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Vadakuchipalayam, Kappiyampuliyur post, Villupuram605601, Tamilnadu.

CRITERION 7 – INSTITUTIONAL VALUES AND BEST PRACTICES

Key Indicator - 7.2 Best Practices

7.2.1. Describe two best practices successfully implemented by the Institution as per NAAC format provided in the manual

NOTE: The supporting documents for this metric exceed the upload limit of 5MB. Hence the documents are made available in HEI website and links for the metric is given below.

INDEX

METRIC	PARAMETER	LINK TO RELEVANT DOCUMENTS	
7.2.1	Describe two best practices successfully implemented by the Institution as per NAAC format provided in the manual	VIEW DOCUMENT	

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A.R.ENGINEERING COLLEGE

VADAKUCHIPALAYAM,

KAPPIYAMPULIYUR POST,

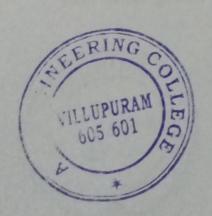
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INDEX

S.NO	DESCRIPTION	PAGE NO
1	Best Practice I	
2	Best Practice II	5





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BEST PRACTICE I

1) Title of the Practice

"GREEN, CLEAN, SAFE AND ECO-FRIENDLY CAMPUS"

2) Objectives of the Practice

The A.R. Engineering College is an eco-friendly establishment. The college's campus is situated near National Highway. The college makes every effort to keep the lush, verdant grounds surrounding the campus attractive. Since its founding, the A.R. Engineering College has worked to lower energy use, maintain a level of indoor air quality, and increase energy efficiency on campus by using strategies that are compatible with a secure, safe, and community-focused campus. To encourage students to keep environment clean. To educate students to create awareness amongst public. To make students understand the importance of environment and make the campus clean.

3) The Context:

Following will help us to implement the green initiatives. In order to implement the green initiatives:

- 1) Such initiatives are possible only by cooperation of students. Motivating both faculty and students to take part in green efforts, such as reducing the use of plastics, utilizing cooling systems less, keeping off lights and fans, and opting for eco-friendly ways to get around, are essential.
- 2) Since this serves as a non-residential campus, faculty and administrative personnel drive home independently and also by college bus. It is important for advancing the carpooling culture.
- 3). There is virtually little interconnectivity for public transit, which promotes the usage of polluting vehicles. To foster environmentally friendly behavior, this must be addressed.
- 4) AREC is a Self-financing College and its expenses are met from students and from the government's assistance in purchasing ecologically sound equipment and other green initiatives are the great benefit to the college.





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4) The Practice

Campus-wide programs aimed at reducing, reusing, and recycling are contributing to the development of a green code of conduct that includes the following:

Energy Conservation: By adopting a proactive and forward-thinking approach, the energy conservation strategy seeks to ensure responsible, economical, and energy-efficient operations on campus. The building's abundance of natural light, false ceilings that reduce heat load, and LED lighting all contribute to its energy efficiency.

Maintenance of water bodies: Groundwater is essential to the institution's operation. Bore wells and open wells are present, in that order. The facility provides adequate storage for drinking water, groundwater, and water for cleaning. The facility has a RO purifier that cleans drinking water for use in drinking. In addition to groundwater, the college features rainwater gathering pits that are effective in the wet season. A rainwater collection system was installed on our campus.

- Sewage management: Garbage is disposed of properly. On campus, no hazardous waste exists.
- Landscaping with trees and plants: Every year, AREC plans a tree-planting initiative on the campus of the college. Students and faculty participate in the Plantation Program. The initiative to plant trees both on and off campus is eagerly started and carried out by students and staff. Students are made aware of the benefits of large-scale wild plant species and ornamental and medicinal tree plantings through environmental education programs. By increasing the amount of oxygen on campus, this program encourages a greener atmosphere.
- E-waste management: A significant global environmental and public health concern is the disposal of e-waste. All of the irresponsibly disposed-of e-waste is collected at the College and distributed to outside suppliers. The difficulty of properly disposing of electronics has increased along with their widespread use. The College is figuring out how to deal with the problem of electronic garbage, or "e-waste," on campus in an economical and efficient manner. While it's common for people to throw away things after they wear out, the constant upgrading of technology by



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administrators, teachers, and students has led to an increase in e-waste. Due to this increase, college administrators are now compelled to thoroughly review and handle the environmentally responsible disposal of these goods across the entire campus.

