

ANNUAL REPORT



SHREE SHIVAJI EDUCATION SOCIETY AMRAVATI'S
**SCIENCE COLLEGE, PAUNI,
DIST. BHANDARA-441910**

Academic Year 2020-21

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1. Introduction:

Bhandara is one of the important eastern districts in Maharashtra state situated in the eastern part adjoining to Nagpur and Gondia districts. The district has a mixed economy based on agriculture, small scale industries and the forest resources. The district is gifted by ample amount of dense forest cover and the water resources available in the form of rivers and lakes. The agro climatic condition of the district is supportive for cultivation of various food grains and vegetable crops. Having abundant number of lakes in the populated area as well as in the forest, the district is also known as 'District of Lakes'. Demographically, 19.48% of the population is residing in urban areas whereas, the major portion of the population is localized in small villages surrounded by the forest area. The district encompasses seven talukas such as Bhandara, Mohadi, Tumsar, Lakhani, Sakoli, Lakhandur and Pauni, which are segregated into four administrative sub-divisions, Bhandara, Tumsar, Sakoli and Pauni.

Pauni is one of the oldest semi-urban city having historical background and with crowded number of temples, and is popularly known as 'Kashi of Vidarbha'. Though major population of the area is belonging to economically lower group, it has produced many intellectuals in the past, of which some have participated in the freedom movement of India. Around 35 years ago, in spite of having the facility for schooling education, there was no institution offering graduation in science stream within the radius of 40 km. Few of the students, particularly girl students, stopped their education after passing the 12th standard examination due to the unavailability of institution of for graduation in science stream. Considering the need, Late Dr. Dadasaheb Kalmegh, then President of Shri Shivaji Education Society, Amravati, had taken initiative of providing science stream education at graduate level. The decision taken by Shri Shivaji Education Society Amravati was welcomed and supported by the philanthropists and the local government of Pauni and hence the first batch of graduation in science had started from the academic year 1988-99 under the name of Science College Pauni. Initially, the college offered only B. Sc. in Mathematics, but in the subsequent year started B.Sc. in Biology and later in the academic year started B.Sc. in Computer Science. The college has permanent affiliation with Rashtrasant Tukadoji Maharaj Nagpur University for all the courses run in grant-in-aid basis. The institution is under the 2(f) and 12(b) norms of UGC and have utilized more than 40 plus lakh grants from the UGC, New Delhi.

From the onset to the academic year 1997, the college was run its academic activities in the rented building, however, later in the year 1997-98 it was shifted to the new building constructed on the owned land. During the course of time the college witnessed exponential growth in all aspects of education. Now, the college is offering three degree courses viz. B.Sc. (Biology), B. Sc. (Maths) and B. Sc. (Computer Science) with 400 plus strength of students. The core course is supplemented by four skill- based certificate courses in Botany, Zoology and Library and Information Science. At moment, the college is having its own two storied building accommodating spacious classrooms, well-equipped science laboratories, administrative block, library, girls' common room, computer science laboratory, Staff room, meeting room, seminar hall, ICT-enabled classrooms, spacious ground for games and sports events, gymnasium, vermicomposting facility, registered rich alumni association, active NSS unit, etc.

All the faculty members are actively engaged in research in different fields after acquiring their Ph.D. degree. The faculties have published huge number of research articles in reputed journals and also authored the Text and Reference books in different subjects. The proposal for junior wing in science stream has been approved and the first batch will be started from the academic year 2022-2023. The college planned to offer post-graduation in few

of the science subject and also to have recognition of laboratories for the active research in different subjects. Considering the social responsibility, the staff of the college has played very active role in organization of the programmes and the activities benefiting to society. The awareness programme on sustainable development and agriculture through bee keeping initiated few years back has been transformed into a mass movement now and has been appreciated by various government and non-government agencies throughout the country. The college is known for its excellence in not only for its academic activities but also extension in society-oriented activities creating employability for youth of the area and benefiting the farmers for enhancing their agricultural income through organic farming and minimizing the pesticide application and synthetic fertilizers.

2. Administrative Affairs

The college is making continuous efforts to provide higher education to the students from socially and economically weaker section of nearby area. The college endeavors to provide academic, cultural and other support to the students in particular and society in general. Academic peers, parents, guardians, alumni have appreciated the invaluable service rendered by the college. The college primarily aims at inculcation of moral and social values among the students. The college provide excellent infrastructure, teaching-learning facilities, library accommodating more than 6500 text and reference books, Journals, periodicals and other study materials, well-equipped laboratories and sports facilities to the students. The college organizes excursion and personality development programs for holistic development of students. The career guidance cell provides proper guidance to the students to facilitate them in career development and placement. The institution has sizable number of students progressing to higher education in reputed institutions within the affiliating university and also out of university, in national institutions. The alumni of the college hold senior positions in government and private sector. During this academic year faculty members, three faculty members namely Dr. K. B. Nagarnaik, Head, Department of Zoology, Dr. A.K. Aney, Head, Department of Botany, Dr. S.I. Ghugal, Department of have been promoted from Associate Professor to Professor grade under UGC-Career Advancement Scheme (CAS), whereas, Dr. S.D. Raibole, Librarian have been promoted to Associate grade.

The college is permanently affiliated to RTM Nagpur University, Nagpur since academic session 2005-2006 for the subject compulsory English, compulsory Marathi, Physics, Chemistry, Mathematics, Botany, Zoology and Computer Science. The college has already been affiliated to UGC under 2(f) and 12(B) norms and have been accredited by NAAC at 'B' grade with CGPA 2.28 at second cycle.

Owing to the implementation of nationwide lockdown by the central government, all the academic activities were stopped due to pandemic caused by Covid-19. Hence, as per the decision taken by the parent organization in accordance with the guidelines prescribed by the affiliating university and the state government, the institution has taken initiatives of delivering the lectures through various software applications, either provided by the parent organization or the applications like Google Meet, Zoom software. All the university theory and practical examinations were also conducted through online mode at the institution level. The new academic session 2020-21 was commenced from 15.06.2020. Owing to the corona pandemic, the teaching-learning process was carried out through online mode.

A. Infrastructural Development:

At present collage has adequate infrastructure for teaching and learning process having well-equipped laboratories, classrooms, seminar hall, common room for Girls, administrative block, Library, playground, etc. Construction of new block has fulfilled the infrastructural requirement at some extent. Construction work of protective compound wall, canteen and extension of library has been undertaken with the help of financial support rendered by the parent organization. The budget estimate prepared for the construction work, with outlay of Rs. 80 lakhs have been provided by the parent organization.

