

Shri Shivaji Education Society, Amravati's

# SCIENCE COLLEGE

Congress Nagar, Nagpur - 440 012 (M.S.) INDIA

'A+' Grade with 3.51 CGPA in 3<sup>rd</sup> Cycle
College with Potential for Excellence
Recognised Centre for Higher Learning & Research
Institutional Member of APQN
A Mentor College under UGC PARAMARSH Scheme
An ISO 21001:2018 Certified Institution
NIRF 2024 Rank-band: 201-300





4th Cycle

**Assessment & Accreditation by NAAC** 

# **CRITERIA-II**

2.3.1: Student Centric Methods, such as Experiential Learning, Participative Learning and Problem Solving Methodologies are used for enhancing learning experiences and Teachers use ICT - enabled tools including online resources for effective teaching and learning process.



Shri Shivaji Education Society, Amravati's

# SCIENCE COLLEGE

Congress Nagar, Nagpur- 440 012 (M.S.) INDIA

• Tel: +91-712 - 2423432 (O) • Telefax: +91-712 - 2440955 · E-mail: shivajiscience\_ngp@yahoo.com Web : www.sscnagpur.ac.in

Shri Harshvardhan P. Deshmukh President

Dr. Omraj S. Deshmukh Principal

- . 'A+' Grade with 3.51 CGPA (3rd Cycle) Reassessment College by NAAC, Bangalore
- A College with Potential for Excellence identified by UGC, New Delhi
- Member, APQN
- (Asia Pacific Quality Network) Recognized Centre for Higher Learning & Research
- Mentor College under 'Paramarsh Scheme' UGC, New Delhi





Dr. Panjabrao alias

Date : .....

No. Sc. ....

Self Declaration

This is to certify that, the information, reports, true copies of the supporting documents, numerical data, and weblinks furnished in this file are verified by IQAC and the head of the institution and found correct.

Dr. A. A. Halder S.S.E.S.A's Science College, Nagpur Dr. O. S. Deshmukh Principal

S. S. E. S. Amravati's Science College, Nagpur.



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		4. Scientific Model Making Competition 2021-22 <a href="https://sscnagpur.ac.in/Department/Micro-Biology/latest-new-Scientific model making competition 21-22">https://sscnagpur.ac.in/Department/Micro-Biology/latest-new-Scientific model making competition 21-22</a>	2.pdf
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2. <a href="https://sscnagpur.ac.in/Department/Computer%20Science/Bridge_cou">https://sscnagpur.ac.in/Department/Computer%20Science/Bridge_cou</a>
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Department of Biotechnology
1. <a href="https://sscnagpur.ac.in/Department/Biotechnology/Bridge Course Bio">https://sscnagpur.ac.in/Department/Biotechnology/Bridge Course Bio</a>
<u>tech_23-24.pdf</u>
2. <a href="https://sscnagpur.ac.in/Department/Biotechnology/bridge">https://sscnagpur.ac.in/Department/Biotechnology/bridge</a> course 202
<u>2-23_(1).pdf</u>
3. <a href="https://sscnagpur.ac.in/Department/Biotechnology/Bridge_Course_Bio">https://sscnagpur.ac.in/Department/Biotechnology/Bridge_Course_Bio</a>
<u>tech_21-22.pdf</u>
4. <a href="https://sscnagpur.ac.in/Department/Biotechnology/Bridge_Course_Bio">https://sscnagpur.ac.in/Department/Biotechnology/Bridge_Course_Bio</a>
<u>tech_2020-21.pdf</u>
5. <a href="https://sscnagpur.ac.in/Department/Biotechnology/Bridge_Course_Bio">https://sscnagpur.ac.in/Department/Biotechnology/Bridge_Course_Bio</a>
tech_2019-2020.pdf
Department of Microbiology
1. <a href="https://sscnagpur.ac.in/Department/Micro-">https://sscnagpur.ac.in/Department/Micro-</a>
Biology/Bridge_Course_Micro_23-24.pdf
2. <a href="https://sscnagpur.ac.in/Department/Micro-">https://sscnagpur.ac.in/Department/Micro-</a>
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3. <a href="https://sscnagpur.ac.in/Department/Micro-">https://sscnagpur.ac.in/Department/Micro-</a>
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4. <a href="https://sscnagpur.ac.in/Department/Micro-">https://sscnagpur.ac.in/Department/Micro-</a>
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5. https://sscnagpur.ac.in/Department/Micro-
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Department of Geology
1. https://sscnagpur.ac.in/Department/Geology/Bridge_course_2023-
24.pdf
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2. https://sscnagpur.ac.in/Department/Geology/Bridge_Course_2022-
<u>23.pdf</u>
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1. https://sscnagpur.ac.in/Department/Zoology/bridge_course_2024-
25_full.pdf
2. https://sscnagpur.ac.in/Department/Zoology/bridge_course_2023-
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4. https://sscnagpur.ac.in/Department/Zoology/brigde_course_2021-
2022.pdf
5. https://sscnagpur.ac.in/Department/Zoology/Bridge_course_2019-
2020.pdf
2020.put

# C. Field Visit and Study Tour

1. Industrial /Study Tour to K.P Solution, Nagpur-2019-20

https://sscnagpur.ac.in/uploaded\_files/1.\_Industrial\_Study\_Tour\_to\_K.P\_Solution,\_Nagpur.pdf

2. Educational Visit

https://sscnagpur.ac.in/Department/Physics/Activity-3\_2023-24\_f.pdf

**3. Industrial Visit and Faculty Development Program Orientation at TCS Nagpur Office** 

https://docs.google.com/document/d/1BOR0Qdh7NoVRG3zC\_o8hay\_C9 33wBq27-GewPK7PXqg/edit

4. Educational Visit to Raman Science Centre and Planetarium, Nagpur Competition

https://sscnagpur.ac.in/Department/Biotechnology/Raman\_science\_visit\_(2).pdf

5. Educational Visit to VNIT

https://sscnagpur.ac.in/Department/Micro-Biology/Ext\_micro\_VNIT\_complete\_full\_report.pdf

6. Department of Botany (REPORT) - Study Tour 2023-2024

https://sscnagpur.ac.in/Department/Botany/2023-24 (16 october 2023)updated\_Study\_tour\_report (2023-2024).pdf

7. Excursion Tour to TFRI Jabalpur

https://sscnagpur.ac.in/Department/Botany/TFRI\_JABALPUR\_2023\_-2024.pdf

8. Excursion - Bor Dam in Maharashtra

https://sscnagpur.ac.in/Department/Botany/2022-23\_(8.10.2022)\_updated\_Excursion\_Tour\_report\_\_(2022-2023).pdf

9. Geological Field Excursion to Parseoni & Ramtek Area in association with "Geological Survey of India Field Training Centre, Nagpur"

https://sscnagpur.ac.in/Department/Geology/Activity6-Parseoni and Ramtek Excursion.pdf

10. Geological Tour Excursion to Gokak (Karnataka).(In the field rock formation explanation given by Prof. D.C. Meshram)

https://sscnagpur.ac.in/Department/Geology/Activity 2-2023-24 MDP.pdf

# 11. Study Tour And Experiential Learning Workshop At Mgiri, Wardha. Activity Report And Feedback Analysis

https://sscnagpur.ac.in/Department/Chemistry/Complete\_Report\_MGIRI\_Wardha-2023-24.pdf

### 12. Visit to Regional Forensic Laboratory, Nagpur (M.S.)

https://sscnagpur.ac.in/Department/Chemistry/Forensic.pdf

# 13. Industrial Visit to AIITPL (Aspect Integrated I.T PVT. LTD.), Nagpur Session 2023-24

https://sscnagpur.ac.in/Department/Computer%20Science/report\_SSESA\_iit\_aspect.pdf

### 14. Industrial Tour to KP solution

https://sscnagpur.ac.in/Department/Computer%20Science/Report\_on\_ind\_ustrai\_tour\_to\_kp\_solution.pdf

### 15. Industrial Visit report

https://sscnagpur.ac.in/Department/Computer%20Science/Report\_on\_ind\_ustrai\_visit\_report\_to\_amul.pdf

### 16. Pachmarhi Tour

https://sscnagpur.ac.in/Department/Computer%20Science/Report on Pachmarhi\_tour.pdf

### 17. Tour to Gangtok and Darjiling

https://sscnagpur.ac.in/Department/Computer%20Science/Industrial\_Study\_Tour\_to\_Gangtok\_and\_Darjiling.pdf

### 18. HCL Technologies LTD Mihan

https://sscnagpur.ac.in/Department/Computer%20Science/Industrial\_Tour to HCL Technologies Ltd Mihan Nagpur.pdf

#### 19. Kerla Tour report

https://sscnagpur.ac.in/Department/Computer%20Science/kerla\_tour\_report.pdf

# 20. Excursion Study Tour Kullu, Manali Himachal Pradesh From 6 September 2019 to 23rd September 2019

https://sscnagpur.ac.in/Department/Botany/2019-2020\_Updated\_Tour\_Report\_Manali\_\_(1).pdf

### 21. Visit to TI Biotech, Betul, M.P.

https://sscnagpur.ac.in/Department/Botany/REPORT\_ON\_VISIT\_TO\_IT I\_BIOTECH\_2019-2020.pdf

