



Dr. D. S. Talwankar
(Principal)

Principal
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