B. Financial Budget, Expenditure:

Budget allocation and expenditure for infrastructure augmentation for year 2020-21

Heads	Budget Allocation for Infrastructure Augmentation in Rs.	Budget Utilized for Infrastructure Augmentation in Rs.
Furniture	150000	162836
Equipment expenditure	470000	35400
i)Computer and Software		
ii)Lab. equipments		135122
iii) Office equipments		0
Fixture and fitting	15000	0
Maintenance of college	750000	6240
Total Rs.	1385000	339598

Expenditure incurred on the maintenance for year 2020-21

Academic Facilities Heads	Budget Allocation for Academic Facilities Maintenance in Rs.	Budget Utilized for Academic Facilities Maintenance in Rs.	Physical Facilities Heads	Budget Allocation for Physical Facilities Maintenance in Rs.	Budget Utilization for Physical Facilities Maintenance in Rs.
University Fee paid	0	123780	Maintenance of building	750000	6240
Architectural fees	0	10500	Maintenance of equipments	50000	15163
Audit fee	40000	19647	Office equipments repair	5000	49270
Yearly affiliation fees	15000	16300	Laboratory expenditure	300000	54990
University NSS fee	0	8480	College garden fee	0	6500
Non Agri. tax	0	1160	College website	0	18158
Advertisement fee	22000	13125	Electricity and gas	75000	43990
Municipal Taxes	20000	12756	Labour charges	0	16000
Bank charges	8000	4544	Internet charges	0	39200
CD/LMCC meeting expenses	30000	34485			
DD commission	0	938			
Service charges	0	6325			
Petty contingency	0	26101			
TA DA and transport allowance	55000	25236			
Consultancy services	0	76000			
Junior College Proposal	0	30000			
Stationary and printing	75000	79126			
Honorarium	720000	358000			
Seminar and Workshop	0	14630			
Unnat Bharat Abhiyan	0	5000			
Games and Sports Fee	65000	29970			
Extra Curricular Activity	60000	11195			
Short term course fee	0	5280			
Misc expenses	0	500			
Total Rs.	1110000	913078	Total Rs.	1180000	249511

C. Academic/Curricular activities:

The teaching faculties including regular and CHB of all departments have focused to complete the major part of the theory and practical in due course of time, quite advance of the commencement of the University examinations. All departments had prepared teaching schedule in advance and tried on its level base to prepare the students for the university examination. The curricular activities have been completed under following heads.

1. **Teaching method:** To stop the spread of Covid 19 pandemic, college has adapted online teaching method as per the government's Covid-19 rules and regulations for this academic year 2020-21. The parent organization Shri Shivaji Education Society Amravati has provided an authorized, 'Learning Management System' (LMS) software to all colleges belonging to society. The lectures of the faculties were automatically recorded and students could see the lecture at any time. However, most of the students in the college are from small village of Pauni tahasil and they were facing network problem to attend the online lecture. Hence the most of the faculties of all the departments have prepared their own notes, power point presentation and that was circulated among students through WhatsApp groups. The traditional blackboard method was supported by the advance method of delivering lectures with the help of well-prepared power point presentations (PPTs). Even though lectures are in online mode, the students were allowed to interact with the teachers so as resolve their queries regarding the topics earlier taught. The practical and related theory was thought to students via online mode and the practical related videos were sent on WhatsApp groups. The students were given the sort of questions that could be asked in viva at the time of annual practical examination.
2. **Home Assignments:** The students of different semesters have been given specific topics from among the syllabus and asked them to prepare the topic and submit the write-up by going through various books., e-books available with them. The assignments submitted by the students were evaluated by the teaching faculties of all departments and the record of each subject is kept with the corresponding departments.
3. **Result analysis:**

The progress of students in the university examinations was analyzed by the result analysis of concerned subject. For the session 2020-21 for final year university examination total 183 students attended and 183 students passed and 128 stood in first class division. The details of the result analysis is given at the end of the report.

Committees of Curricular Activities:

For smooth organization of curricular activities there is formation of different committees in the college. This will pave the way for proper institutional management. These are as follows:

- | | |
|---|--|
| 1. College Development Committee | 20. Student Council |
| 2. Internal Quality Assurance Cell IQAC | 21. Stock Verification Committee |
| 3. College Council | 22. Botanical Garden Maintenance Committee |
| 4. Academic and Administrative Committee | 23. Alumina Association Committee |
| 5. Admission Committee | 24. Student Welfare Committee |
| 6. College Examination Committee | 25. Ragging Prevention Committee |
| 7. Academic Calendar, Prospectus and Time table Committee | 26. Counseling Committee |
| 8. Grievance Redressal Committee | 27. Research Promotion Committee |

- | | |
|---|---|
| 9. Cultural Committee | 28. Steering Committee |
| 10. Academic Affair Committee | 29. Planning Committee UGC scheme and Project |
| 11. Games and Sports Committee | 30. Industry/institution Interaction Cell |
| 12. The Right to Information Act-2005 Committee | 31. Competitive Examination Committee |
| 13. Campus Development Committee | 32. Feedback Analysis Cell |
| 14. Purchase Committee | 33. College Magazine Committee |
| 15. Public relation and Publication Committee | 34. Women Redressal Committee |
| 16. Study Tour Committee | 35. SC/ST Crime Prevention Cell |
| 17. Employment Counseling and Placement Cell | 36. Life Long Learning and Extension Cell |
| 18. Advisory Committee for Library | 37. Mentor Mentee Committee |
| 19. NSS Committee | 38. Website updating Committee |

3. Departmental Activities:

I. Department of Botany:

Academic Activities

- Dr. SI Ghugal has collected and compiled the data on the Criteria I (Curricular Aspects) assigned to him, whereas, Dr. Avinash Aney has monitored the academic and co-curricular activities of the college. He incorporated few of the innovative ideas in order to enhance the overall academic standard of the institution.
- Dr. Avinash K. Aney has attended 02 national level conferences, published one research articles in the reputed journals.
- Dr. SI Ghugal, 'Meittopalynological Studies on Pollen Load of *Apis Cerana indiacae* from Pauni Region of Bhandara District Maharashtra', Bioinfolet, Vol.17, Issue-3B, pg. 507-511, 2020.
- Dr. Avinash Aney, being the member of BOS in Botany has worked in the sub-committee for preparation of Programme and Course Outcomes in the subject, at the university level. In capacity of member of Board of examination, he worked on the moderation committee of paper settings.
- Dr. Avinash K. Aney, IQAC-Coordinator has compiled the data for the preparation of AQAR, IIQA and SSR to be submitted for assessment and accreditation to NAAC for the third cycle.