### **Skill Based Courses**

## **Department of Botany**

- https://sscnagpur.ac.in/Department/Botany/Final\_2023-24 Skill Based Mushroom Cultivation Certificate coursse.pdf
- 2. <a href="https://sscnagpur.ac.in/Department/Botany/Final\_2022-23\_skill\_based-Mushroom\_Cultivation.pdf">https://sscnagpur.ac.in/Department/Botany/Final\_2022-23\_skill\_based-Mushroom\_Cultivation.pdf</a>
- 3. <a href="https://sscnagpur.ac.in/Department/Botany/Final-2019-20-Mushroom-Cultivation Certificate Course">https://sscnagpur.ac.in/Department/Botany/Final-2019-20-Mushroom-Cultivation Certificate Course</a> (3).pdf

# **Department of Computer Science**

4. <a href="https://sscnagpur.ac.in/Department/Computer%20Science/Skill\_B">https://sscnagpur.ac.in/Department/Computer%20Science/Skill\_B</a> ased Course Web Technology Single File Report.pdf

## **Department of Chemistry**

- 5. <a href="https://sscnagpur.ac.in/Department/Chemistry/Odd\_Sem\_pd.pdf">https://sscnagpur.ac.in/Department/Chemistry/Odd\_Sem\_pd.pdf</a>
- 6. <a href="https://sscnagpur.ac.in/Department/Chemistry/even\_sem\_pd.pdf">https://sscnagpur.ac.in/Department/Chemistry/even\_sem\_pd.pdf</a>

# **Department of Zoology**

- 7. <a href="https://sscnagpur.ac.in/Department/Zoology/haematology\_session\_1.pdf">https://sscnagpur.ac.in/Department/Zoology/haematology\_session\_1.pdf</a>
- 8. https://sscnagpur.ac.in/Department/Zoology/healthcare\_1.pdf
- 9. <a href="https://sscnagpur.ac.in/Department/Zoology/vermicompost\_session\_1[1].pdf">https://sscnagpur.ac.in/Department/Zoology/vermicompost\_session\_1[1].pdf</a>

## **Department of Physics**

- 10. <a href="https://sscnagpur.ac.in/Department/Physics/17-Green Synthesis 23-24 Even SEM Course.pdf">https://sscnagpur.ac.in/Department/Physics/17-Green Synthesis 23-24 Even SEM Course.pdf</a>
- 11. <a href="https://sscnagpur.ac.in/Department/Physics/23-24-even\_BTK\_Even\_Sem.pdf">https://sscnagpur.ac.in/Department/Physics/23-24-even\_BTK\_Even\_Sem.pdf</a>
- 12. <a href="https://sscnagpur.ac.in/Department/Physics/Addon\_Course\_1\_S\_W\_Anwane\_even\_2019-20.pdf">https://sscnagpur.ac.in/Department/Physics/Addon\_Course\_1\_S\_W\_Anwane\_even\_2019-20.pdf</a>

### **Department of Geology**

- 13. <a href="https://sscnagpur.ac.in/Department/Geology/Skill">https://sscnagpur.ac.in/Department/Geology/Skill</a> base course 23 -24 Report.pdf
- 14. <a href="https://sscnagpur.ac.in/Department/Geology/2022-23">https://sscnagpur.ac.in/Department/Geology/2022-23</a> Skill Base Course.pdf

### **Department of Microbiology**

- 15. <a href="https://sscnagpur.ac.in/Department/Micro-Biology/star">https://sscnagpur.ac.in/Department/Micro-Biology/star</a> biofertilizer star 23-24.pdf
- 16. <a href="https://sscnagpur.ac.in/Department/Micro-Biology/star\_biofertilizer\_star\_22-23\_new\_(1).pdf">https://sscnagpur.ac.in/Department/Micro-Biology/star\_biofertilizer\_star\_22-23\_new\_(1).pdf</a>
- 17. <a href="https://sscnagpur.ac.in/Department/Micro-Biology/Final\_Updated\_wine\_tech\_22-23.pdf">https://sscnagpur.ac.in/Department/Micro-Biology/Final\_Updated\_wine\_tech\_22-23.pdf</a>

18. <a href="https://sscnagpur.ac.in/Department/Micro-Biology/Complete\_file\_Winetech\_2021-22.pdf">https://sscnagpur.ac.in/Department/Micro-Biology/Complete\_file\_Winetech\_2021-22.pdf</a>

# **Department of Biotechnology**

- 19. <a href="https://sscnagpur.ac.in/Department/Biotechnology/Immunology\_a\_nd\_Immunodiagnostics\_22-23.pdf">https://sscnagpur.ac.in/Department/Biotechnology/Immunology\_a\_nd\_Immunodiagnostics\_22-23.pdf</a>
- 20. <a href="https://sscnagpur.ac.in/Department/Biotechnology/Immunology\_a">https://sscnagpur.ac.in/Department/Biotechnology/Immunology\_a</a> <a href="https://sscnagpur.ac.in/Department/Biotechnology/Immunology\_a">nd\_Immunology\_a</a> <a href="https://sscnagpur.ac.in/Department/Biotechnology/Immunology\_a</a> <a href="https://sscnagpur.ac.in/Biotechnology/Immunology\_a</a> <a href="https://sscnagpur.ac.in/Biotechnology/Immunology

# **Students' Induction Programme (SIP)**

**Session: 2024-25** 

https://sscnagpur.ac.in/Department/Physics/REPORT\_on\_SIP-2024\_All\_Merged-1.pdf

**Session: 2023-24** 

https://sscnagpur.ac.in/Department/Physics/REPORT on SIP-2023-24.pdf

https://sscnagpur.ac.in/Department/Zoology/world\_sparrow\_day-1.pdf

https://sscnagpur.ac.in/Department/Biotechnology/Induction\_biotech.pdf

https://sscnagpur.ac.in/Department/Micro-Biology/M.Sc.\_Induction\_2023.pdf

**Session: 2022-23** 

https://sscnagpur.ac.in/Department/Physics/Report SIP 2022-Final-1\_All\_Merged.pdf

**Session: 2021-22** 

https://sscnagpur.ac.in/Department/Physics/Report - SIP 2021-22 All Merged.pdf

**Session: 2019-20** 

https://sscnagpur.ac.in/Department/Physics/Report\_on\_SIP-2019 All MERGED.pdf

AVISHKAR	
Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur	
AVISHKAR CONVENTION 2023-2024	
(Nagpur and Wardha District)	
Host Institution - S.S.E.S. Amravati's Science College, Congr Nagpur-12	ress Nagar,
Venue - S.S.E.S. Amravati's Science College, Congress Naga	r, Nagpur
Date- 16/12/2023	
https://sscnagpur.ac.in/Department/Zoology/AVISHKAR_CCREPORT_23-24.pdf	MPLETE_
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https://sscnagpur.ac.in/Department/Innovation%20and%20Incchnology_Transfer_Agreement.pdf	cubation/Te
Syllabus For Certificate Course In Ipr Fundamentals: Innovations	Protecting
(With effect from the academic year 2023-2024)	
https://sscnagpur.ac.in/Department/Innovation%20and%20Incal IPR Certificate Course Report.pdf	cubation/Fin
Two-Day Self-Paced Virtual International Symposium on Property Rights (IPR)	Intellectual
https://sscnagpur.ac.in/Department/Innovation%20and%20Indw_Report_Symposium.pdf	cubation/Ne
Hands-On Training Session Report "How to File Copyrig 2023-24"	ht in India-

https://sscnagpur.ac.in/uploaded\_files/5. Hands-On Training Session Report How to File Copyright in India.pdf

Shivaji Science College Celebrates 125th Birth Year of Late Dr. Punjabrao Deshmukh with Remarkable Intellectual Property Achievements

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/Final Final IPR Reports.pdf

**Workshop Report: Workshop on Intellectual Property Rights (IPR)** 

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/FINl\_Report\_Only\_IPR.pdf

Innovation Breakthrough at National University of Science and Technology Zimbabwe: Talking Tree Unveiled!