AMC is kept up to date to regularly assess the CPUs and monitors' ability to perform effectively. Expert advice is then followed to dispose of the same. Printer cartridges are refilled off-campus at other locations. The suppliers recharge UPS batteries.

5) Evidence of Success

- The college's green campus project not only improves the campus's aesthetics but also contributes to environmental preservation.
- In addition to giving humans a place to live, plants are utilized in scientific research.
- The college's electrical bills demonstrate the considerable financial savings.
- The use of water conservation techniques contributes to the upkeep of green and eco-friendly campus landscaping.
- College campuses are now tidy and attractive thanks to the ban on plastic products.
- Every week, AREC students will participate in PET hours. Our campus is surrounded by a large number of plants and trees, which helps our pupils breathe clean air and provides a nice space for them to perform sports.
- A growing number of faculty, staff, and students are using paper bags. The street vendors benefit financially as a result.
- The policy of energy conservation develops a progressive approach and provides energy efficient and cost-effective operations in the campus like false ceiling as well as abundant natural light makes the college building energy efficient and saves power consumption.
- We are constantly felicitated and applauded by local authorities for our clean and green campus initiatives.
- We are constantly improvising on green and clean campus initiatives so as to fulfil our social responsibility.





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6) Problems Encountered and Resources Required

- Careful planning of human resources is necessary for the preservation and growth of plants.
- There has to be good public transportation in the area.
- The college need government assistance to carry out a number of environmentally friendly projects, automated switches to conserve electricity, air quality monitoring equipment, and recycling machines.
- The College needs Government assistance for battery car for travelling within the campus.
- The College needs government assistance for installing sprinkler irrigation system.
- Because AREC has normally higher pollution levels, the college relies on government assistance to control pollution in the neighbourhood in order to maintain a green campus.
- The biggest challenge is the lack of funding for self-financial institutions from government/agencies for the development of the sustainability projects.
- The plastic wrappers for chocolates, e-commerce packing materials, are permitted by market norms, which actually cannot be controlled with plastic ban.





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BEST PRACTICE II

1) Title of the practice

"TARGETED COACHING FOR STUDENTS".

2) Objectives of the practice

The goals are to cultivate a culture of competition among students, encourage more students to make the university merit list, foster a positive environment. Student coaching plays a vital role in supporting students on their journey to success. By understanding the role of student coaching and recognizing its benefits, coaches can make a significant impact on the lives of their students. Student coaching is a collaborative process between a coach and a student, aimed at empowering the student to reach their goals. Coaches provide guidance, support, and accountability to help students navigate challenges, develop essential skills, and maximize their potential.

3) The Context

The location of the college is rural. The majority of admitted students come from rural areas. They have no idea about higher education or the idea of succeeding in the field. Some students are not good in language. Thus, "Special Coaching" has been implemented by the College for all students. The Students are separated into three levels Slow learners, Intermediate and Toppers. The idea behind this concept is to help students become more self-assured and competent. The yearround practice of the special coaching activity precedes the start of the University Examination. For every unit in a subject, a collection of key questions is provided, and the students will practice answering those questions. ability and writing Students' experience for university exams will both improve as a result. The institution now has a better academic environment as a result of this idea. A special coaching effort is considered successful if the results consistently exceed expectations.