Co-curricular activities:

- Dr. Avinash Aney, IQAC Coordinator has organized University Level Online Quiz competition on 28th February, 2021 on the occasion of National Science Day, Birth anniversary of Indian Noble Lorentz 'Dr. C.V. Raman'.
- Dr. Avinash K. Aney organized four workshops on understanding of different criteria in the revised framework of assessment and accreditation by NAAC. He delivered the talk as a resource person in capacity of IQAC Coordinator.
- Dr. Avinash K. Aney has also organized one workshop on Students Satisfaction Survey (SSS) for making the students aware about the questionnaire provided by NAAC.
- **Tree plantation:** The teaching faculty and the students of the department have actively participated in plantation program organized in the college on 15th August, 2020 on occasion of Independence Day

II. Department of Chemistry:

Academic Activities:

- All the faculties of the Department of Chemistry namely Dr. B. D. Gharde, Mr. A. B. Sahare Dr. Mrs. P. D. Dethe Dr. Ms. R. R. Jain Mr. S. N. Pawar had presented at least one research papers in different National Conferences.
- **B. D. Gharde**, A.D. Gharade, 'Effective Removal of Cu(II) from Aqueous Solution using Acacia Arabica Tree Bark Sustrate', International Journal of Scientific Research in Science and Technology, vol.7, Issue. 2, pg.97-104, 2020
- **A.B. Shahare, B. D. Gharde**, 'Adsorption of hg and pb on bio-adsorbent prepared from roots of Mangifera indica', **BIOINFOLET, Vol.17, Issue.3b, pg.467-470, 2020**
- Prof. A. B. Sahare published two research papers in UGC-CARE listed journal.
- Dr. Mrs. P. D. Dethe published two research papers in the international journals.
- **Rini Jain**, Rhishikesh Bagul, Pravin Wadekar and Surajit: Some, 'Greener approach towards the synthesis of graphene nanosheet and its application in supercapacitor', *Journal of Materials Science: Materials in Electronics*, vol. 32, pg. 13100–13107, (2021).
- A book chapter in Wiley Science Library by **Rini Jain, Satyendra Mishra**, 'Conducting Polymer Carbon-Based Binary Hybrid for Supercapacitors'.

Co-curricular activities: The co-curricular activities that have been organized by the department as follows:

- The department of Chemistry has organized "**Online Intercollegiate Quiz Competition on Chemistry Practical**" on **26th March, 2020**. Total number of 486 students of different colleges participated in the competition. E-certificates were issued to all participant and winners were felicitated by the college.
- Prof. A. B. Sahare organized college level **Online Poster Competition** for students on **27th December, 2020** on the occasion of birth anniversary of Dr. Panjabrao alias Bhausaheb Deshmukh. The theme of the competition was the current burning issues of "**Corona Virus Outbreak and Its Worldwide Effects**". The team of Judges including Dr. A. K. Aney and Dr. B. S. Rahile was appointed for valuation of the posters received from students via mail or via whatsapp. Winners of the competition were felicitated by the Principal of the college.

III. Department of Computer Science

Academic Activities: The academic activities carried out by Dr. V.N. Patange, Head of the Department as follows:

- Five-day online **Faculty Development Program** on 'Evolution from offline to online teaching', Online Mode, 30th May 2020 to 3rd June 2020, organized by Satish Pradhan Dnyanasadhana College, Thane.
- One Week National Online **Faculty Development Program** on 'ICT tools for effective teaching learning', Online mode, 27th April 2020 to 2nd May 2020 School of management of mathematical science, organized by Swami Ramanand Thirth Marathwada University Nanded.
- National online **Faculty Development Program** on 'the power of emotional intelligence of teacher and how to raise it', Online 16 May 2020, organized by Atmiya university Rajkot Gujarat, India
- One day **online multidisciplinary international conference** on 'health hygiene and higher education; Online mode, on 30 May 2020, Organized by Department of Zoology and Economics Sant Rawool Maharaj Mahavidyalaya Kudal and University of Mumbai and UGC

- National webinar on ‘why EQ matters more than IQ’. Online mode on 21 May 2020 Organized by D.S.N.(P.G.) College Unnao
- National webinar on ‘future of higher education’ Online 14 May 2020, Shri Vaishnavi College of Commerce Indore.
- International online workshop on “nanomaterial synthesis is emerging facet of the world”, Online, 20 May 2020, Organized by Late Pushpadevi Patil Arts and Science College Risod.
- One day National webinar on ‘effective ways to develop E-content’ was organized through online mode, 09th May 2020, organized by Smt Devkiba Mohansinhji Chauhan College of commerce and Science.
- National Conference on Digital India challenges and opportunities. Online mode, on 21 February 2021, Organized by Excel research management association
- National webinar on the impact of learning space on educational ecosystem, Online mode on 18 April 2021 Organized by Department of physics and electronic and ch.s.d.st. Theresa’s college for women Eluru.
- Online quiz on revised accreditation framework of NAAC. Online mode, on 10 May 2020 Organized by Dr. Tatyasaheb Natu college of Arts and Senior College of Commerce, Margtamhane.
- Online quiz covid-19 pandemic general awareness quiz, Online Mode, on 21-04-2020, Organized by R.B. Atal College Georai.

Co-curricular activities: The co-curricular activities organized by the department as follows:

- **Inauguration of Computer Society:** The department of Computer science has formed Computer Society in the beginning of college session. Each student having computer subject was the member of the computer society. The executive body of 15 members was formed with the consent of each student.

IV. Department of Physics

Academic activities of the department are as follows:

- Dr. S.B. Banakar has awarded the Ph.D. degree from RTM Nagpur University on 4th Feb. 2021.
- **Research papers published:**
 - S. B. Bankar, N. S. Meshram, A. K. Nandanwar, H. S. Ahamad, S. J. Dhoble & K. G. Rewatkar, Title ‘Synthesis and Characterization of Nanocrystalline $\text{Ca}_2\text{Cu}_2\text{Fe}_{(12-x)}\text{Al}_x\text{O}_{22}$ Y-Type Hexaferrites by the Sol–Gel Combustion Method’, Integrated ferroelectrics, Vol. 212, pg.25-30 (2020)
 - S.G. Chavan, A.N. Tarale, D.J. Salunkhe, Title ‘Synthesis and characterization of strontium-doped Barium Titanate thin film by dip and dry technique’, Journal of Advanced Dielectrics, Vol. 11, No. 1 (2021) 2150002.
- The research paper entitled ‘Dielectric properties and Impedance spectroscopy of BST Thin films on LNO coated Si substrates by sol gel method’ is presented by **Dr. A.N. Tarale** in

Fifth **International Conference on Advanced Materials** organized by Raje Ramrao Mahavidyalaya, Jat, Dist. Sangali on 6th and 7th June 2020.

- Dr. A.N. Tarale was appointed as a reviewer for one day National Web Conference organized by Willingdon College Sangali on 5th March 2021.
- **Book Chapters published in Edited book by Dr. A.N. Tarale:**
 - 1) Akin Kambale, S. S. Veer, N.T. Padal, A.V. Rajagure, S. R. Jagajeni, and **A.N. Tarale**, ‘Synthesis And Characterization Of BaTiO₃ Synthesized By Hydroxy Co-Precipitation Method’, Progression in Science and Technology, ISBN – 978-81-948061-2-7 (2021), 114-117.
 - 2) A. V. Rajgure, **A. N. Tarale**, D.R. Bijwe, ‘Synthesis And Characteristics of CdO Doped Polyaniline NANO Composites’, Progression in Science and Technology, ISBN – 978-81-948061-2-7 (2021), 110-113.
- Dr. A.N. Tarale has completed his first Orientation Program with A grade organized by Ramanuj College delhi from 24th June to 26th 2020.