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/report\_to\_college\_website.pdf

Report on the College-level Students Innovation Challenge 2023 Under the Scheme of Maharashtra Student Innovation Challenge 2023

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/New Report on the MSIC-College Leveldocx.pdf

Memorandum Of Understanding Between Dr. Sarang Sahebrao Dhote And Lagos State University Through (The Department Of Botany, Facuity Of Science) On Collaboration To Develop An Interactive Android Apptication Catled "Taiking Tree" In Lagos State University

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/TALKING\_TREE\_SIGNED\_MOU\_20240109\_0001.pdf

**Report on the Launch of Kigulu Chiefdom Heritage Site Smartphone Application** 

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/Kigulu\_Chiefdom\_.pdf

Two Revolutionary Museum Apps, "I am Kipsigis Museum" and "Kigulu Museum," Launched on World Museum Day

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/TwooRevolutionary Museum Apps.pdf

### **Advanced Water Testing Kit Development for On-Field Analysis**

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/Water\_Testing\_Kit.pdf

# Ucoma\_Science\_College

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/UC OMA SCIENCE COLLEGE.pdf

# **Ground breaking Talking Tree Smartphone Application Launched** at Tooro Botanical Garden

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/To oro Garden Report.pdf

# Workshop on "Entrepreneurial Mindset: Thinking Like a Business Leader" Date: 21.08.2022

 $\frac{https://sscnagpur.ac.in/Department/Innovation\%20 and\%20 Incubation/ne}{wIPR-1-8.pdf}$ 

Workshop on From Hypothesis to Findings: An Interactive Research Methodology Workshop

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/IPR\_9-17.pdf

# Tech-Edu: Enhancing Digital Skills for a Competitive Edge (Entrepreneurship)

 $\frac{https://sscnagpur.ac.in/Department/Innovation\%20and\%20Incubation/ne}{w\_IPR\_27-35.pdf}$ 

# Workshop on Research Methodology Masterclass: From Concept to Conclusion

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/IPR\_36-44.pdf

Workshop on "Unlocking Entrepreneur Skills: Tech. Knowledge and Marketing Strategies"

 $\frac{https://sscnagpur.ac.in/Department/Innovation\%20and\%20Incubation/IP}{R\_45-53.pdf}$ 

Workshop on "Startup in Pharmaceutical Arena: Opportunities, Skills, and New Technologies"

 $\frac{https://sscnagpur.ac.in/Department/Innovation\%20 and\%20 Incubation/IP}{R\_54-61.pdf}$ 

Workshop on From Passion to Profit: Crafting Your Business Roadmap

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/IPR\_-62-69.pdf

Workshop on "Entrepreneurship: Foundations for Aspiring Business Leaders"

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/IPR\_70-78.pdf

Workshop on Crafting Strong Research: Techniques for Reliable Data Collection

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/IPR-79-86.pdf

Workshop on "Future-Ready: Developing Entrepreneurship Skills" for Tomorrow's Workforce

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/IPR,\_RM,\_Ent-87-94.pdf

**Workshop on "Bridging Theory and Practice: Effective Research Methods** 

 $\frac{https://sscnagpur.ac.in/Department/Innovation\%20and\%20Incubation/IP}{R,~RM,~Ent-95-104.pdf}$ 

Workshop on "Beyond the Idea: Planning and Executing a Successful Startup"

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/IPR, RM, Ent-105-111.pdf

Workshop on "Building Blocks of Research: Designing, Collecting, and Analyzing Data"

https://sscnagpur.ac.in/Department/Innovation%20and%20Incubation/IPR, RM, Ent-136-144.pdf

# **Workshop and Skill Development Program**

# Experiential learning workshop at Migri, Wardha-2023-24

https://sscnagpur.ac.in/uploaded\_files/6.\_Experiential\_learning\_workshop\_at\_Migri,\_Wardha.pdf

Skill Development Program & Hands-On Practice For "Chemical & Instrumental Analysis Of Petroleum Products And Solid Fuel"-2023-24

https://sscnagpur.ac.in/uploaded\_files/11.Skill\_Development\_Program\_a nd\_Hands-

On Practice For %E2%80%9CChemical and Instrumental Analysis O f\_Petroleum\_Products\_And\_Solid\_Fuel%E2%80%9D.pdf

# Inter Collegiate Skill Based Workshop-2023-24

https://sscnagpur.ac.in/uploaded\_files/13. Inter\_Collegiate\_Skill\_Based\_Workshop.pdf

### Guest lecture on "Learning Statistics Experientially."-2023-24

https://sscnagpur.ac.in/uploaded\_files/14.\_Guest\_lecture\_on\_%E2%80%9CLearning\_Statistics\_Experientially..pdf

"One day workshop on" plant propagation Techniques"-2023-24

https://sscnagpur.ac.in/uploaded\_files/15.%E2%80%9COne\_day\_workshop\_on\_plant\_propagation\_Techniques.pdf

### Workshop on "plant Tissue Culture"-2023-24

https://sscnagpur.ac.in/uploaded\_files/16. Workshop\_on\_plant\_Tissue\_ Culture.pdf

		Workshop on "Word Press"-2022-23
		https://sscnagpur.ac.in/uploaded_files/1. Workshop_on_%E2%80%9CW_ordPress.pdf
		Intellectual Learning Strategies & Skill Development -2022-23
		https://sscnagpur.ac.in/uploaded_files/4Intellectual_Learning_Strategies_and_Skill_Development.pdf
		Inter University workshop on "Cosmetics and Allied Products" - 2022-23
		https://sscnagpur.ac.in/uploaded_files/5. Interuniversity_workshop_on_ %E2%80%9C_Cosmetics_and_Allied_Products.pdf
		Hands on Training of Micro-techniques and Biostatistics: Integrating Techniques for Research and Entrepreneurial Purposes-2022-23
		https://sscnagpur.ac.in/uploaded_files/6. Hands on Training of Microtechniques_and_Biostatistics_Integrating_Techniques_for_Research_And_Entrepreneurial_Purposes.pdf
2		Participative Learning
		Department of Chemistry
		https://sscnagpur.ac.in/Department/DisplayDeptPage.aspx?page=eaiii&It emID=eagcs&nDeptID=ka
		Competitive Examination
		https://sscnagpur.ac.in/uploaded_files/5.1.3 Supporting_Document_latest_update.pdf
		https://sscnagpur.ac.in/Department/Micro-Biology/Ext Micro Strategizing & planning for competitive exams n ewest.pdf
		Quiz Competition and Group Discussion
	Γ	Calendar Making Activity-2023-24
		https://sscnagpur.ac.in/uploaded_files/1_Calendar_competition_2023_newest_(1).pdf
		Skill on Rangoli competition-2023-24

https://sscnagpur.ac.in/uploaded\_files/4. Skill on rangoli competition.p

Inter Collegiate Essay Competition on the occasion of International Women's Day-2023-24

https://sscnagpur.ac.in/uploaded\_files/9. Inter\_Collegiate\_Essay\_Compet ition on the occasion of International Women's Day.pdf

Intercollegiate Poster Competition on "Geographical Indications of India"-2023-24

https://sscnagpur.ac.in/uploaded\_files/19.\_Intercollegiate\_Poster\_Competition\_on.pdf

Inter-Collegiate Online Quiz Competition on "Computer Programming Language Concepts" -2022-23

https://sscnagpur.ac.in/uploaded\_files/2. Inter-Collegiate\_Online\_Quiz\_Competition\_on.pdf

Intercollegiate' E ' Poster Competition on "Social and Economical Impact of Covid-19 Pandemic on Mankind-2020-21

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Industrial Visit to Amul Dairy Anand, Gujrat-2019-20

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Report on "Elocution Competition"-2019-20

https://sscnagpur.ac.in/uploaded\_files/9.\_Report\_on\_Elocution\_Competition(2019-20).pdf

Calendar Making Competition

https://sscnagpur.ac.in/Department/Micro-Biology/Star\_23\_calendar.pdf

International quiz competition on the occasion of International tiger day

https://sscnagpur.ac.in/Department/Zoology/International tiger day 202 4-25.pdf
Sketch Poster Competition
https://sscnagpur.ac.in/Department/Mathematics/Sketch Poster Competition2022_23_merged.pdf
Brainstorming Session
"Geopedia: Talking Rock Museum Program "On the occasion of "World Museum Day"-2023-24
https://sscnagpur.ac.in/uploaded_files/12.%E2%80%9CGeopedia Talking Rock Museum Program On the occasion of %E2%80%9CWorld Museum_Day%E2%80%9D.pdf
A Visit to GSI On the occasion of "National Space Day -2023-24
https://sscnagpur.ac.in/uploaded files/18. A Visit to GSI On the occasion of %E2%80%9CNational Space Day%E2%80%9D.pdf
Guest Lecture on "Mathematical Model for Cryptography"-2021-22
https://sscnagpur.ac.in/uploaded_files/%E2%80%9C1Guest_Lecture_o n_%E2%80%9CMathematical_Model_for_Cryptography.pdf
Problem solving(Department of Chemistry)
https://sscnagpur.ac.in/Department/DisplayDeptPage.aspx?page=eaiig&ItemID=eagcs&nDeptID=ka
Khasdar Krida Mahotsav Marathon (Samrudhi Daud)
https://sscnagpur.ac.in/Department/Mathematics/Extra Curiculam Activity (18-19).pdf
Quiz Competition 2021-22
https://sscnagpur.ac.in/Department/Mathematics/Action_TakenREPOR T_on_QUIZ_Comp2021-22.pdf
Department of Zoology
https://sites.google.com/view/gamezoology/home

Department of Geology- Earth Explorer Game

https://sscnagpur.ac.in/Department/DisplayDeptPage.aspx?page=eamai& ItemID=eaqcq&nDeptID=ki

#### Seminar

Invited Talk on "Advanced Sustainable Functional Nanomaterials" -2023-24

https://sscnagpur.ac.in/uploaded\_files/7.\_nvited\_Talk\_14-2-2024\_Final\_Report\_(1).pdf

Invited Talk "Marine Resources in Deep Ocean: Indian Initiative"

https://sscnagpur.ac.in/uploaded\_files/8.\_Invited\_Talk\_%E2%80%9CMa rine\_Resources\_in\_Deep\_Ocean\_Indian\_Initiative.pdf

Webinar on "The Essence of Data Science and Opportunities for Graduates" -2021-22

https://sscnagpur.ac.in/uploaded\_files/4.\_Webinar\_on\_%E2%80%9CThe\_Essence\_of\_Data\_Science\_and\_Opportunities\_for\_Graduates%E2%80%9D.pdf

