

2021-2022

Best Practice: I

Title of the Practice : Environmental Awareness Program

1. Objectives of the Practice

To promote awareness about environment and maintain clean and green campus

2. The Context

To impart knowledge, create awareness about the environment.

3. The Practice

The college organized awareness program through seminars/workshops, expert lectures to address the environment-related issues. The college promotes the Plantation of trees. For attention the conservation of flora and fauna Wild life Week and Nature Walk was conducted. On the eve of World Sparrow Day competitions and installation of bird feeder in college campus was conducted. Organised Eco friendly Holi and Ganesh Festival.

4. Evidence of Success

College efforts has acknowledged by the local Municipal Council Chandur Rly.

5. Problems Encountered and Resources Required

Due to Semester pattern examinations (time constraint) was the biggest obstacle faced by the institute during organization of environmental awareness program.

Best Practice: II
Title of the Practice: Science for Life

1. Objectives:

To promote scientific temper and to create interest and develop the research culture through project.

2. The context: Encourage the students for participatory approach.

3. The practice : Student Research Project :

A Six months duration Student Research Project was allotted to a group of students. The College provided the financial assistance to group of the three or four College Students for conducting the Student Research Project.

4. Evidence of Success

Numbers of beneficiaries are increased

5. Problems Encountered and Resources Required

Conduction of this practice in a stipulated time period was the challenge.


IQAC Co-ordinator
Rajarshee Shahu Science College
Chandur Rly., Dist. Amravati





Principal
Rajarshee Shahu Science College
Chandur Rly., Dist. Amravati

Best Practice: I

Title of the Practice : Environmental Awareness Program

S.N.	Name of Activity	Date of Program
1	Tree Plantation Program	4 th July 2021
2	Guest Lecture on World Environment day	5 th June 2021
3	Eco friendly Rakhi competition	22 nd August 2021
4	Guest Lecture on Eco friendly Ganesh Festival	7 th September 2021
5	Celebration of Ozone Day	16 th September 2021
6	Poster Competition on Wild life Week	1 st Week of October 2021
7	Swachhata Abhiyan	21 st December 2021
8	Eco friendly Holi Festival	17 th March 2022
9	World Sparrow Day	20 March 2022
10	Nature Walk	5 th April 2022
11	World Earth Day	23 rd April 2022


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Tree Plantation Awareness Program

Birth anniversary of Hon.Prof.Uttaratai V.Jagtap President Atul Vidya Mandir was celebrated by tree plantation in the campus on 4th July 2021.All faculty members actively participated in the tree plantation program.



Sapling Planted by the Hon. President of Atul Vidya Mandir



Tree Plantation Program 4th July 2021 organised by SIGNature

Dr.G.B.Santape
Convener

Dr.S.P.Patharkar
Co- Convener


IQAC Co-ordinator
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Chandur Riy., Dist. Amravati




Principal
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Chandur Riy., Dist. Amravati

State Level Eco Friendly Rakhi Competition (2021-2022)



Atul Vidya Mandir Wardha
Rajarshee Shahu Science College, Chandur Rly.
Dist Amravati.444904

Affiliated to Sant Gadge Baba Amravati University , Amravati
Accredited with B+ Grade by NAAC, Bengaluru.

Department of Botany And SIGNature Club
Jointly Organized

State Level "Eco-Friendly Rakhi Competition"
Date - 22 August 2021

Competition open for all UG/PG students.
Prize will be given to winners
E-certificate will be issued to all participants
Link For Registration: <https://forms.gle/QXCBBfjLDeaWpALj7>







Organising Committee

Dr.G.B.Santape

Dr.M.J.Keché

Dr.S.P.Patharkar

Mr.P.R.Sardar


IQAC Co-ordinator
Rajarshee Shahu Science College
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Principal
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Chandur Rly., Dist. Amravati



Wildlife week celebration 2021



Wildlife week celebration 2021- Poster Competition



Swachta Abhiyan (2021-2022)

Our environment is responsible for plants, animals, food chains, water and much more. Therefore, we should keep our environment clean. Gadge Maharaj always gave the message of cleanliness, to highlight his work and to spread the message of cleanliness to the people, our NSS Department in collaboration with cultural cell organized cleanliness campaign on the occasion of Death anniversary of Sant Gadge Baba at Malkhed Dam on 20th December 2021. All the NSS Volunteers and all teaching and non teaching staff were participated in this cleanliness campaign.