Co-curricular activities:

- **Essay Competition:** Dr. Arjun N. Tarale has organized, Essay Competition on 26th December 2020, Birth anniversary of Dr. Panjabrao Alias Bhausaheb Deshmukh.
- **Debate competition:** Dr. Arjun N. Tarale had worked as member of Jury panel for Debate competition organized by Dr. P.D. Dethe on 26th December 2020.
- **National Science Day:** Department faculties have actively participated in University Level Science Quiz competitions in online mode organized by IQAC on the occasion of National Science Day, Birth anniversary of Indian Noble Lorentz ‘Dr. C.V. Raman’.

V. Department of Mathematics:

Co-curricular activities: The teaching faculties of the department could not focus much on organization of co-curricular activities due to worldwide pandemic of Covid-19. Few co-curricular activities that have been organized by the department as follows:

Poster Competition: Prof. V. V. Lapse organized college level Online Poster Competition for students on **22nd December, 2020** on the occasion of birth anniversary of great Indian Mathematician Shrinivasa Ramanujan. Total 6 students participated in the poster competition. The team of Judges including Dr. A. N. Tarale and Dr. R. Jain was appointed for valuation of the posters received from students via mail or via WhatsApp. Winners of the competition were felicitated by the principal of the college.

VI. Department of Zoology

Academic activities: Lectures delivered by Dr. B S Rahile in different workshops and national Webinars are as follows.

- Lectures Topic “Beekeeping and cross pollination” at ‘ State level virtual Workshop on Apiculture Workshop’ organized by B. P. Arts, S. M. A. Science and K. K. C. Commerce College Chalisgaon, Dist. Jalgaon on 8th June 2020.
- One day National Webinar on “Role of Bees as Pollinators & its Conservation” organized by Vidyharti College Seloo and New Arts Commerce College Wardha on 29th August 2020.
- Lecture on “Apiculture” organized by BOTANY 4U IN ONE WEEK INDUCTION PROGRAM FOR STUDENTS OF LIFE SCIENCE from 15th to 20th December 2020.
- A lecture on “Sustainable development through Livelihood” organized by Late N.P.W. College Chopra Dist. Gondia on 2nd March 2021.

Co-curricular activities:

- **National e- Seminar: Bio prospecting through Apiculture: Post Covid 19 Scenario In India:** World Honeybee Day 2020 was celebrated by organizing National e- Seminar on “Boiprospecting through Apiculture: Post Covid 19 Scenario In India” on 20th May 2020. The National Seminar was jointly organized by Khadi and Village Industries Commission (KVIC), Divisional Office Nagpur, Post Graduate Teaching Department of Zoology, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur, Centre For Sericulture and Biological Pest Management (CSBR), Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur, Science College Pauni Dist. Bhandara, Tai Golwalkar Mahavidyala Ramtek Dist. Nagpur and Saibaba College Parsivni, Dist. Nagpur. National e- Seminar was conducted on google meet e platform, the telegram channel was opened and participants have given google form link on which they registered and total 594 participants registered and the link of google form shared on the same telegram channel.
- **Wild Life Week Celebration:** Wild Life Week is celebrated between 3rd to 8th October 2020 by organizing Wildlife Lecture Series, Poster and Wild life photo Competition jointly organized by CSBR, RTM Nagpur University Nagpur, Science College Pauni and Tai Golwalkar College Ramtek on Google meet Platform. Total 164 participants from various colleges participated in Lecture series. Dr S K Raina, International Technical Advisor, RTM Nagpur University Nagpur, Dr M M Rai, Director CSBR, RTM Nagpur University Nagpur, DR Kalpana Chinchkhede, RFO, Nagpur, Dr Mayur Kathe, Veterinary Officer were resource persons for lecture series.

4. Library

The library services available in the college library are as follows:

- Total number of Text Books and Reference Books available in the library are 3592 and 2710 respectively.
- Library is partially automated with updated version of cloud based Library Management LIBMAN Software. Which include online public access catalog **OPAC** facility.

- For the e-resource e-books, e-journals facilities for students and faculties, the College INFLIBNET NLIST <https://nlist.inflibnet.ac.in/> registration have done. Other available e-resource facilities are SCIENCE DIRECT, Rare Book Society of India, NPTEL.
- Research Journals available in the library are Current Science Every Man Science, Indian Journal of Computer Science and Journal of Cytology and Genetics.
- Periodicals and Magzines available in the library are Yojna, Chanykya Mandal, Down to Earth and University News.
- Newspapers available in the library are Loksatta, Lokmat Tarun Bharat The Hitwada Navbharat.
- Library provides book Bank and book circulation facilities for students and faculties.
- Due to Covid 19 pandemic situation, new books have not purchased in this academic year.

Year wise List of Work Shop / Conferences / Symposium / seminars Attended

- Facing Re-Accreditation Process with New Quality Indicator Framework organized by IQAC of Cluster of college, held on 03/03/2020 at Pri. Arunrao Kalode Mavidyalaya, Nagpur
- Awareness Program on use of online E-resources organized by SONOPANT DANDEKAR Arts, V S Ape Commerce & M H Mehta Science College on dated 06 June 2020.
- Career Opportunities after 12th St. Joseph Junior College, Satpala on 30/05/2020.
- The use of ICT in teaching learning process, Jeevan Vikas Mahavidhyalaya, Devgram on dated 20 may 2020
- Stress Management During Covid-19 Dayanand Arya Kanya Mahavidhyalaya, Nagpur on dated 4 June 2020.
- Intellectual property Rights and patents on 11 may 2020 at Vasanntrao Kolhatkar Arts College, Rohna.

Research Paper Publication

- Corona Mahamari kal me pustkalyo me digital taknikika ka mahatv or upyog, Dustikon (Hindi) j1n-Feb.-2021
- A review E-Content and Digital Learning, International Journal of Multidisciplinary Educational Research, March-2021
- Library Professional in infospero Challenges and tactics, International Journal of Creative Research Thoughts issue-vol-9, Issue -3, March-2021
- The professionalization of librarianship the present perspective, Research Journey International E-research Journal E-ISSN -2348 7143, 2021

5. Physical Education

As per the governments rules and regulations of Covid 19 pandemic Department of Physical education has not conducted/organized any sports or games activities in the college campus.

6. National Service Scheme Department

- The National Service Scheme unit of Science College Pauni have been functioning well with so many activities furnishing development to the volunteers as well as the community. The Programme Officers Dr. Vithal Patange and Dr. Rini Jain did their best with the support of the Principal Dr Vijay Lapse, Dr. Sanjay Raibole and all Teaching and Non-Teaching members in the college.
- In the academic year 2020-2021, a total of 100 volunteers from the National Service Scheme are admitted and actively engaged. There are 26 boy's volunteers and 74 girls volunteers.

The details of the NSS Activities during the year are as follows:

i. Tree Plantation

On 10th August 2020, the National service scheme volunteers, in along with the Programme Officer, carried out a tree plantation at Nilkanteshwar Temple Pauni. Under this initiative, a total of 10 trees were planted. 27 students, 8 professors participated. Program Officer of National Service Scheme of the College Dr. Vithal Patange, Dr. Arjun Tarle, Prof. Sharad Pawar were actively participated in this initiative. The principal of the college Dr. Vijay Lapse provided guidance for the program. The program was planned by volunteers of the National Service Scheme of the college, Akhil Mundle, Rutuja Awsare , etc.