Intercollegiate Mathematics "Quiz Competition" -2021-22

https://sscnagpur.ac.in/uploaded\_files/5. Intercollegiate Mathematics Q uiz Competition%E2%80%9D.pdf

Microbiome food festival-2019-20

https://sscnagpur.ac.in/uploaded\_files/2.\_Microbiome\_Food\_festival.pdf

Guest Lecturer By "Satish Agrawal, Melbourne ,Australiya"-2019-20

https://sscnagpur.ac.in/uploaded\_files/3. Guest\_Lecturer\_By\_%E2%80%9CSatish\_Agrawal,\_Melbourne\_,Australiya.pdf

Hindi Diwas-2022-2023

https://sscnagpur.ac.in/uploaded\_files/4. Hindi\_Diwas\_2022-23.pdf

Marathi Bhasa Diwas-2022-23

https://sscnagpur.ac.in/uploaded\_files/Marathi\_2022-23\_(1).pdf

Guest Lecture on "Attaining Peace of Mind: A Key to Success"-2022-23

https://sscnagpur.ac.in/uploaded\_files/6.\_Guest\_Lecture\_on\_%E2%80%9 CAttaining\_Peace\_of\_Mind\_A\_Key\_to\_Success%E2%80%9D(2022-23).pdf

Guest Lecture on "Globalization and Communication Skills" -2021-22

https://sscnagpur.ac.in/uploaded\_files/7. Guest\_Lecture\_on\_%E2%80%9 CGlobalization\_and\_Communication\_Skills%E2%80%9D\_(2021-22).pdf

Guest Lecture "Allow Sanity a little Space"-2021-22

https://sscnagpur.ac.in/uploaded\_files/8.\_Guest\_Lecture\_%E2%80%9CA llow\_Sanity\_a\_little\_Space%E2%80%9D(2021-22).pdf

https://sscnagpur.ac.in/uploaded files/9. Report on Elocution Competit ion(2019-20).pdf

Hindi Diwas-2019-2020

https://sscnagpur.ac.in/uploaded\_files/10.\_Hindi\_Diwas\_2019-20.pdf

Marathi Bhasa Diwas-2023-24

https://sscnagpur.ac.in/uploaded\_files/2. Marathi\_diwas\_2023-24.pdf

Lecture series on "INDIANS SPEAKING FROM ABROAD"-2022-23

https://sscnagpur.ac.in/uploaded files/3. Indians speaking from abroad 22-23 latest.pdf

"An Expert Talk on Mucormycosis: Myths & Facts-2021-22

https://sscnagpur.ac.in/uploaded\_files/19.\_%E2%80%9CAn\_Expert\_Talk on Mucormycosis Myths and Facts(2021-22)%E2%80%9D.pd

Report on 4-Day Self-Paced Virtual International Symposium on Water

https://sscnagpur.ac.in/Department/Chemistry/JAl\_symp.pdf

https://sites.google.com/view/jalsarang/home

Plants Tree to save earth

https://sscnagpur.ac.in/Department/Chemistry/feedback\_and\_action\_take n\_on\_Plants-Tree\_to\_Save\_Earth.pdf

Research Insights in Scientific Writing and Publication RISWP-2021-22

https://sscnagpur.ac.in/uploaded\_files/3. %E2%80%9CResearch\_Insight s in Scientific Writing and Publication RISWP-2021%E2%80%9D.pdf

Guest Lecture and Intercollegiate Poster competition on the occasion of "World Ozone Day"-2023-24

https://sscnagpur.ac.in/uploaded\_files/3. Guest\_Lecture\_and\_Intercollegi\_ate\_Poster\_competition\_on\_the\_occasion\_of.pdf

# Assignment

Department of Microbiology

https://sscnagpur.ac.in/Department/Micro-Biology/Unit Test Sem1 Paper1 Unit2 2023-24.pdf

https://sscnagpur.ac.in/Department/Micro-Biology/Unit Test Sem1 Paper1 Unit4 2023-24.pdf

https://sscnagpur.ac.in/Department/Micro-Biology/Unit\_test\_B.Sc\_sem\_VI\_2022-23\_unit\_I\_P\_I.pdf

https://sscnagpur.ac.in/Department/Micro-Biology/Unit test B.Sc sem VI 2022-23 unit III P I.pdf

Department of Chemistry

https://sscnagpur.ac.in/Department/Chemistry/Chemistry Dept CIE-2023-24.PDF

https://sscnagpur.ac.in/Department/Chemistry/CIE\_PG\_2023-24.pdf

https://sscnagpur.ac.in/Department/Chemistry/CIE\_2022-23.pdf

Department of Biotechnology

https://sscnagpur.ac.in/Department/Biotechnology/Marklist 2022-23 Sem III Paper 1 Unit IV.pdf

https://sscnagpur.ac.in/Department/Biotechnology/Marklist 2022-23 Sem IV Paper I Unit IV.pdf

# NCC, NSS Activities

International Yoga Day-2023-2024

https://sscnagpur.ac.in/uploaded\_files/1. International\_Yoga\_Day(2023-2024).pdf

Distribution of Filariasis medicine-2023-2024

https://sscnagpur.ac.in/uploaded files/3. Distribution of Filariasis medicine.pdf

Blood Donation-2023-2024

https://sscnagpur.ac.in/uploaded\_files/4.\_Blood\_Donation\_(2023-2024).pdf

International Yoga Day-2022-23

https://sscnagpur.ac.in/uploaded files/8. International Yoga Day (2022 -23).pdf

Filariasis Disease Camp (Hatti Rog-2022-23

https://sscnagpur.ac.in/uploaded\_files/9. Filariasis Disease Camp (Hatti Rog).pdf

Nutrition Week Celebration -2022-23

https://sscnagpur.ac.in/uploaded files/10. Nutrition Week Celebration ( 2022-23).pdf

Blood Donation-2022-23

https://sscnagpur.ac.in/uploaded\_files/11.\_Blood\_Donation(2022-23).pdf

Report on Zumba-2022-23

https://sscnagpur.ac.in/uploaded\_files/12. Report\_on\_Zumba(2022-23).pdf

Workshop on "COVID-19 DETECTION BY RT-PCR METHOD"-2022-23

https://sscnagpur.ac.in/uploaded\_files/13.\_Workshop\_on\_%E2%80%9C COVID-19\_DETECTION\_BY\_RT-PCR\_METHOD%E2%80%9D(2022-23).pdf

Dental Check up Camp -2022-23

https://sscnagpur.ac.in/uploaded\_files/14.\_Dental\_Check\_up\_Camp\_(202 2-23).pdf

Vaccination Drive-2021-22

(special inoculation drive by Government of Maharashtra)

https://sscnagpur.ac.in/uploaded\_files/15. Vaccination\_Drive\_(2021-22).pdf

Celebration of AIDS Day-2012-22

https://sscnagpur.ac.in/uploaded files/16. Celebration of AIDS Day.(2 012-22).pdf

VACCINATION DRIVE-2021-22 (By Municipal Corporation Nagpur)

https://sscnagpur.ac.in/uploaded\_files/17.\_VACCINATION\_DRIVE\_(20 21-22)..pdf

Report on RT-PCR Test Drive-2021-22

https://sscnagpur.ac.in/uploaded\_files/18. Report\_on\_RT-PCR\_Test\_Drive(2021-22).pdf

Blood Donation -2020-21

https://sscnagpur.ac.in/uploaded\_files/20. Blood\_Donation (2020-21).pdf

International Yoga Day -2019-20

https://sscnagpur.ac.in/uploaded\_files/21.\_International\_Yoga\_Day\_(201 9-20).pdf

Report on Sakal Media Student Leadership Program organized by N.S.S Unit at Shri Shivaji Science College, Nagpur

https://sscnagpur.ac.in/Department/NSS/Report on Sakal Media Studen t Leadership Program 2021-22.pdf

Communal Harmony 2021-22

https://sscnagpur.ac.in/Department/NCC/1.Communal Harmony week a nd Flag day 2021-22.pdf

