

BEST PRACTICES ADOPTED BY COLLEGE

PRACTICE 1

TITLE OF THE BEST PRACTICE: Talent Search Expedition (TSE): Supporting Talented Students specially from economically weaker Sections

OBJECTIVES OF THE PRACTICE:


- To identify and attract the best talent at 10+2 level in the nearby rural and sub-urban areas of Muzaffarnagar and invite them to join employment-oriented courses.
- To offer a helping hand to the needy meritorious candidates through offering scholarships.
- To create a healthy and positive competitive environment among intermediate students.
- To help build confidence among students of all categories and talents.
- To inspire the genuine talent and innovative ideas.
- To provide guidance and career counseling to rural students for their future courses of study.

THE CONTEXT:

Talent Search Expedition (TSE) is a competitive examination conducted by Shri Ram Group of Colleges in order to identify the talented students specially from rural and economically weaker section to provide them with financial assistance in terms of scholarships, based on their merit in the examination. This exam is conducted at group level and after that the data was managed by the concerned team of the college. This examination was being conducted for girl candidates only till session 2019-20. In the session 2021-22, it has also been opened for talented boy candidates also from economically weaker section. This examination is aimed to lend scholarship assistance to meritorious financially-challenged candidates without any discrimination on the basis of age, gender, social alignment, religion, etc.

THE PRACTICE:

An Educational Institution is the place where education to be served without discrimination based on caste, creed, colour, language or gender. Shri Ram College has focused its functioning on imparting education with equity and equality. Nonetheless, Shri Ram College has also kept in mind its moto to promote the equal opportunity of education to girl students. Therefore from 2016-17 onwards a special scheme for girls' aspirant was started in the name of Talent Search Expedition (TSE) to facilitate poor and talented girl students to enjoy their technical and professional education. Under this scheme a competitive examination is conducted in the month of June every year forth admission of next session, through which a concession in the fees up to 100 percent is given according to their performance in the test. This policy is adopted by all institutes under the Shri Ram Group of Colleges. In the same line Shri Ram College believes in sensitising its students to be aware of Gender Equality and equal treatment with the other gender especially for women. A series of programs are conducting by different department through which students are made aware of women status in the present Indian society and they are sensitized that a woman has equal rights and respect


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as man. So, it should be given proper attention that a girl is not teased, harassed, insulted or assaulted. They should be treated with respect and dignity. From the year 2020-21 the college has started this TSE for boy candidates also. Special counseling sessions for boys are also conducted throughout the year. Placards and flex-boards and other means are used for a wider awareness throughout the campus. Shri Ram College also addresses the issue of imparting education in rural areas. Therefore, more attention is paid on the students from rural areas in and round radius of 70 km. (approx.) of Muzaffarnagar. A special team was nominated for carrier counseling of students studying in rural areas so that many needy students got benefited for taking right decision for their future planning and higher studies. Poor students are also benefited by given some financial support on the recommendation of our faculty members for taking admission in higher studies in our college. College provided transport facility to commute at all main routes from rural areas at economic cost. Since beginning on an average 455-500 students have been benefited through TSE every year, in this year 821 students were benefitted. This year TSE was conducted offline and online mode and out of state students were also participated. Date of TSE exams were 21/07/2021, 23/07/2021, 10/08/2021, 11/09/2021, and 22/10/2021.

PROBLEM ENCOUNTERED AND RESOURCES REQUIRED:

1. Vast Area: Muzaffarnagar is a big district which has a scattered rural area in number of 4 Tehsile, 9 Blocks and 704 Villages.
2. Cost Involved: It incurs a very high cost of promotion among the children of 10+2 colleges.
3. Interest and Awareness: People of rural area have a conservative approach towards profession education hence we face difficulty in convincing the parents/ guardians.
4. Background of the Students: Students belong to variety of educational background, i.e., CBSE, ISC and UP Board with Hindi/English medium, combining them all together is also a challenge.
5. Our pass out students may also support us for this activity as promotion.


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PRACTICE 2

TITLE OF THE BEST PRACTICE: Saving Energy and Environment: Non-Conventional Energy Resources and Other Methods

OBJECTIVES OF THE PRACTICE:

1. Creating and spreading awareness of environment conservation
2. Participation in tree plantation programmes
3. Rain water harvesting
4. Non-conventional energy production
5. Use of electric vehicle inside the campus
6. Use of low power consuming electric appliances
7. Save water campaign
8. Waste Management

THE CONTEXT:

“We all affect environment and environment affect all of us.” Shri Ram College believes in this philosophy and hence makes its best efforts to protect the environment. A Number of practices have been adopted by the College in this regard to meet the above said objectives. Issues related to environment such as save water, save greenery, tree plantation, save energy, waste management, etc are paid due attention. From inception Shri Ram College has adopted highly sensitive approach towards environmental protection therefore College has been taking due measures for saving environment through various approaches such as tree plantation, waste management, well designed sewage disposal system, water conservation, polythene free campus and energy conservation. Energy is a universal measure of strength of a nation, as most of the human activities are now not possible without use of energy. Energy consumption index is a reflection of socio-economic progress of a country. Hence, conservation of energy is equally important as its production. Saving energy and producing it by alternative methods has become imperative in order to save the environment.