Tree plantation Program

ii. Covid-19 Pandemic Awareness Programme along with Mask and Sanitizer Distribution in the Pauni

On Tuesday, 03 of October, NSS Team from Science College, Pauni Visited different area of Pauni such as Market area, Hospital, Gandhi Chouk, etc. and around 35 Volunteers participated in the program. The main motto of these program was to create Covid-19 awareness among the people and distribution of

mask. The program was inaugurated by Dr. Vijay Lapse Principal, Science College, Pauni. The Program officer Dr. Vithal Patange and Dr. Rini Jain and also volunteers have taken initiative for this program.



Mask and Sanitize Distribution Activity

मजदूरों को बांटे मास्क

» रासेयो ने चलाया उपक्रम



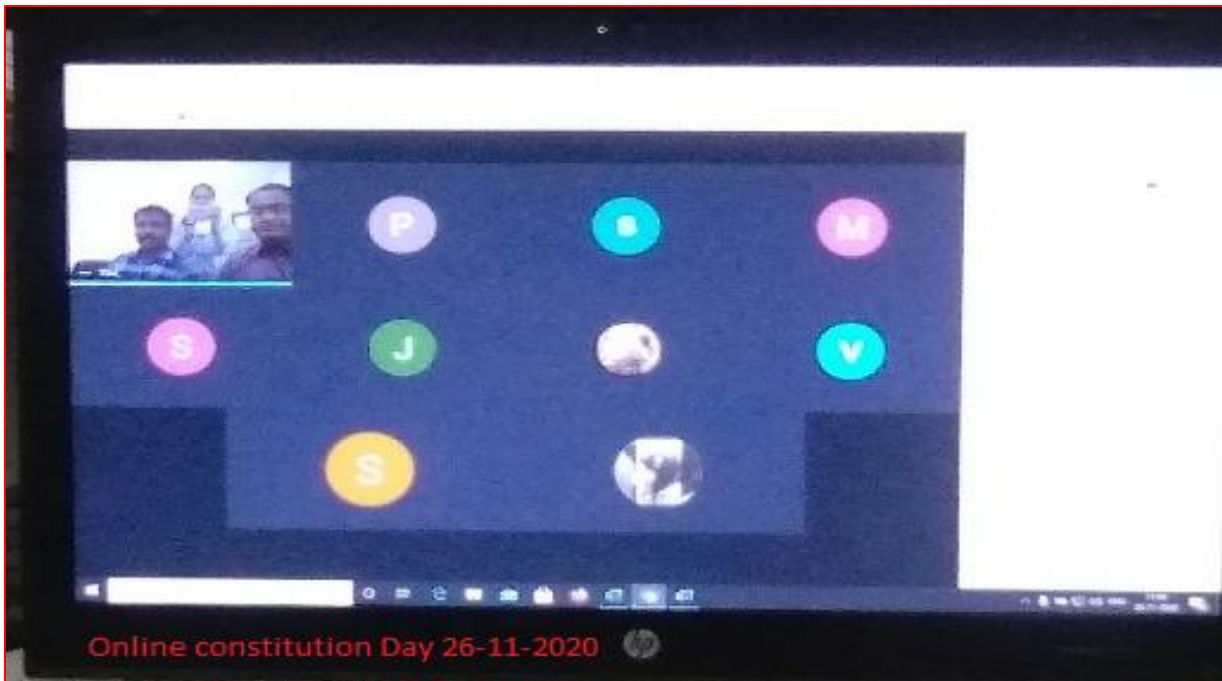
संवाददाता | पवनी (भंडार)

श्री शिवाजी शिक्षण संस्था अमरावती द्वारा संचालित विज्ञान महाविद्यालय पवनी में राष्ट्रीय सेवा योजना अंतर्गत देश समेत शहर में कोरोना वायरस के बढ़ते प्रभाव को देखते हुए जरूरतमंद विद्यार्थियों को, सब्जी विक्रेता, खेतिहर मजदूर, रोजमजदूरी करने वाले, ग्रामीण अस्पताल के मरीज, जरूरतमंद नागरिकों को कोरोना कोरोना के बारे में जानकारी दी गई।

उक्त विषय को लेकर कार्यक्रम अधिकारी राष्ट्रीय सेवा योजना प्रमुख प्रा. डॉ. विठ्ठल पतंगे व डॉ. रिनी जैन सहायक कार्यक्रम अधिकारी ने योग्य मार्गदर्शन कर मास्क व सैनिटायजर का वितरण किया। इस समय प्राणी शास्त्र विभाग प्रमुख डॉ. किशारे नगरनाईक, रसायनशास्त्र प्रमुख डॉ. धरडे, डॉ. संजय रायबोले उपस्थित थे। कार्यक्रम की सफलता के लिए महाविद्यालय के विद्यार्थियों ने प्रयास किया।

iii. Constitution Day

NSS Program officer Dr. Vithal Patange and Dr. Rini Jain organized Constitution Day on 26th November 2020 in online mode. On the occasion of Constitution Day, Dr. V. V. Lapse, Principal of College and Dr. Sanjay Raibole, Librarian delivered the talk through online mode.



Constitution Day Activity 26-11-2020

iv. Blood Donation/Eye/Health Camp

NSS Program officer Dr. V.N. Patange and Dr. R. R. Jain organized blood donation camp in the college in collaboration with Rural Hospital Pauni on 26th December 2020 on the occasion of Birth anniversary of Dr. Panjabrao alias Bhausaheb Deshmukh, Founder President of Shri Shivaji Education Society Amravati. Number of students and the staff have participated and donated 40 units of blood. In addition, Eye and Health check-up camps were also organised by NSS department of the college.



Blood Donation activity 26-12-2020



Health Camp Activity



Eye Check-up Camp

7. WOMEN REDDRESSAL CELL

Summary of event organized

- 1.** Dr. P.D. Dethe organized Online Elocution Competition on 26/12/2020. Prof. Sharad Pawar, Department Chemistry, Science college Pauni, Dr. Arjun Tarale, Department of Physics, Science College, Pauni were Resource Persons for the program.
- 2.** Dr. P.D. Dethe Organized Webinar on topic 'Current Lifestyle and its issues' on 08/03/2020. Dr. Megha Kelwade, BAMS, CGO, CCH, Nisarga Ayurved Chikista and Panchkarma Centre, Nagpur were Resource Persons for the program.