### Village Adaptation, Plantation

**NSS CAMP** 

https://sscnagpur.ac.in/Department/NSS/Farmer\_Workshop\_2023.pdf

https://sscnagpur.ac.in/Department/NSS/Report-9 -NSS Camp 2022-2023.pdf

Tree plantation

https://sscnagpur.ac.in/Department/NSS/Report-5-\_Tree\_plantation\_22-23.pdf

Tree plantation

https://sscnagpur.ac.in/Department/NSS/independence\_day\_2023.pdf

Tree plantation

https://sscnagpur.ac.in/Department/NCC/Independence Day 2024.pdf
Cultural Events
EBSB-I camp held at OTA -Kamptee 2023
https://sscnagpur.ac.in/Department/NCC/1.%E2%80%9CEBSBIcamp_held_at_OTAKamptee2023(1).pdf
EBSB-I camp held at IDC Delhi
https://sscnagpur.ac.in/Department/NCC/1EBSB_camp_IDC_Delhi_from_1-16_August_2022_%E2%80%9Dpdf
Cultural Programme on 29 March 2022 based on 75th
Anniversary of Independence for Nagpur citizens at Mankapur
Stadium, Nagpur 2022
https://sscnagpur.ac.in/Department/NCC/1. Cultural Programme on 29 March 2022 based on 75th Anniversary.pdf
Social Campaign
Social Activity- "DISTRIBUTION OF TEA AND SNACKS TO THE PILGRIMS OF DIKSHA BHOOMI" on the Occasion :- At The Eve of Dhamma Chakra Pravartan Din (Vijaya Dashami)
https://sscnagpur.ac.in/Department/NCC/1Dasara_23-24.docx.pdf
NCC and NSS unit Celebrated "Independence Day Flag hoisting ceremony, Tree plantation and Swachata Abhiyaan" and "Blood Donation Camp 2023-24" On the occasion of this "125 th Birth anniversary of Dr. Panjabrao Deshmukh"
https://sscnagpur.ac.in/Department/NCC/Share_1.Nagarwadi_NCC_and_NSS_ACTIVITY_final_2024_(1).docx_(1)_compressed_(1).pdf
Social Activity- "DISTRIBUTION OF TEA AND SNACKS TO THE PILGRIMS OF DIKSHA BHOOMI" on the Occasion :- At The Eve of Dhamma Chakra Pravartan Din (Vijaya Dashami) 2022-23
https://sscnagpur.ac.in/Department/NCC/1dashera_22-23.pdf
Communal Harmony 2023-24

https://googgoggoggoggoggoggoggoggoggoggoggogg
https://sscnagpur.ac.in/Department/NCC/2. Communal Harmony week and Flag day2023-24.pdf
and Tiag day2023-24.pdf
Communal Harmony 2023-24
https://sscnagpur.ac.in/Department/NCC/1Communal_Harmony_week_
and_Flag_day_2022-23.pdf
Donated Some Items to children of NAGARWADI School on the Occasion
of Shiv Jayanti
https://sscnagpur.ac.in/Department/NCC/FINAL_NAGARWADI_REPO
<u>RT_2022-23.docx.pdf</u>
Conference
Department of Contains
Department of Geology
https://sscnagpur.ac.in/Department/Geology/Conference_report_(1).pdf
Department of Chemistry
https://sscnagpur.ac.in/Department/Chemistry/JAl_symp.pdf
intepo.// osonagpar.ac.iii Bopartinena eneimoti y/o/ii oyimp.par
Department of Computer Science
https://sscnagpur.ac.in/Department/Computer%20Science/E-Proceeding.pdf
rroceeding.pdr
https://sscnagpur.ac.in/Department/Computer%20Science/ReportNatio
nal_Conference.pdf
https://www.sscnagpur.ac.in/uploaded_files/NCRIICT_2023_FINAL_RE
PORT_new.pdf
https://www.sscnagpur.ac.in/uploaded_files/CHANDRAPUR_CONFER_
ENCE REPORT 2023 new.pdf
https://www.sscnagpur.ac.in/uploaded_files/GOA_CONFERENCE_FIN
AL REPORT new.pdf
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	https://www.sscnagpur.ac.in/uploaded_files/NCSTRD_CONF_FINAL_EPORTnew.pdf	<u>R</u>
	https://www.sscnagpur.ac.in/uploaded_files/BENGALURU_CONFERENCE_2019_FINAL_REPORT_new.pdf	<u>3</u>
	https://www.sscnagpur.ac.in/uploaded_files/ICRTS_17_CONFERENCE_FINAL_REPORT_new.pdf	<u>E</u>
	https://www.sscnagpur.ac.in/uploaded_files/APQN_CONFERENCE_NI_ W.pdf	<u>E</u>
3	Project Work	
	Research Paper (Students)	
	Department of Computer Science	
	https://sscnagpur.ac.in/Department/Computer%20Science/E-	
	<u>Proceeding.pdf</u>	
	Project of Students	
	M.Sc. Microbiology Project 2023-24	
	https://sscnagpur.ac.in/Department/Micro-Biology/Micro MSc Project List 2023-2024.pdf	
	M.Sc. Microbiology Project 2022-23	
	https://sscnagpur.ac.in/Department/Micro-Biology/Micro_MSc_Project_List_2022-2023.pdf	
	M.Sc. Microbiology Project 2021-22	
	https://sscnagpur.ac.in/Department/Micro-Biology/Micro_MSc_Project_List_2019-2020.pdf	
	M. Sc. Physics Project 2023-24	
	https://sscnagpur.ac.in/Department/Physics/MSc Project List 2023-24.pdf	

	M. Sc. Physics Project 2022-23
	https://sscnagpur.ac.in/Department/Physics/MSc Project List 2022-23.pdf
	M. Sc. Physics Project 2021-22
	https://sscnagpur.ac.in/Department/Physics/MSc Project List 2021- 22.pdf
	Eco Friendly Holi, Rakhi
	Green Rakhi Competition-2023-24
	https://sscnagpur.ac.in/uploaded files/2. Green Rakhi Competation 20 23.pdf
	Green Rakhi Competition-2024-25
	https://sscnagpur.ac.in/Department/Botany/updated Report of rakhi 202 4.pdf
	Report on Eco-friendly Holi-2021-22
	https://sscnagpur.ac.in/uploaded_files/7. Report_on_Eco-friendly_Holi.pdf
	Eco-friendly Holi 2021-22
	https://sscnagpur.ac.in/Department/Chemistry/new 21 - 22 updated Ecofriendly Holi Colour Report (1).pdf
	Ethano-Phyto Expo 2021-22
	https://sscnagpur.ac.in/Department/Botany/Modified_2021-22_ETHNO-PHYTO_EXPO_Report.pdf
	Green Festival 2022-23
	https://sscnagpur.ac.in/Department/Botany/Green_Festive_Celebration_2 022-23.pdf
	Seedball Mushroom
	Ankur Seed Tour Report 2021-22 <a href="https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2">https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2</a> <a href="https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2">https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2</a> <a href="https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2">https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2</a> <a href="https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2">https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2</a> <a href="https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2">https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2</a> <a href="https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2">https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2</a> <a href="https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2">https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2</a> <a href="https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2">https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2</a> <a href="https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2">https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Report 2"&gt;https://sscnagpur.ac.in/Department/Botany/Ankur seeds Tour Seeds Tour Seeds Tour Seeds Tour Seeds Tour Seeds Tour Se</a>
	Mushroom Cultivation-2023-24
	https://sscnagpur.ac.in/Department/Botany/ReportMushroom_Cultivation_2023-24.pdf

Two Days Workshop on Mushroom Cultivation-2023-24
https://sscnagpur.ac.in/uploaded_files/10Two_Days_Workshop_on_Mushroom_Cultivation.pdf
Internship, OJT
Internship On Job Training (OJT) entitled "MATLAB" -2023-24
https://sscnagpur.ac.in/uploaded_files/5Internship_On_Job_Training_(OJT) entitled %E2%80%9C_MATLAB%E2%80%9D_(2023-24).pdf
Internship On Job Training (OJT) entitled "Demonstration of Instrumentation" -2023-24
https://sscnagpur.ac.in/uploaded_files/6Internship_On_Job_Training_(OJT)_entitled_%E2%80%9CDemonstration_of_Instrumentation)_(202324).pdf
Internship On Job Training (OJT) entitled Machine Learning -2023-24
https://sscnagpur.ac.in/uploaded_files/7Internship_On_Job_Training_(OJT)_entitled_Machine_Learning_(2023-24).pdf
On Job Training
https://sscnagpur.ac.in/Department/Mathematics/OJT 23- 24 mergedbReport.pdf
MOU
https://sscnagpur.ac.in/Userpanel/DisplayPage.aspx?page=qm&ItemID=g ek

4	ICT Enabled Learning
	MOOC, SWAYAM, NPTEL Certificate
	E-Content
	LMS, YouTube Link, Video Lecture Link
	Google Classroom, Zoom App, Digital Classroom
	Department of Computer Science
	https://sscnagpur.ac.in/Department/DisplayDeptPage.aspx?page= eakgc&ItemID=eamqm&nDeptID=kc
	https://sscnagpur.ac.in/Department/Computer%20Science/Swayam - NPTEL Certificate.pdf
	LMS, YouTube Link, Video Lecture Link
	By Dr. J. K. Keche, Assistant Professor, Department of Computer Science, & Coordinator of Electronics Department, SSESA's Science College, Nagpur
	https://sscnagpur.ac.in/Department/Computer%20Science/ONLI NE_LECTURE_AND_YOUTUBE_LINK.pdf
	Dr. Shyamkant Anwane, Professor and Head of the Department of Physics, has developed four courses on Udemy that have attracted 5,385 students from 136 countries worldwide. He has achieved an impressive instructor rating of 4.70.
	https://sscnagpur.ac.in/Department/Physics/Udemy Course Status on 30Sept2024.pdf
	Virtual Workshop on "Network Security & Ethical Hacking"- 2023-24
	https://sscnagpur.ac.in/uploaded_files/2Virtual_Workshop_on_ %E2%80%9CNetwork_Security_and_Ethical_Hacking%E2%80 %9D(2023-24).pdf
	Guest Lecture on "Cyber Security" -2023-24
	https://sscnagpur.ac.in/uploaded_files/1. Guest_Lecture_on_%E2_%80%9CCyber_Security%E2%80%9D_(2023-24).pdf
	Workshop on "Cloud Technology" 2023-24

https://sscnagpur.ac.in/uploaded\_files/3. Workshop\_on\_%E2%8 0%9CCloud\_Technology%E2%80%9D(2023-24).pdf