THE PRACTICE:

Understanding the importance of energy conservation Shri Ram College has installed Rooftop Solar Panels in the campus producing 160 Kilo Watt of electricity. The reason behind this is to take a bigger step towards environmental protection. We have taken lot of energy initiatives and our managing committee approved a 160 KW Rooftop Solar Panel System worth Rs.1.05 crore. The area covered by this solar panel system is 3562.37 square meter which results in 22.26 square meter / KW. The average production of electricity by this system is 960 KW per day and 350400KW per year. The configuration of this solar Roof top system depicts 300Wp PV modules and string inverter of 160 KWP. They operate with a free



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resource and do not produce greenhouse gas emissions when converting sunshine to electric power. Shri Ram College is a lush green campus with beautiful landscapes. The greenery within the campus is maintained throughout the year and lot of fruit bearing and other kind of trees have been planted in and around the campus which include mango, jamun, litchi, neem, rubber etc. A variety of decorative plants have also been planted which include different kind of palm, ferns, herbs, shrubs in the green area. College uses purely bio fertilizers which are produced within the college campus through a small dairy farm. The College discourages the oil driven vehicles in the campus. We generally use electric rickshaw for internal commuting and vehicles are not allowed beyond certain points of parking in the campus. To reduce energy consumption The College uses low power consuming electrical appliances such as Sensor based lighting system, LED Tubes, Fans, Air conditioners, Water Coolers, Refrigerators, and Computers etc. The campus has well maintained rain harvesting system which is used for water conservation through rain water harvesting and waste water management. Not a single drop of water is drained out of the campus. Shri Ram College truly believes in the spirit of clean campus and green campus for which we have a well-developed solid waste management system in the campus. Shri Ram College is counted to be one of the cleanest campuses of the region.

THE EVIDENCE:

Percentage of annual power requirement of the institution met by the renewable energy resources and some electricity are also sent to grid of Uttar Pradesh Power Corporation.



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PRACTICE 3

TITLE OF THE BEST PRACTICE: Improving research skills of students as per industrial requirement by making projects

OBJECTIVES OF THE PRACTICE:

(a) The primary purposes of this practice is to aware the students about basic research as documentation, discovery, interpretation, and the research and development (R&D) of methods and systems for the advancement of human knowledge.

(b) Research skills allow the students to find information and use it effectively.

Learning in research fosters personal and professional growth, empowering researchers to expand their knowledge base and develop their expertise.

Critical thinking, problem solving, taking initiative, and overall knowledge how to work professionally in front of your peers are all crucial for effectively conducting research.

(c) Developing research skills fosters personal and professional growth by instilling a sense of curiosity, intellectual independence, and a lifelong learning mindset. Research encourages individuals to seek knowledge, challenge assumptions, and embrace intellectual growth.

(d) Research in education primarily aims at systematic investigation of educational problems and tries to provide possible solutions to those problems.

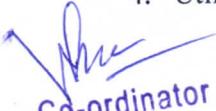
THE CONTEXT:


A research problem is a statement about an area of concern, a condition to be improved, a difficulty to be eliminated, or a troubling question that exists in scholarly literature, in theory, or in practice that points to the need for meaningful understanding and deliberate investigation. By acquiring new research skills for students and researchers, student can undertake more complex projects, produce high-quality work, and gain recognition in your field. It includes creating a strategy to gather facts and reach conclusions so that anyone can answer a question. Think about your topic – don't be too vague or too specific (try mind mapping or keyword searching). Student can contribute to broad-based assessments of the benefits or risks of new knowledge and new technologies. They frequently educate students, policymakers, or members of the public about scientific or policy issues.

THE PRACTICE:

Teachers monitor the project to make sure it follows the requirements and standards. They interpret the data, produce reports discussing research findings and provide recommendations at the end of the project. They guide the students to fact check of their sources, as:

1. Ask the right questions.
2. Dig deeper: Analyzing.
3. Give credit.
4. Utilize tools.


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5. Summarizing.
6. Categorizing.

Teachers tell the students about to correct methods of research as:

- Social and clinical value.
- Scientific validity.
- Fair subject selection.
- Favorable risk-benefit ratio.
- Independent review.
- Informed consent.
- Respect for potential and enrolled subjects.

Five sources of a research problem:

- Interviews. Interviews sessions can be significant sources of research problems.
- Personal Experiences. Your everyday experiences are a good source of research problem.
- Deductions from Theory.
- Interdisciplinary Perspective.
- Relevant Literature.


One of the most common and effective ways to find a research problem a survey or literature review. A literature review is a systematic and critical analysis of the existing research on a topic. It helps you to identify what has been done, what is missing, and what is controversial in your field of interest

EVIDENCE OF SUCCESS:

- Many projects have been run by the students of different departments in “CIFED” (Center for Innovation, fabrication, and entrepreneurship development). College support financially also for making the projects of students.

PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:

- Inefficient Time Management.
- Difficulty in Starting your Research.
- Lack of Communication with Advisor.
- Absence of Advisor.
- Micromanaging Advisor.
- Difficulty in Keeping Up with the Teaching Job.
- Colleague Friction.
- The Center for Research of Government can support the students by allows them to take some fund for many of the specific research work.


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