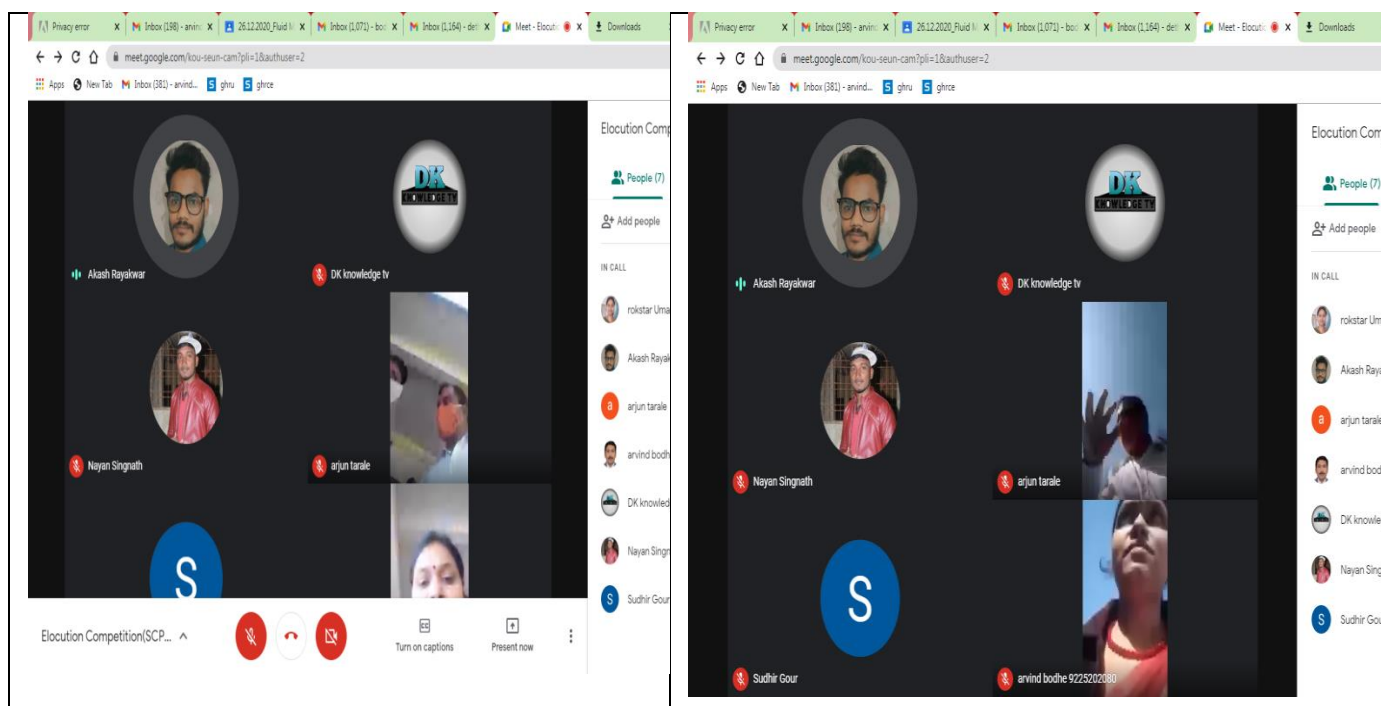
Safeguard the rights of female students, women faculty and staff members is the prime objective of the women redressal cell. It also provides a platform for redressing the grievances of the girl students and the women in the staff. The cell also encompasses various activities leading to the good hygiene and to maintain the healthy atmosphere in and around the campus. The actively working cell helps in facilitating timely resolution of the grievances and impartial justice based on the merits. Similarly, the provide the sound platform for counseling the girl students. Consequences of the already created healthy environment by the institution has resulted in no receipt of any complaint or grievances from the girl students either in writing or oral, during the academic year 2020-21.

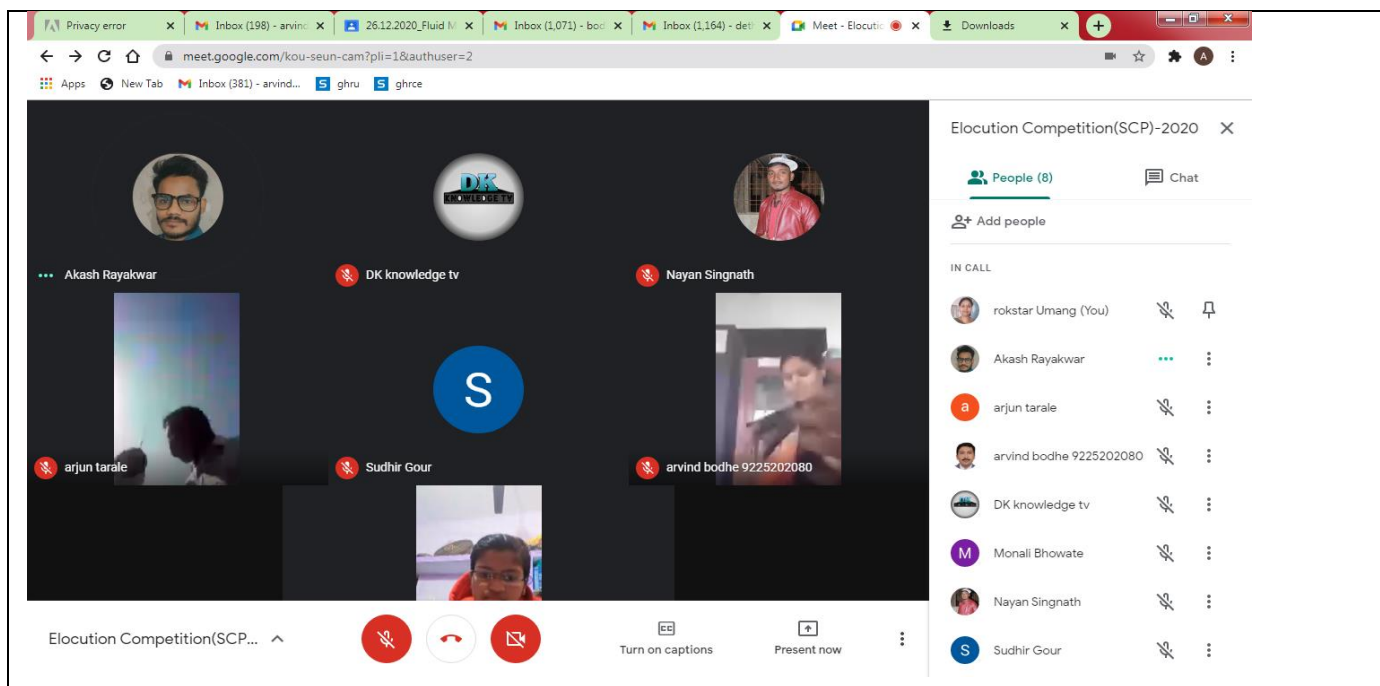
Activities organized:

Due to worldwide pandemic caused by Covid-19 the central and state government declared and extended the lockdown period from time to time. Hence, the offline activities were almost stopped during the academic year 2020-21. Considering the need of keeping the students confident and in order to encourage them, the women redressal cell has organized few of the activities through online mode.