Department of Computer Science & Department of Electronics

Lecture on Cyber Jagaruti -2023-24

https://sscnagpur.ac.in/uploaded\_files/4.\_Lecture\_on\_Cyber\_Jagaruti\_(2023-24).pdf

Industrial Visit to Aspect IIT, NH46, Aspect campus, Bharat Nagar, Nagpur-2023-24

https://sscnagpur.ac.in/uploaded\_files/5. Industrial\_Visit\_to\_Aspect\_IIT, NH46, Aspect\_campus, Bharat\_Nagar, Nagpur(2023-24).pdf

Training on "Website Updation Program -2022-23

https://sscnagpur.ac.in/uploaded\_files/6. Training\_on %E2%80 %9CWebsite\_Updation\_Program\_(2022-23).pdf

Lecture on Cyber Safety-2022-23

https://sscnagpur.ac.in/uploaded\_files/7. Lecture on Cyber\_Safety(2022-23).pdf

Data Science, Industrial Robotics and Automation -2022-23

https://sscnagpur.ac.in/uploaded\_files/8.\_Data\_Science,\_Industria 1\_Robotics\_and\_Automation\_(2022-23).pdf

The Essence of Data Science and Opportunities for Graduates"-2021-22

https://sscnagpur.ac.in/uploaded\_files/9. %E2%80%9CThe Essence of Data Science and Opportunities for Graduates%E2%80%9D(2021-22).pdf

Inter-College Online Quiz Competition on "JAVA Programming Concepts" -2020-21

https://sscnagpur.ac.in/uploaded\_files/10.\_Inter-College\_Online\_Quiz\_Competition\_on\_%E2%80%9CJAVA\_Programming\_Concepts%E2%80%9D\_(2020-21).pdf

"Inter-Collegiate Online Seminar Presentation Competition on Recent Trends in Advanced Computing" -2020-21

https://sscnagpur.ac.in/uploaded\_files/11.\_%E2%80%9CInter-Collegiate Online Seminar presentation Competition on Recent Trends in Advanced Computing%E2%80%9D (2020-21).pdf

"TPO 360°- Opportunities and Challenges" on 20th September 2019 at Hotel L B, Nagpur, "CFAI Business School Nagpur. - 2019-20

https://sscnagpur.ac.in/uploaded\_files/12. TPO\_360%C2%B0\_Opportunities.pdf

Seminar Cum Awareness Program By "Unisoft Technologies, Nagpur"-2019-20)

https://sscnagpur.ac.in/uploaded\_files/13.\_Seminar\_Cum\_Aware ness Program By %E2%80%9CUnisoft Technologies, Nagpur %E2%80%9D(2019-20).pdf

# **Department of Chemistry**

https://sscnagpur.ac.in/Department/DisplayDeptPage.aspx?page=eaieq&ItemID=eakci&nDeptID=ka

https://sscnagpur.ac.in/Department/DisplayDeptPage.aspx?page=eaiga&ItemID=eakci&nDeptID=ka

https://sscnagpur.ac.in/Department/DisplayDeptPage.aspx?page=eaeoq&ItemID=eagcs&nDeptID=ka

### **ICT facility**

https://www.sscnagpur.ac.in/UserPanel/DisplayPage.aspx?page=iq&ItemID=eac

# Department of Microbiology

https://sscnagpur.ac.in/Department/DisplayDeptPage.aspx?page=eaioi&ItemID=eamgo&nDeptID=ko

https://sscnagpur.ac.in/Department/DisplayDeptPage.aspx?page=eaioi&ItemID=eamgo&nDeptID=ko

Yuvak BiradariYuva Bhushan

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# **Experimental Learning in Chemistry: Water Testing Kit & Craft Colorimeter**

The Chemistry Department is committed to providing hands-on, experiential learning opportunities for students. As part of this initiative, the department has developed an innovative water testing kit that allows students to measure 15 essential water quality parameters directly in the field. This practical experience enhances their understanding of real-world applications of laboratory techniques and equips them with valuable skills in environmental monitoring.



Additionally, the department has created a Craft Colorimeter with smart phone application for fast calculations, a low-cost educational tool designed to help students grasp the fundamental concepts of colorimetry. By building and using the Craft Colorimeter, students can explore the principles of light absorption and concentration measurements, bridging the gap between theoretical knowledge and practical application.

These projects exemplify the department's dedication to fostering an interactive and engaging learning environment, where students can actively apply their knowledge in meaningful ways.

# **Department of Microbiology**

### 1) Biobattery

Ms. Arya Walode and Ms. Akanksha Bisen, M.Sc. First Year Microbiology students, have created a ground breaking biobattery that converts glucose into electrical energy. This biobattery utilizes the breakdown of glucose by enzymes, which releases electrons and protons to generate power. Escherichia coli is employed for its efficient glucose metabolism, optimizing the battery's electricity production. Unlike conventional batteries, these biobatteries offer a cleaner alternative by avoiding corrosive substances like hydrochloric or sulfuric acid. Additionally, they have potential medical applications, such as powering devices within the human body, due to the glucose present in blood. With the guidance and support of their teachers, ongoing research aims to refine these batteries and explore their broader applications in both technology and healthcare. As the technology advances, biobatteries could play a significant role in sustainable energy solutions and innovative medical devices.



Ms. Arya Walode and Ms. Akanksha Bisen

### 2) Central dogma of life

Ms. Ojaswini Bhagat and Ms. Vaishnavi Ingle, M.Sc First Year Microbiology students, along with Ms. Bhumika Mirashi from the B.Sc Final Year, have delved into the central dogma of molecular biology, a fundamental framework illustrating the flow of genetic information within cells. This concept encompasses DNA replication, transcription, and translation: DNA is replicated to generate more DNA, transcribed into mRNA, and then translated into proteins. This sequence is crucial for understanding how genetic information is transferred and expressed within organisms. Biopolymers, including proteins, RNA, and DNA, play essential roles in this process. Standard biological information flow includes DNA replication (DNA copied to DNA),

transcription (DNA information transcribed to mRNA), and translation (mRNA used as a template for protein synthesis). Special processes involve RNA replication (RNA copied from RNA) and reverse transcription (DNA synthesized from an RNA template). Some unknown processes, such as direct protein synthesis from DNA without mRNA or the use of protein structures as templates for RNA or DNA synthesis, remain subjects of active research.

In their experiments, Ms. Bhagat, Ms. Ingle, and Ms. Mirashi are exploring these fundamental mechanisms to deepen their understanding of genetic information manipulation and expression. Their research aims to push the boundaries of the central dogma, potentially uncovering novel mechanisms and advancing applications in genetic research and biotechnology.





Ms. Ojaswini Bhagat and Ms. Vaishnavi Ingle (M.Sc. First year), Ms. Bhumika Mirashi (B.Sc. Final year)

# 3) Aqua safe Guard: On-Field Microbial Assessment for Rapid Detection of Water Contamination

Ms. Ishita Padgil, M.Sc. First Year Microbiology, in collaboration with postgraduate Microbiology teachers, has developed an innovative experiment titled "AquasafeGuard: Rapid On-Field Microbial Assessment for Water Contamination Detection." This pioneering project aims to create a cutting-edge system designed for the swift and precise detection of microbial contamination in water sources. Aqua safe Guard is engineered to operate effectively in field settings, offering a practical solution for real-time water quality assessment. The system integrates advanced microbial detection methods with user-friendly tools, facilitating the rapid identification of harmful microorganisms and evaluating the overall portability of water samples. Unlike traditional laboratory-based methods, which often involve lengthy turnaround times and may be inaccessible in remote or resource-limited areas, AquasafeGuard provides immediate results onsite.

This project addresses the urgent need for reliable and timely water safety assessments, which are crucial for preventing waterborne diseases and safeguarding public health. By emphasizing ease of use and speed, AquasafeGuard empowers individuals and communities to make informed decisions about their water sources. Its implementation has the potential to significantly enhance

public health surveillance, bolster emergency response efforts, and improve overall water quality management. Given the global challenges posed by water contamination, AquasafeGuard represents a vital advancement in ensuring safe and clean drinking water. The development of this technology highlights Ms. Padgil's dedication to advancing practical solutions for critical environmental and health issues.



Ms. Ishita Padgil

# 4) Herbal Antiseptic Soap preparation

On February 28, 2023, during the Science Day celebrations at RTM Nagpur University, Bhumika Mirashi, a final-year B.Sc. student from the CMBT group, presented her project titled "Herbal Antiseptic Soap Preparation." Guided by her teachers, Bhumika's project focused on creating a soap enriched with natural antiseptic properties. The formulation utilized essential oils and extracts from herbs such as neem, tea tree, and aloe vera, known for their antimicrobial and skin-soothing benefits.

Her presentation detailed the selection and preparation of these herbal ingredients, the soap-making techniques employed, and the testing of the final product for its antiseptic effectiveness. Bhumika emphasized the growing consumer demand for natural and eco-friendly personal care products, highlighting the advantages of herbal soaps over synthetic alternatives. Her project not only showcased her technical skills in product development but also underscored her understanding of the broader trends towards sustainable and health-conscious hygiene solutions. The presentation was well-received, reflecting both the practical application of her work and its relevance to current industry trends.