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4) The Practice

Certain practices make up special coaching activities. wherein each department will create a coaching timetable that comprises:

i. Schedule of Unit Wise Test Examination of each subject: -

The faculties prepare a subject-specific unit test schedule and publish a separate timetable to indicate when these tests will be administered in addition to the standard unit tests. In order to enhance a student's meritocratic traits, subject teachers evaluate students' performance based on the outcomes of unit tests.

ii. Increased Self-Awareness: Student coaching helps individuals gain a better understanding of their strengths, weaknesses, and areas for growth. This self-awareness aids in setting realistic goals and developing effective action plans.

iii. Enhanced Goal Setting and Action Planning: Coaches guide students in setting clear, achievable goals and creating action plans to reach them. By breaking down larger objectives into smaller, manageable tasks, students can stay focused, organized, and motivated. Adjustments may involve modifying goal-setting techniques.

iv. Improved Time Management and Organization: Student coaches assist students in developing effective time management skills.

v. Enhanced Study Skills and Techniques: Coaches provide students with valuable study skills and techniques to improve their learning experience. These strategies may include note-taking methods, active reading techniques, and effective memorization approaches.

vi. Increased Confidence and Resilience: Through ongoing support and encouragement, student coaches help students to build confidence and resilience.

vii. Provision to provide additional facilities to the students: -

Extra resources like e-resources, journals, and text and reference books are available at the Central Library. With the use of practice sets of previous exam questions, this innovative coaching activity boosts test-taking confidence in university exams. Academic achievement is emphasized, and students are encouraged to participate in state and national conferences, seminars, and workshops. For the same reason, they read reference books, which helps them learn more about the subject and perform better on college exams.

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viii. Attention to solve the personal difficulties of the students:

Subject matter experts answer inquiries about their specific domains. Most bright students come from traditional, low-income, rural backgrounds. They receive financial aid in the form of paid books, reduced entry and exam fees, transportation expenses, etc. To assist them in overcoming obstacles in their academic and personal lives.

ix. Felicitation of meritorious students: -

Deserving pupils receive compliments from college executives during an annual occasion. The sponsored supplemental cash incentives are offered to the meritorious students as a means of encouraging them for their Success.

5) Evidence of success

- Raising the pass rate on university exams.
- Giving each pupil individualized attention enables them to get over obstacles, in their studies.
- Students' subject understanding improved when technical questions were answered.
- Their writing and studying abilities improved steadily over time.
- Students' perspectives are altered; they now view their challenges as opportunities.
- Unit wise assessments help students acquire time management skills and improve their correctness on the exam.
- As part of this extra coaching activity, students receive assistance in performing well on the exam through a separate presentation of the university exam paper.
- Student coaches can assist students in seeing these difficulties as chances for development and education. Students can strengthen their resilience and problem-solving abilities by thinking back on the challenges they have experienced and the methods they have used to overcome them.
- To keep becoming better, student coaches should evaluate their own work as well as take notes on the difficulties they face in coaching sessions. Student coaches are better able to identify areas for



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personal and professional improvement as a result of this self-reflection, which increases coaching efficacy.

• By placing, strong emphasis on assessment and ongoing development, student coaches can refine their tactics and give their pupils efficient assistance.

6) Problems encountered and resource required

- All the Students are undergoing coaching activity.
- Due to the constant practice of study students undergoing mental pressure.
- Some students are affected by health issues during rainy seasons.
- Some students travelling from distance to college, they don't have stamina to study entire day.
- Some students have difficulty in understanding concepts.
- Some students have low memory power.
- Some students are not good in writing.
- Proper Knowledge should be given to students about this coaching activity.
- They should not feel coaching activity as a burden. So Counseling session is must for each student.
- First of all, Students should mentally prepare for their coaching activity. They should be aware that coaching activity is only to improve their performance.
- Faculties handling Special coaching also should attend counseling session like how to handle a student with disturbed mind. Special coaching activity gives coaching to all the three category students like slow learners, intermediate and toppers.