1. Elocution competition:

Every year the institution pays homage to the great visionary Late Dr. Panjabrao alias Deshmukh, the Founder President, Shri Shivaji education Society Amravati on his birth anniversary. Generally, the student's social gathering is organized on that occasion. However, it couldn't be possible to have a social gathering for students due to pandemic caused by Covid-19 during the academic year 2020-21. Till then, as per the decision taken and the directives of IQAC, the women redressal cell have organized online elocution competition for the students on the topic entitled 'Late Panjabrao alias Bhausaheb Deshmukh: A versatile personality'. The event was organized on 26th December, 2020 through online mode. The students were notified earlier and were encouraged to participate in the event. The event was organized with the aim of letting the students know about the great visionary and to see the elocution skill of the students by putting their views on the biography of our founder president. Dr. Arjun Tarale, Department of Physics and Prof. Sharad Pawar, Department of Chemistry were invited as a jury member for the elocution competition. The participating students were screened based on their oratory skill. In all five students were selected as finalist which were given 5-minute time for their online speech, out of which three students were nominated for first, second and third prizes.





1. E-webinar on Current lifestyle and its issues:

In order to make the students aware of the changed lifestyle due to Covid-19, the women redressal cell has organized e-webinar on ‘current lifestyle and its issues’ on 8th March, 2021. The webinar was aimed at the changed in life pattern and consequently the health issues arise out of that changing pattern. Dr. Megha Kelwade, CGO, Nisarga Ayurveda Chikista and Panchakarma Centre, Nagpur was invited as a resource person to deliver a talk on the topic through Zoom Meet.

Dr. Pragati D Dethe, Assistant Professor, Department of Chemistry and convener of Women Redressal cell, hosted the webinar. The students and the faculty members were notified to join the webinar by providing the associated link. Dr. A. K. Aney, IQAC-coordinator, during his introductory remarks encouraged the students to overcome the pandemic situation. He also talked on the need of online interaction as an alternative mode of teaching-learning process and various other activities. Dr. Pragati D Dethe, Convener, WRC introduced and welcomed the guest speaker Dr. Megha Kelwade. While addressing the students the resource person explained about the consequential physical and mental effects due to modern and changed lifestyle. The speaker has provided the detailed information regarding the health-related habits associated with the modern and changed lifestyle. The speaker summarized the causes of stress on the on the physical, and mental health of the individual. So, it was necessary to understand the necessity of the certain modernizing things to be a part of our life that may sometimes be harmful to our mental, physical and the social health. The e-webinar was attended by 110 participants including students and the faculty members of the college. The webinar was summed up with the vote of thanks proposed by Dr. Rini Jain, the member of women redressal cell.

Shri Shivaji Education Society Amaravat's

Science College , Pauni

Webinar on
"Current Lifestyle and its Issues"



Date 08/03/2021 11.00 pm

Organized By
Women Redressal Cell

Dr. Megha Kelwad

(BAMS, CGO.CCH)

Nisarg Ayurved Chikitsa &
Panchakarma Center, Nagpur

Link :-

<https://meet.google.com/dnb-ihbu-ucu>

Event Coordinator
Dr. Pragati Dethé

Coordinator IQAC
Dr. Avinash Anney

Principal , SCP
Dr. Vijay Lapse

8. RESULT ANALYSIS FOR THE YEAR OF 2020-2021

**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, PAUNI, DIST.BHANDARA
RESULT ANALYSIS FOR THE YEAR OF 2020-2021
B. Sc. (Biology)**

Course	Subject	Class	Sem.	No. of students appeared	No. of students passed	Passing %	No. of students in distinction	No. of students in 1 st division
Biology (CBZ)	Botany	B.Sc. I	I	50	49	98	1	29
			II	49	49	100	11	38
		B.Sc. II	III	61	58	96	19	38
			IV	61	60	98	16	36
		B.Sc. III	V	93	93	100	26	66
			VI	93	93	100	26	66
	Zoology	B.Sc. I	I	49	48	87	10	29
			II	49	49	100	7	40
		B.Sc. II	III	61	58	95	6	3
			IV	60	59	98	18	34
		B.Sc. III	V	93	93	100	11	65
			VI	91	91	100	26	65
	Chemistry	B.Sc. I	I	50	48	96	02	30
			II	49	49	100	01	13
		B.Sc. II	III	51	49	96	06	32
			IV	61	59	97	01	43
		B.Sc. III	V	93	92	99	03	63
			VI	93	92	98	13	76

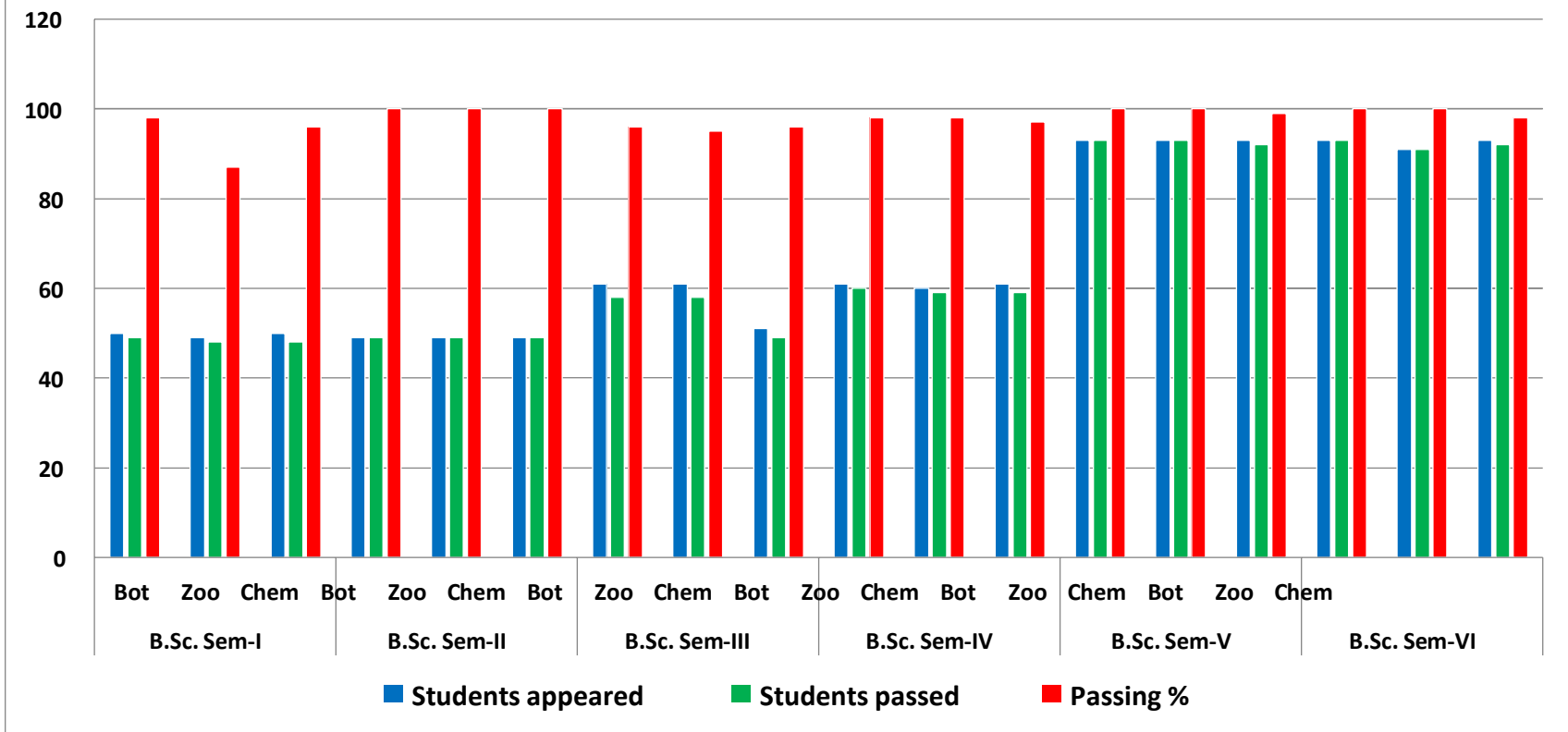
**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, PAUNI, DIST.BHANDARA
RESULT ANALYSIS FOR THE YEAR OF 2020-2021
B. Sc. (Mathematics)**