Saplings were planted On the eve of Birth anniversaries of Honorable President of Parent Society Atul Vidya Mandir Wardha Prof.Uttaratai Jagtap and Secretary Dr.Virendrabhau Jagtap.Students and faculties were attended the program.



World Environment Day (2021-2022)

World Environment Day was celebrated on 5th June 2021 on virtual platform. The program was jointly organized by SIGNature in collaboration with TREE. The theme of the year was **Ecosystem Restoration**. Dr. M. V. Shirbhate Associate Professor Department of Zoology Shankarlal Khandelwal College Akola was the resource person. On this occasion he delivered the lecture on Impact on Climate Change : Causes, Effects with Possible Solution. Total 125 students attended the function. Dr. S. S. Thakare presided over the function. Introductory speech was given by Dr. G. B. Santape Convener. Slide Show on Bird Feeder activity organized on the occasion of World Earth Day was presented by Dr. S. P. Patharkar. Student of B.Sc. III Ms. Rutuja Nihatkar conducted proceeding of program whereas Ms. Sakshi Pantavane was given the brief introduction of the Guest

Recording link:

<https://drive.google.com/file/d/1dw65lrqiVs02HeaZo8njZ9nwF9w7awrM/view>



Dr. G. B. Santape
Convener

Dr. S. P. Patharkar
Co-Convener

Eco friendly Ganesh Festival (2021-2022)

Every festival it is evident that our culture actually is protecting nature and the festivals suggest us to live in harmony with nature. Various surveys indicate that there is a significant increase in water, air and noise pollutions during and just after the festivals. To keep this issue in mind we organized Eco-friendly Ganesh idol making awareness workshop on virtual platform on dated 7th September 2021, Dr.Shrikant Warhekar Assistant Professor, Department of Environment Science, Arts and Science College Kiran Nagar Amravati and Joint Secretary of WECS was as a Resource Person. He talked on how to celebrate pollution free festival. Total 70 students and teachers were participated in the event.



Resource Person



Dr.Shrikant Warhekar

Eco Friendly Holi (2021-2022)



World Sparrow Day (2021-2022)

To commemorate World Sparrow Day, SIGNature was organized the various Competitions and activities during 21-24 March 2022 for Kids and College Students to raise the awareness about protection of the biodiversity and the beauty of nature. Students of School and B.Sc.I,II and III were actively participated in the Greeting Card Making Contest, Bird Nest Preparation Competition, Installation of Water Pot in College Campus. Total 100 Post card was written by the nature lovers and members of SIGNature and sent to the “President of India” requested him for “Help impose a nation-wide Ban on Chinese/nylon/glass manja which massacres hundreds of birds. First and Second Prize of each competition was declared on the same day and Certificates were distributed to active Participants



World Earth Day (2021-2022)