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Geo tagged Photographs of A.R Engineering College

Clean and Green Campus

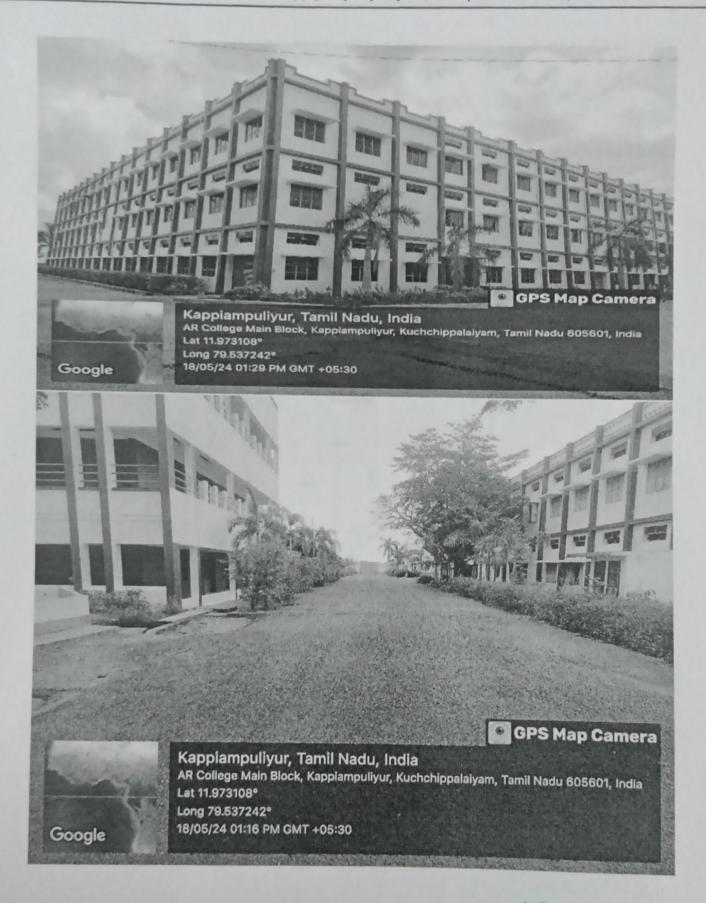








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THEERING COLLEGE

A.R ENGINEERING COLLEGE VILLUPURAM FIRST YEAR 2022-2023 ODD SEM COACHING EXAM ROUND I

			SECTION:	A			
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2	ROSHINI.K	AI&DS	83	75	81	82	82
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4	SURYA S	AI&DS	85	92	94	95	80
5	KAVIYA M	AI&DS	83	82	80	87	78
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7	KEMASRI.Y	AI&DS	72	66	70	52	69
8	SOWMIYA P	AI&DS	76	92	86	75	71
9	SUJITHRA M	AI&DS	62	81	71	60	73
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	GUGAN.N	AI&DS	80	AB	34	AB	AB
11	YOGESHWARAN J	AI&DS	82	62	70	58	82
12	YOGESWARI P	AI&DS	76	94	AB	64	85
13	IYYAPPAN S	CIVIL	78	84	73	26	80
14	NIVESH V	CIVIL	82	64	50	46	79
15	DURAIGURU R	EEE	78	67	43	90	80
16	PUNNIYANATHAN R	MECH	AB	31	4	8	AB
17	SANTHOSH	MECH	AB	23	30	12	76
18	SURIYA J	MECH	75	53	29	39	80
	UTHAYAKUMAR V	MECH	64	50	16	28	78
20	VEERAMANIKANDAN G	MECH	67	AB	42	27	78
21	VINOTH KUMAR.S	MECH	75	54	83	54	
TOTAL NO OF STUDENTS			21	21	21	21	84
NO OF ABSENT			2	2	1		21
NO OF PRESENT			19	19	20	1	2
TOTAL NO. STUDENTS PASSED			15	10	8	20	21
PASS PERCENTAGE			78.95	52.63	40.00	6	9
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Dr. P. DANING





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