

STEPS**I. Title of practice****Steps Towards Excellence in Performance of Students****II. Objectives :**

- a. To facilitate the students the habit of referring the books in their academic session
- b. To provide them the need to read areas in the subject
- c. To initiate the students to enhance their knowledge in the subject
- d. To improve their theoretical and comprehensive knowledge in their subject
- e. To sustain their improved performance throughout their academic year and make them to get a high score in the university examination.

III. The context :

Our velammal medical college, with a mission to impart medical education of high standard there by, producing compassionate, empathic socially responsible saviors, the best infrastructure with global standards, experienced senior faculties, skilled supportive staff, along with strong culture and values stay alive as it continuous to grow, nursing it to be an excellent medical education provider.

With their aim of not only to improve the excellence excellence in the performance of students, but also their attitude towards learning, this project STEPS is implemented in our institution.

IV. Steps in STEPS :

This Project has 3 constituents :

1. Before each theory class, the areas of importance and practical values are sent through the whatsapp group created with the particular batch of students. With the instruction to have a self learning practice.
2. On the day of the lecture class, the doubts from the students who have undergone the areas of importance and practical values shared on the previous day.
3. At the end of the class, students are informed that an online MCQ will be posted in – Google Quiz - around 10 Qs : Time 10 mts. The shared link for the test will be opened at 9.00 p.m. at closed at 9.11 p.m

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4. It is a self evaluation app at we can classify their responses depending upon our need.
5. At the end of the year, the top three best performances are selected & honoured with certificates and Prizes.
6. The final indicator in the success of this programme will be increase in the percentage of pass in university examination and increase no of PG Students selected for PG Courses through NEET & PG examination in the upcoming year.

V. PRACTICE :

The programme was implemented in an institution from the month of January 2023. STEMS team was constituted with one Teaching faculty Dr.Rajkishore Mahato as the Chief Coordinator, one assistant Mr.Thirukumaran as technical associate and one faculty from each department as a departmental coordinator. Faculty from all the departments were invited for a meeting and explained about the procedures involved in STEPS. The technical associate under the guidance of chief Co-ordinator is intended to carry out the protocols involved in this programme. The Technical associate has to

- ❖ 1) Collect the teaching schedule from all the departments for all the batch of MBBS Students.
- ❖ 2) create a whatsapp group for the individual batch of students with the help of departmental coordinators.

On the previous day of the theory class, the technical associate has to collect the important questions and concepts related to the subject and post them in the respective whatsapp group

This makes to students, to prepare and have an overall view them on the topic to the taken on the next day.

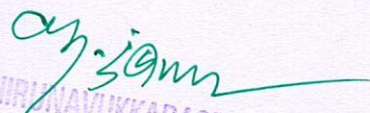
On the day of the lecture, the departmental co-ordinator / faculty presenting topic, has to furnish, 10 MCQ'S to the STEPS Chief Coordinator / Technical Associate. The clinical associate, will type the questions in the Google Quiz format , create a link and share it in the corresponding whatsapp group, along with the instructions, that the link will be opened at 9:00 p.m. sharply at Closed at 9:11p.m. and all the students are instructed the attend without fail. At 9:00 p.m. the google quiz link is opened so that the students, attend the MCQ Test online and submit them at 9:11p.m. This is done for all the subjects which theory classes are taken for a particular batch.


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The results of the test were analyzed on this basis of Attendance, match, % of correct answers and so on .

OUTCOME :

The Difference in the percentage of pass / marks in the University Examination in the year 2022 and 2023 are analyzed and the merits and challenges are discussed.


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II. INSTITUTIONAL BEST PRACTICES

OUR CAMPUS – CLEAN

GREEN

ECO KEEN

2012

Objective :

ECO KEEN

- To make our campus plastic free campus
- To promote alternate source of energy like solar panels to reduce the greenhouse gas emissions
- To grow plants and trees and maintain green environment which can act as a sink to about CO₂ from atmosphere – as a part of biological carbon cycle.
- To provide a clean and green environment for the patients, students, workers etc.,
- To inculcate the importance of clean green and ECO friendly environment among the staff, students and patients by involving them.