Course	Subject	Class	Sem.	No. of students appeared	No. of students passed	Passing %	No. of students in distinction	No. of students in 1 st division
Mathematics (PCM)	Chemistry	B.Sc. I	I	38	38	100	03	26
			II	38	37	97	-	22
		B.Sc. II	III	58	53	91	02	24
			IV	52	52	100	06	39
		B.Sc. III	V	60	60	100	13	40
			VI	60	60	100	-	09
	Mathematics	B.Sc. I	I	38	37	97	-	04
			II	38	38	100	-	09
		B.Sc. II	III	51	51	100	04	19
			IV	52	52	100	04	28
		B.Sc. III	V	60	59	98	06	27
			VI	60	59	98	01	24
	Physics	B.Sc. I	I	38	37	97	04	27
			II	38	38	100	32	05
		B.Sc. II	III	51	51	100	-	32
			IV	52	52	100	05	40
		B.Sc. III	V	60	60	100	05	41
			VI	60	60	100	15	37

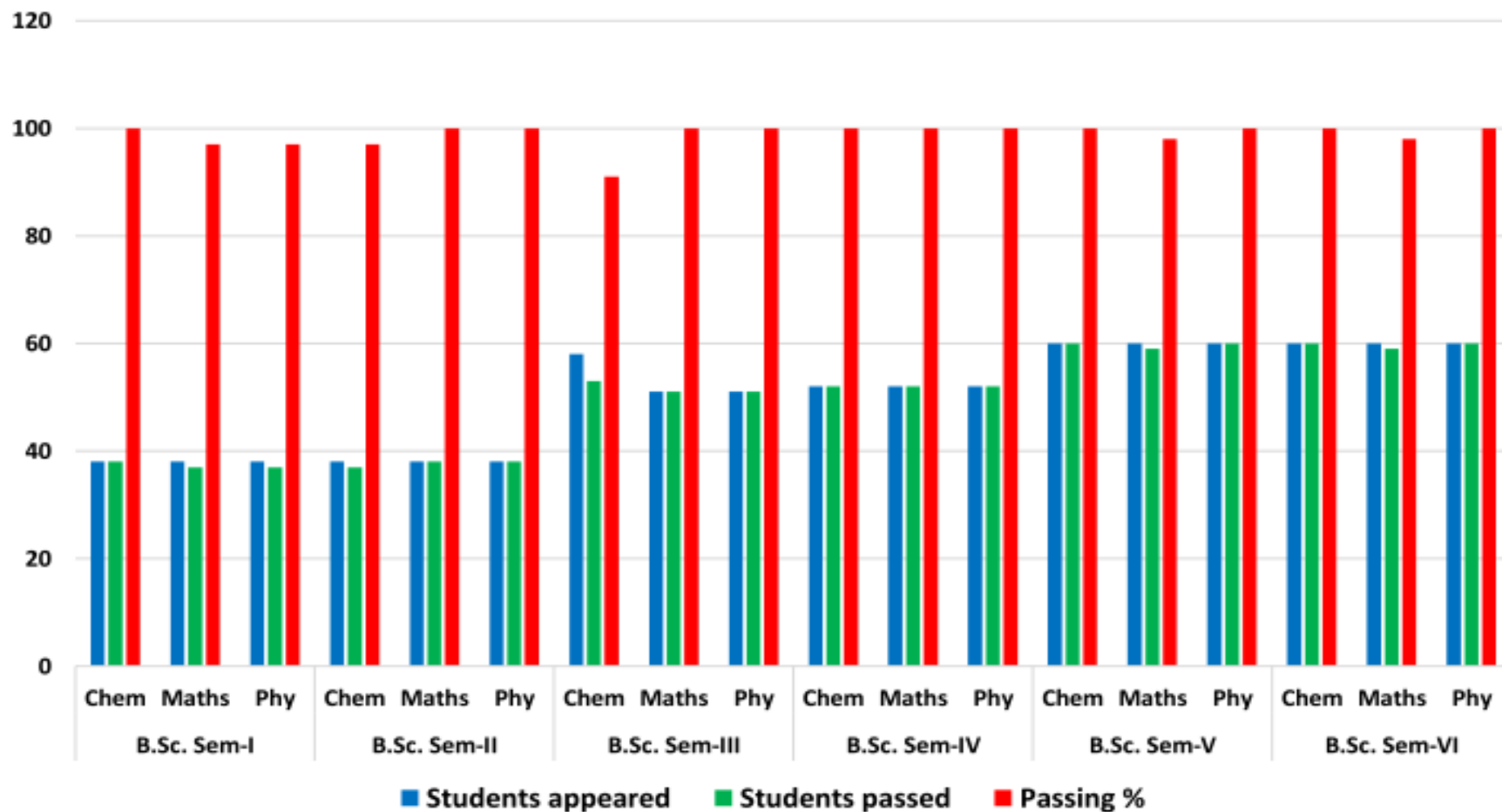
**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, PAUNI, DIST.BHANDARA
RESULT ANALYSIS FOR THE YEAR OF 2020-2021
B. Sc. (Computer Science)**

Course	Subject	Class	Sem.	No. of students appeared	No. of students passed	Passing %	No. of students in distinction	No. of students in 1 st division
Computer Science (C/S)	Computer Science	B.Sc. I	I	27	26	96	05	15
			II	26	25	96	08	14
		B.Sc. II	III	31	30	97	04	23
			IV	31	31	100	15	16
		B.Sc. III	V	36	35	97	20	14
			VI	36	36	100	09	27
	Mathematics	B.Sc. I	I	26	26	100	-	07
			II	25	25	100	-	09
		B.Sc. II	III	31	29	94	-	06
			IV	31	31	100	01	17
		B.Sc. III	V	36	35	97	01	07
			VI	36	33	92	-	11
	Physics	B.Sc. I	I	26	26	100	02	19
			II	27	26	96	24	02
		B.Sc. II	III	32	32	100	01	13
			IV	31	31	100	03	20
		B.Sc. III	V	36	36	100	02	11
			VI	36	35	97	05	22

Graphical representation of Result analysis of University Examination for the academic year 2020-2021 CBZ Group



**Graphical representation of Result analysis of University Examination for the
academic year 2020-2021
PCM Group**



Graphical representation of Result analysis of University Examination for the academic year 2020-2021CS Group