To commemorate the World Earth Day the SIGNature of the College was organized the guest lecture of renowned Conservation Biologist and Ecologist on dated 23 April 2022. The theme of the year was **Invest for Our Planet**. The activity was conducted in collaboration with Department of Zoology. Dr. Ramzan Virani, Ecologist and Wildlife Warden Assistant Professor Department of Zoology, S.M. Arts, Commerce and Science College, Pandharkawada was the Chief Guest and he delivered the invited talk on the topic **Conservation of Natural Resources to Save Our Planet**. The main aim of the activity was creating the awareness among the students about the conservation of planet and protection of mother earth. The program was started with lamp lightening and Photo Pujan. Introductory Speech was given by Dr. G.B. Santape Convener SIGNature, Dr. Ramzan Virani was felicitated by given the Shawl, Shriphal, Memento and Book with the gracious hands of Chairperson of the program. Principal Dr. S.S. Thakare presided over the function, introduction of the guest was given by the student of B.Sc. III CBZ group Ms. Sakshi Pantavane, the program was conducted by Ms. Anushka Londhe whereas vote of thanks was proposed by Ms. Gayatri Belsare. On this occasion Dr. M.P. Chikhale, Head Department of Zoology, Dr. M.J. Keche, Assistant Professor, Dr. S.P. Patharkar Co-Convener of SIGNature were present on the Dias. The program was attended by all teaching staff. Total 84 Students were attended the program.



Nature Walk (2021-2022)

The Nature walk was organized on 5th April 2022 in Pohara Malghed Reserve Forest. It was 5Km. round. The aim of the activity was orienting students to the unique biological and cultural aspects of the region. This camp was provided students an experiential learning opportunity about the biodiversity, livelihoods, lifestyles and culture in the Forest. The Nature walk was attended over 98 Students with Six Faculties and Two NGO Members of WECS Mr. Saurabh Javanjal and Shashank Nagrale.



**Atul Vidya Mandir Wardha's
Rajarshee Shahu Science College Chandur Railway
Dist.Amravati**

**Sponsored
Student Research Project**



**Guidelines For
Students and Supervisors**

Website: www.rssc.edu.in

GUIDELINES FOR PROVIDING GRANT

To

Student Research Project

College strives to promote research excellence and culture among the students in emerging areas of Basic Science, Allied disciplines need to be studied and researched in a more organized manner. Institutionalization of such activities is a need of the present times.

Introduction

The project provides an opportunity for a range of different types of research. For example, students could study the current topics or existing knowledge gap of information systems related subject area using a range of different data sources, design an intervention and evaluate it, complete a small survey, or study client use of other services. This project is used to increase the students' critical thinking ability in particular problem domain, identify knowledge gaps and define research problems, come up with a conceptual framework for addressing the identified research problem by applying learnt theory and research methodologies and eventually conclude the project with deliverables. Further, this will be an opportunity for students to develop their decision making skills and negotiation skills especially with supervisor's and examiners' interactions.

Objectives of the project

While projects vary in their aims, scope and design, they should be designed so as to allow student to demonstrate their ability to apply the principles of research at an undergraduate level.

In reporting on the project, Students should show that they can:

- a. Identify and define a significant issue relevant to the subject
- b. Systematically collect relevant up-to-date information about the issue, either directly or from published studies or publicly available data
- c. Analyze, interpret and discuss the information in accordance with standard academic and Information Technology
- d. Write and present the study in accordance with academic standards at an undergraduate level.

Target Group :

The College will support the financial assistance to group of the Three of Four College Students for conducting the Student Research Project. A group of Students with Investigator can avail only one project at any given time. It would be the responsibility of Investigator and Students for accountability of the project. They can apply for under the scheme for current academic year.

The Investigator teacher should preferably publish at least one research paper in the reputed journal after the completion of the project.

Nature of Financial Assistance:

Atul Vidya Mandir /Institute will provide (Rs.5000/-) Five Thousand as a Seed Money in the form of financial support for the items Chemicals, Consumables, Hiring services and field work

Tenure of the Project:

Project should be completed within Four Months after the approval of authority

How to Apply:

Investigator Teachers with project fellows may submit their proposed project work through application for the financial assistance. The prescribed format of the application is available on College Website www.rssc.edu.in. The downloaded copy of the same duly signed by Head of the institution, Investigator Teacher concerned and Project fellow should be submitted within time line to the SRPC for the approval.

Procedure for release of Financial Assistance:

Initially, half amount of grant will be provided and half amount will be released on receipt of completion documents for final reimbursement. It is mandatory to submit the progress and summary report and detailed statement of expenditure. The unutilized money may be refunded immediately to the institute.