The college since the establishment in 2012, Velammal Medical College has been implementing best practices on maintaining

1. a clean environment by sanitation and hygiene projects, wastes management waste management
2. a green environment by developing a green dense horticultural and trees of the native soil and persistently maintaining the same with enough manpower,
3. a eco-keen environment by proper energy conservation strategies like. Solar panels to produce electricity and various bio-directly projects inside the campus.

STRATEGIES :

Our aim is to formulate and implement steps that can make velammal campus – Clean, Green, Eco Keen.

The following strategies have been devised implemented and is on the progress.

1. Maintenance of Green environment
2. Maintenance of clean environment
3. Water management
4. Waste management
5. Steps to reduce Green House gas emissions
6. Control of air pollution

To achieve and sustain our aim of 'our Campus Clean – GREEN – ECO KEEN', ENVIRONMENT CONSCIOUSNESS & BEST PRACTICES COMMITTEE has been constituted with Dr.S.B.Rana Rosabind HOD Dept of Psychiatry as chair person, Dr.Sri Andal, Associate Professor in SPM as Co-ordinator and members from faculty and students. The committee meets once in 3 months and discuss the issues related to environment safety and submit their recommendations which is adhered to

1) Maintenance of Green environment

From the time of our establishment, velammal medical college, is committed to maintain a green environment which not only gives pure air for the inhabitants but also play a vital role in reducing the green house gases like Co₂. The following steps are followed by our institution. At present we have 48% of Green belt in our campus and our aim is to make it at 60%. Exclusively 2 Supervisors and 8 gardeners are appointed to carry out new tree and horticulture plantations and maintenance of already existing plants.

1. Once in a month we are organizing greenery maintenance day by mass programme including more than 20 staffs, who will do Trimming, leave cutting and watering.
2. Fallen dry leaves are collected and treated along with food waste materials to produce natural fertilizers.
3. Water for watering the plants are sources from the secured treatment plant & RO Plant rejected water.
4. Biodiversity is strengthened to conserve habitation of local and migrating birds.

2) Maintenance of clean environment

Our campus is kept clean and garbage free for 24 x 7. To achieve this more than 285 workers are employed for hospital and college premises of which 35 workers are allotted for the keeping the roads, campus and outer premises clean. The signage board carrying the message 'OUR CAMPUS - CLEAN - GREEN – ECO KEEN' are kept at various places in the campus. All the workers are supervised by 18 supervisors and overall by a House Keeping head.

Monthly mass cleaning campaign are arranged and all the sanitary workers are involved in this mass cleaning programmed.

3) Water management

Water conservation :

We save water by minimizing wastage. In bathroom flushes we set the flush of 3 litres instead of 7 litres, So that wastage of water is reduced. The water distribution system is well maintained without any leaks by periodical maintenance. Bore well recharge system and Rain water harvesting system are incorporated in infrastructure of our institution.

Drinking water :

We have RO purification system which generates 2 Lakh litres of drinking water per day. The deficit below our need is supplied by a private water supplying agency 'SAPTHAGIRI'

The Reject water from the RO Plant are used for Dish washing and gardening.

Recycling :

We have sewage Treatment plant in our premises with Five permanent staff. Domesticated water waste are processed by fithation & Treatment with disinfechants in the sewage treatment plants and used for gardening and toilet uses (like for flush tanks.)

4) Waste management :


The solid wastes like kitchen wastes, garbages and garden waste like fallen dry leaves and sticks are drumped in pits and natural fertilizers are produced.

Plastic wastes are segregated and sent to private agencies where they are recycled. Biomedical wastes are disposed through RAMKE Biomedical waste company on contract basis.

5) Steps to reduce green house gas emissions :

We have eructed solar panels in the terrace of the college building with a capacity to produce 170 KW solar energy. We have also a solar energy system owned by our institution situated outside the campus with a capacity of 10,000 KW electricity production. This energy also utilized for our institution.

Appliances and instruments like airconditioners and refrigerators that are prone for emission of green house gases are minimized and those installed are of 5 star grade with low energy utilization and are properly serviced & maintained


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- Electrical appliances like tubes are of EFL types
- The institutional vehicles and departmental vehicles are serviced and maintained so as to reduce emission.

6) Control of air Pollution :

Burning of plant wastes or garbages are strictly prohibited within the campus. The wastes are properly treated to produce natural fertilizers. The development of green environment with lot of trees and plantation is a natural boost to prevent air pollution.