Ms. Bhumika Mirashi

### 5) Fluid Mosaic Model

Ms. Janhavi Zade and Tanuja Sable, first-year M.Sc. Microbiology students, have made significant strides in advancing our understanding of the Fluid Mosaic Model of cell membranes. Under expert guidance, their project offers a detailed examination of the lipid bilayer and membrane proteins, highlighting their dynamic interactions and roles. Utilizing advanced visualization techniques, they have produced novel insights into the fluidity and flexibility of membranes. Their rigorous experimental validation and creative problem-solving not only enhance the traditional Fluid Mosaic Model but also contribute valuable new perspectives to the field. Their work includes exploring how variations in lipid types and concentrations affect membrane properties, providing a more nuanced understanding of membrane functionality. Additionally, their project addresses how these findings can be applied to real-world biological scenarios, such as drug delivery and membrane-based diagnostics. Their research exemplifies their commitment to scientific excellence and innovation, reflecting their dedication and technical skill in microbiology. This comprehensive approach demonstrates their ability to push the boundaries of current scientific understanding and make meaningful contributions to the discipline.



Ms. Janhavi Zade and Ms. Tanuja Sable

# 6) Biofertilizer from Egg shells

Ms. Sayami Patriker and Ms. Snehal Choudhary, first-year M.Sc. Microbiology students, have undertaken an innovative project on producing biofertilizers from eggshells. Their research aims to transform eggshell waste—a common byproduct in the food industry—into a sustainable and eco-friendly fertilizer. Rich in calcium carbonate, eggshells are processed through cleaning, drying, and grinding, and then subjected to microbial fermentation to enhance their nutrient availability and bioactivity. By culturing specific beneficial microorganisms, they break down the calcium carbonate into forms that plants can easily absorb. Their project includes thorough testing to evaluate the effectiveness of this eggshell-derived biofertilizer on plant growth, nutrient uptake, and soil quality compared to conventional fertilizers. They also assess the environmental benefits, such as waste reduction and lower ecological impact compared to synthetic fertilizers. Sayami and Snehal's work not only addresses waste management but also promotes sustainable agricultural practices, showcasing their commitment to environmental sustainability and practical microbiological solutions.



Ms. Sayami Patriker and Ms. Snehal Chodhary

### 7) Drip Irrigation system

Ms. Aishwarya Mohatkar and Ms. Neha Mahant, first-year M.Sc. students, have created an impressive project titled "Drip Irrigation System Working Model." Their work focuses on constructing a functional model that illustrates the principles of drip irrigation, a highly efficient technique for delivering water directly to plant roots. This method significantly reduces water

waste and ensures that plants receive adequate moisture. Their model includes essential components such as a network of tubing, emitters, and a water reservoir, all carefully assembled to demonstrate the precise delivery of water to plants. The system features adjustable flow rates, allowing users to tailor the irrigation to various plant needs and soil conditions.

The project also involves evaluating the model's efficiency compared to traditional irrigation methods. Through extensive testing, Aishwarya and Neha have assessed how well the system conserves water and supports plant growth. Their model highlights the advantages of drip irrigation, including its ability to enhance agricultural productivity while conserving water resources. Aishwarya and Neha's project emphasizes the importance of sustainable farming practices and innovative water management. Their practical demonstration of drip irrigation technology not only provides a valuable educational tool but also contributes to the goal of improving resource efficiency in agriculture. Their work showcases their dedication to addressing contemporary agricultural challenges with effective and practical solutions.



Ms. Aishwarya Mohatkar and Ms. Neha Mahant

These projects highlight how the Department of Microbiology not only fosters students' talents but also underscores its commitment to creating a dynamic and innovative environment. The department provides a robust platform for students to showcase their experimental skills, innovative ideas, and dedication. Additionally, it encourages a collaborative atmosphere where students can engage with cutting-edge research and gain practical experience, further enhancing their academic and professional growth.

# Student Achievement in Science Expo 'VIDNYAN WARI' at Shri Shivaji Education Society, Amravati

## **Session 2022-23**

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## Report

Ku. Ketki Sonkusare Sem VI student of Botany department from Shivaji Science College, Nagpur won the third prize in Science Expo 'VIDNYAN WARI' on the eve of National Science Day organized by Shri Shivaji Education Society Amravati to commemorate the 125<sup>th</sup> birth anniversary celebration year of Dr. Panjabrao Deshmukh at Amravati. The title of her model is "Phytorid Technology". Phytorid Technology is a recycling technology of wastewater to reduce the water scarcity. This system is based on the specific plants such as Typha, Reeds, Cannas sp., Elephant grass having filtration and treatment capability.

'VIDNYAN WARI' an Science Exhibition and Competition has been organized by Shivaji Science College, Amravati at Shivaji Horticulture College premises, Rampuri Camp in collaboration with Dr Panjabrao Deshmukh Memorial Science Centre and Dr Panjabrao Deshmukh Research and Training Centre, both run by Shivaji Education Society, Amravati, on February 27 and 28.

The programme was proove to be an innovative treat for the students who were in search of dais to bring into reality their innovative concepts. The Vidnyan Wari has been organized to mark the Science Day, and also 125<sup>th</sup> birth anniversary of Dr Panjabrao alias Bhausaheb Deshmukh.

Dr. Arun Sapre, Advisor, Rajiv Gandhi Science and Technology Commission, Government of Maharashtra will inaugurate the programme. Hon'ble Harshwardhan ji Deshmukh, President of Shivaji Education Society, Amravati will preside over the programme, while executive committee member of the society will prominently remain present on the occasion. Dr Shivling Patve, Divisional Deputy Director of Education will remain present. Various programmes such as science through fun and entertainment from science centre, games clearing scientific concept, incredible science exhibition, entertaining magic show of Magician Goga, science-based movies, entertaining questionnaire and cultural programmes will be held under Vidnyan Wari. Various prizes such as child scientist, young scientist, innovative scientist and others also be presented to the students.



Ku. Ketki Sonkusare Sem VI student of Botany department from Shivaji Science College, Nagpur won the third prize in Science Expo 'VIDNYAN WARI' Day organized by Shri Shivaji Education Society Amravati to commemorate the 125<sup>th</sup> birth anniversary celebration year of Dr. Panjabrao Deshmukh at Amravati



Hon'ble Principal Prof. M.P. Dhore, felicitating Ku Ketki Sonkusare Sem-VI student of Botany department for receiving third prize in 'VIDNYAN WARI', Science Expo organized by Shri Shivaji Education Society Amravati on 28<sup>th</sup> February 2023.

Dr. A. A. Halder IQAC Coordinator S.S.E.S.A's Science College, Nagpur

Dr. O. S. Deshmukh
Principal
S. S. E. S. Amravati's
Science College, Nagpur.

# 2.3.1 Student Centric Methods Experiential Learning:- Earn while Learn

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#### Yuvak Biradari – Yuva Bhushan

#### Yuvak Biradari:

Yuvak Biradari (Bharat) is a national award winning organization working at pan- India level since 1974, cherishing the goals of humanity and nation building. It is a social, educational, cultural and youth movement in India. It has endeavoured to establish and promote Insaani Biradari (Universal Brotherhood). It also aims at strengthening the social fabric of India in order to realize the vision of a vibrant, prosperous, peaceful and enlightened nation.

Following students actively participated in **Yuvak Biradari** held at various institutions and bagged various prizes.

- 1) Ku. Wrukshani Vinod Dhobale (BSc III) & Pranav B. Lakhe (BSc III) participated in Youth leadership Development Camp organized by **Yuvak Biradari** at Verul, Dist. Chatrapati Sambhaji Nagar. Ku. Wrukshani Dhobale was selected as Best Camper.
- 2) College team secured consolation prize in **Students Parliament** organized by **Yuvak Biradari** held at District Council on 19/01/2024.





Ku. Wrukshani Dhobale was selected as Best Camper in Youth leadership Development Camp organized by Yuvak Biradari at Verul, Dist. Chatrapati Sambhaji Nagar



College team secured consolation prize in Students Parliament organized by **Yuvak Biradari** held at District Council on 19/01/2024

## Yuva Bhushan

Yuva Bhushan helps in identification of talent and leadership potential from various small and big pockets of the country. The recognition and experience open up opportunities for the youth. Through Yuva Bhushan some of the youth have benefited through mentoring, while for some it has proved to be a financial support for their education. It channelizes youth in the right direction when there is complacency and multiple distractions during youth life.

# कार्यालय, श्री शिवाजी शिक्षण संस्था, अमरावती

जा.क.श्री शि.शि.स/शानि 3956 /२०२३

R92/5/2023

प्रति,

प्राचार्य, श्री. शिवाजी शिक्षण संस्था, अमरावती, अंतर्गत सर्व वरिष्ठ महाविद्यालये.

विषय : युवा नेतृत्व विकास शिबीर, युवा भूपण स्पर्धा आणि अभिरूप युवा संसद या उपक्रमा वाबत......

संदर्भ : श्री. शिवाजी शिक्षण संस्था, अमरावतीच्या कार्यकारी परिषदेचा ठराव क्र.११६, दिनांक ३१/०७/२०२३.