Responsibilities of Students

The students carrying out a research project are expected to undertake the following responsibilities:

1. It is a requirement that the students engage in their project work at least 150 hours and complete it within a Four month period of an academic year.
2. Students should have preliminary discussion with supervisors before starting the project.
3. The student should maintain a work diary and need to update the diary regularly with important decision after meeting with the supervisor
4. Students are highly encouraged to refer library and other academic journals, while they are conducting literature search and research tasks. If any research paper is inaccessible, students can request it from supervisor. Supervisor may get necessary actions to provide the paper in his/her best.

5. The students should keep informed supervisor and course coordinator, if any problem is raised interrupting their research work.
6. The students should maintain friendly environment with Investigator Teacher/Supervisors and colleagues in laboratories.
7. The students should make 10-minute presentations for defending research proposal arranged by the Coordinator.
8. Students need to make all marked corrections by supervisor prior to submit the final thesis

Role of A Supervisor

The Supervisor is expected to help the Students, under their supervision by following ways to complete the final research project.

1. Guide Students to formulate an appropriate project proposal and outline of the project work
2. Conduct meeting regularly.
3. Inform Students the progress of their work whether it is satisfactory or not
4. Advise Students to improve the research activities, composing dissertation and presentations
5. Guide Students to publish their work in conferences or journals
6. Review the draft of research project dissertation, presentation slides and poster.
7. Act as one of the examiners on submission of the project.

Finalising Research Project proposal

Research project proposal is the most important document at the beginning of research project. This proposal guides students to conduct research effectively though out course duration. When the students prepare a research proposal, few important factors should be taken into account such as scope of the project, motivation and possibility to complete by given time frame. The project proposal should not exceed 3-5 pages and key components of the project proposal are as follows.

1. Title : The title of the project, should not exceed 10 words
2. Proposer: Name of the investigator and the Students
3. Research Problem: The description of the problem which the student is going to solve from the research project
4. Hypothesis: A statement of the hypothesis which are being tested, or the

research question which are endeavored to answer, there should be at least one research question or maximum three research questions.

5. Background: A summary of the key relevant literature, references, or needs analysis that justifies the project

6. Aims: A statement of the expected outcomes of the project, and how they will help to address the problem

7. Objectives: An outline of the specific strategies or steps by which students intend to achieve the research aims

8. Methodology: A more detailed outline (sometimes called 'project protocol') of the actual research, data collection and analysis

9. Time Frame: A timetable or plan of the key activities or stages of the project

10. Ethics (if available): An appreciation of any ethical issues raised and how they will be addressed

Structure of the Thesis/Dissertation

It is the most important document for this course and it should be in a form of a document of 30 pages and about 4000 -5000 words. When the students are composing the thesis, following structure may help to make high-quality project

- Title Page
- Acknowledgements
- Abstract
- Main text
- Introduction
- Literature Review
- Methods
- Results
- Discussion
- Conclusion
- Recommendation
- References

Atul Vidya Mandir Wardha's
Rajarshee Shahu Science College
 Chandur Railway Dist. Amravati