डॉ. पंजावराव उपाख्य भाऊसाहेब देशमुख यांचे शतकोत्तर राप्य महोत्सवी जयंती वर्षानिमित्त संस्थास्तरावरून विविध शैक्षणिक कार्यक्रमांचे आयोजन करण्याचे संदर्भिय टरावानुसार टरलेले आहे. यवक विरादरी (भारत), मुंबई याचे सहकार्याने संस्थेअंतर्गत सर्व महाविद्यालयातील विद्यार्थ्यांसाठी १) युवा नेतृत्व विकास शिबीर २) युवा भूषण स्पर्धा ३) अभिरूप युवा संसद स्पर्धा या तीन उपक्रमांचे आयोजन करण्यात येत आहे. या तीनहीं उपक्रमांचे अनुषंगानं सविस्तर माहिती देण्यासाठी दिनांक २५ व २६ जुलै, २०२३ रोजी संस्थास्तरावर कार्यशाळा संपन्न झालेली आहे. या कार्यशाळेत स्पर्धांच्या आयोजनासाठीचे प्रशिक्षण आणि आवश्यक त्या सर्व सूचना सदर देण्यात आलेल्या आहे.

या तिनही उपक्रमांचे आयोजनाच्या अनुषंगाने संस्थास्तरावरील नियोजनाचे परिपत्रक सोवत जोडलेले आहे. परिपत्रकाचे सविस्तर वाचन करून यातील सचनांनुसार आपण आपल्या महाविद्यालयाशी संबंधीत वार्वीचे नियोजन करावे. सुलभ संदर्भासाठी युवक विरादरीची सुचनापत्रे सोवत जोडलेली आहेत, त्याचेही सद्धा अवलोकन करावे.

या स्पर्धांचे व्यवस्थापनासाठी संस्थास्तरावर खालीलप्रमाणे समन्वयकाची नियुक्ती करण्यता आलेली आहे.

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- : मुख्य समन्वयक प्रा. डॉ. महेंद्र मेटे, ९४२१७३९९९६ श्री. शिवाजी कला व वाणिज्य महा, अमरावती सहसमन्वयक श्री, पंकज निर्मळ, ७०२०६४१०८५ अनंत पंजाबराव देशमुख अकादमी, अमरावती

उपरोक्त स्पर्धांचे आयोजनाचे अनुषंगाने समन्वयकांशी समन्वय ठेवन कार्यवाही करावी. Prof. Guyale Jos N. a.

या सर्व स्पर्धा युवक विरादरी (भारत), मुंबई यांचे सहकार्याने घेण्यात येत आहेत. या आयोजनासाठी युवक विरादरीला प्रत्येक स्पर्धेसाठी लागणारे शुल्क संस्थास्तरावरून अदा करण्यात आलेले आहे. या रमधीच्या शुल्कासाठी संस्थास्तरावरून झालेल्या खर्चाच्या समायोजनासाठी प्रत्येक महाविद्यालयाला रु.१८,०००/- (अक्षरी : अंतरा हजार फवत) सहयोग राशी संस्था कार्यालात दिनांक २५/०९/२०२३ पर्यंत रोख किवा धनादेशाद्वारे जमा करावयाची आहे. सदर खर्चास शैक्षणिक उपक्रमांसाठीचा खर्च म्हणून संस्थास्तरावरून मान्यता देण्यात येत आहे.

वरील सुचनांनुसार प्रस्तावित सर्व उपक्रमांच्या यशस्वी आयोजनासाठी प्राचार्यांना स्वत: पुढाकार घेऊन कार्यवाही करावी.

सहपत्र: १) परिपत्रक क्रमांक ३१९०/२०२३, दिनांक १४/०९/२०२३. २) युवक विरादरी (भारत) मुंबईची माहिती पत्रके.

श्री. शिवाजी शिक्षण संस्था, अमरावती

प्रतिलिपी: माहितीस्तव सविनय सादर.

१. मा. अध्यक्ष, श्री. शिवाजी शिक्षण संस्था, अमरावती.

२. मा. पदाधिकारी, श्री. शिवाजी शिक्षण संस्था, अमरावती.

माहिती तथा उचित कार्यवाहीसाठी अग्रेषित.

१. श्री. पंडित पंडागळे, उपव्यवस्थापक श्री. शिवाजी शिक्षण संस्था, अमरावती.

२. प्रा. डॉ. स्वप्नील अरसड, श्री शिवाजी विज्ञान महाविद्यालय, अमरावती.

इ. प्रा. डॉ. महेंद्र मेटे, श्री. शिवाजी कला व वाणिज्य महा. अमरावती.

४. श्री. पवन निर्मळ, अनंत पंजावराव देशमुख अकादमी, अमरावती.

श्री, शिवाजी शिक्षण संस्था, अमरावती



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Dr. Panjabrao alias Bhausahob Deshmukh Founder President

Date: 20/09/2023

No. Sc FStt 6640/2023

प्रति. डॉ. राजकुमार गोसावी (धनवटे नॅशनल कॉलेज, नागपूर) समन्वयक प्राध्यापक, नेतृत्व विकास शिबीर, नागपूर विभाग

विषय : युवा नेतृत्व विकास शिबीर अंतर्गत विज्ञान महाविद्यालय, नागपूर येथील निवड झालेल्या विद्यार्थ्याची नावे पाठविण्याबाबत.

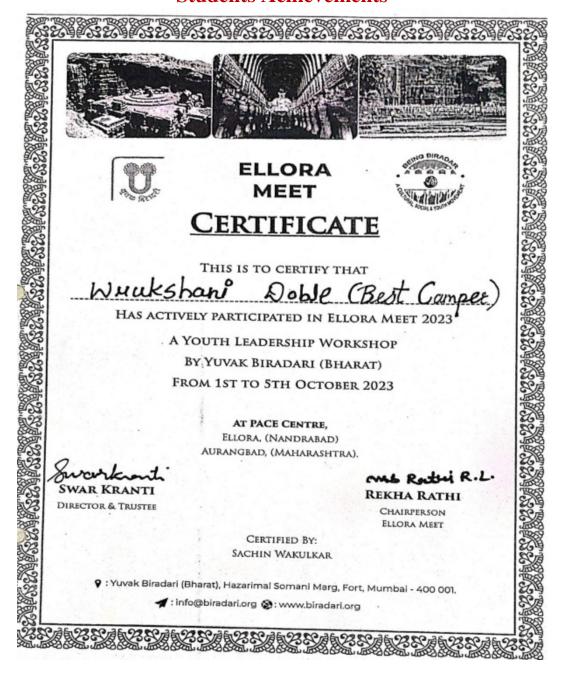
संदर्भ : श्री शिवाजी शिक्षण संस्था, अमरावती परिपत्रक क्रमांक :शिशिसं / शै.उ. /2023 दिनांक 10 सप्टेंबर, 2023.

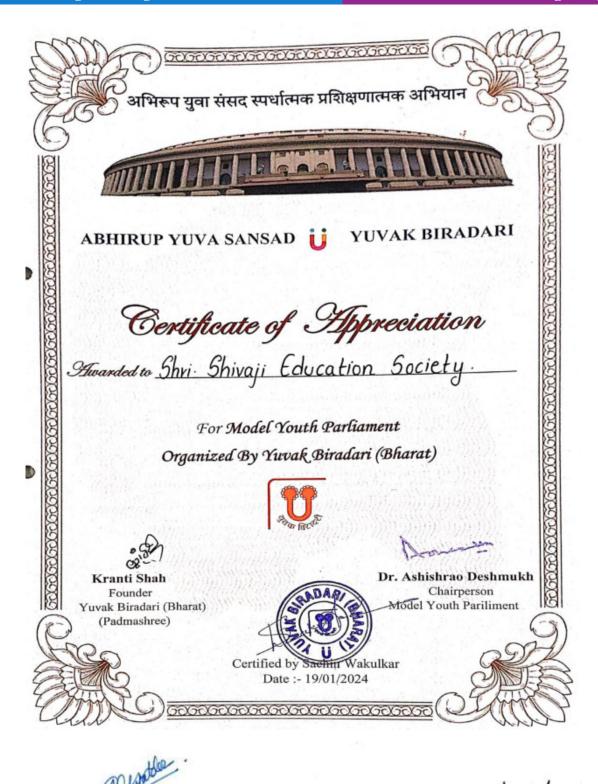
उपरोक्त विषयास व संदर्भीय परिपत्रकाअन्वये डॉ. पंजाबराव उपाख्य भाऊसाहेब देशमुख यांच्या शतकोत्तर रौप्य महोत्सवी १२५ व्या जयंती वर्षाच्या निमित्ताने विवीध शैक्षणिक उपक्रमाअंतर्गत वेरुळ, जिल्हा छत्रपती संभाजीनगर येथे आयोजीत युवा नेतृत्व विकास शिबीराकरीता या महाविद्यालातील निवड केलेल्या विद्यार्थ्यांची माहिती पाठवित आहो.

अ.क्र.	विद्यार्थ्याचे नाव	वर्ग	पत्ता	दुरध्वणी क्र.
01	कु. रुक्षाणी विनोद डोबले	बि.एस्सी. अंतीम वर्ष	प्लॉट नं. ७, इंद्रा नगर, न्यु	7666077381
02	प्रणव भुपेष लाखे	बि.एस्सी. अंतीम वर्ष	विद्या विहार कॉलनी, सिंदेवाही, जिल्हा चंद्रपुर	9822338238

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## **Students Achievements**





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