Sponsored
Student Research Project
List of Research Proposals

S. N	Subject	Name of the Investigator	Name of the Students	Class	Title
1	Botany	Dr.M.J.Keche	Ms.Prapti Wankhade Ms.Vaishnavi Mahalle Ms.Priyanka Samrit Ms.Vedanti Diware Ms.Achal Thakare	B.Sc.II	Pharmacognancy importance and uses of medicinal plants
2	Botany	Dr.S.P.Patharkar	Ms.Harsha Dhage Ms.Shrutika Patil Ms.Vaishnavi Thakare Ms.Anushka Gulhane	B.Sc.III	Post harvest diseases of fruits and vegetables in Chandur Railway
			Ms.Neha Borkar	B.Sc.II	
3	Botany	Dr.P.R.Sardar	Sakshi Pantavane Anushka Londhe Gayatri Belsare Deep Choudhary	B.Sc.III B.Sc.II	Study on aromatic phyto constituents from leaves of <i>Anisomeles indica</i> (L.kunj)
4	Chemistry	Dr.A.D.Bansod	Ms.Snehal R.Shivankar Ms.Aditi P.Pawar	B.Sc.II	Water quality assessment in area of Chandur railway tehsil
			Ms.Pratiksha A.Gajbhiye Ms.Nikita S.Jambwale Ms.Renuka M.Dolas	B.Sc.I	
5	Chemistry	Dr.S.S.Padhen	Ms.Sakshi R.Shinganjudhe Ms.Sakshi G.Harne Ms.Shreya G.Gawande Ms.Prajakta V.Kolhe Mr.Suraj Virulkar Ms.Shweta V.Jalit	B.Sc.II	Extraction of essential oil from Nagarmotha rhizome as natural perfumes
6	Chemistry	Dr.A.P.Thakare	Ms.Vanshika Deole Ms.Shreya Rajnekar Ms.Gouri Sandhekar Ms.Anuja Ingole Ms.Aliya Pathan	B.Sc.I	Synthesis and Characterization of compounds obtained from egg shell

7	Physics	Dr. A. P. Pachkawade	Vaishnawi Kawalkar Mr. Pratik Gajbhiye	B.Sc. II	To Study the Radial profile of LASER
8	Physics	Dr.R.N.Bhagat	Shivam Thakare Om Gorle	B.Sc.I	Development and structural study of metal sulfide thin film by chemical route method
9	Zoology	Dr.M.P.Chikhale	Ms.Divya D.Harne	B.Sc.II	Study of spider diversity up to family level from Tembhurni village area
10	Zoology	Dr.G.B.Santape	Ms.Vaishnavi N.Kamble Ms.Tanisha J.Wankhade Ms.Divya D.Shelokar Mr.Deep M.Choudhary	B.Sc.II	To study the diversity and phylogeny of spiders of Pohara Malkhed forest region

Convener
Dr.G.B.Santape
Student Research Project

Co-Convener
Dr.R.N.Bhagat
Student Research Project

Co- Convener
Dr.S.P.Patharkar
Student Research Project


IQAC Co-ordinator
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Chandur Rly., Dist. Amravati




Principal
Rajarshee Shahu Science College
Chandur Rly., Dist. Amravati

Receipt of Funding Provided to Student Research Project

Rajarshee Shahu Science College, Chandur Rly
Dist. Amravati
Voucher No. _____ Date: 20 / 05 / 2022
Head of Account Fund for student Research Project
Paid to Dr. M. P. Chikhale
On account of SRP
Rs. 2500/- (in words) Two thousand five hundred Rs. only
Sanctioned the above payment
Accountant
Received the above payment
Principal
Rajarshee Shahu Science College
Chandur Rly, Dist. Amravati
Date: 20 / 05 / 2022
Receiver

Rajarshee Shahu Science College, Chandur Rly
Dist. Amravati
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Rajarshee Shahu Science College, Chandur Rly
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Voucher No. _____ Date: 20 / 05 / 2022
Head of Account Fund for student Research Project
Paid to Dr. A. O. Bansod
On account of SRP
Rs. 2500/- (in words) Two thousand five hundred Rs. only
Sanctioned the above payment
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Principal
Rajarshee Shahu Science College
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Rajarshee Shahu Science College, Chandur Rly
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Head of Account Fund for student Research Project
Paid to Dr. A. P. Thakare
On account of SRP
Rs. 2500/- (in words) Two thousand five hundred Rs. only
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Head of Account Fund for student Research Project
Paid to Dr. R. N. Bhagat
On account of SRP
Rs. 2500/- (in words) Two thousand five hundred Rs. only
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Accountant
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Head of Account Fund for Student Research Project
Paid to Dr. P. R. Sardas
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Rs 2500/- (in words) Two thousand five hundred Only
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