



UNIVERSITY OF MYSORE
Yuvaraja's College (Autonomous)
(A Constituent Autonomous College with Potential for
Excellence)(Accredited B⁺⁺ Grade by NAAC)
JLB Road, Mysuru 570 005, Karnataka, INDIA



UOM/YCM/2023-24

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AQAR 2023-2024

Link sheet:

Criteria No	7	Institutional Values and Best Practices
Key Indicator No (KI No)	7.2	Best Practices
Three best practices written as per the format along with geotagged photos		

Yuvaraja's College, Mysore, is a general degree college located at Mysore, Karnataka. It was established in the year 1928. It is one of the four constituent colleges of University of Mysore. This college offers different undergraduate and postgraduate courses in science. The Yuvaraja college focuses keenly on the holistic development of students and provides them with every opportunity and resource to facilitate their holistic development. This is one of the most distinctive features the college, whose details are given below in brief.

First Best Practice

Title of the Best Practice: The Pictorial Pedagogy

One of the best practices of the college is its focus on intellectually enriching practice of adorning its departmental spaces with portraits of luminaries across various disciplines, including Nobel laureates, scientists, poets, novelists, and other eminent personalities.

The Objectives: Such task aims

1. to inspire academic pursuits, commemorate groundbreaking contributions of eminent writers and scientists,
2. to foster an environment steeped in intellectual and cultural appreciation.

3. by aligning these portraits with the ethos of each department, the college underscores the significance of discipline-specific excellence while cultivating an enduring culture of inspiration and aspiration.

4. to provide a source of constant motivation, encouraging students to strive for similar heights of success. These curated displays enrich the intellectual environment, making it more conducive to scholarly engagement and exploration.

The Context

When new students enter the college and their respective departments, they come with the diverse thoughts, curiosity and pre-conceived ideas about science and humanities. They might have read about great scientists and Nobel laureates but could not have seen them to get motivation or inspiration. In order to inspire the students, pictorial gallery is designed so that they can see the portraits, learn their works and get motivation. Some students decide to stay with or quit the institute in the first week after admission. Some students do preparation for NEET examination and after selection they quit the institute. For such students, the departments have tried to retain them by such new and innovative ideas and settle down quickly in the new environment and give them a sense of belonging. This innovative pedagogy has been designed to attract the attention of the students and also to record the contributions of the predecessors.

The Practice:

For sighted people, pictures provide an important mechanism of communication; they are also a valuable learning resource. The college has this practice since long time. Introducing the students to the inspirers, the portrait pedagogy is essential for every institution. Because when new students enter an institution, they come with the diverse thoughts, curiosity, backgrounds and preparations. It is important to help them adjust to the new environment and inculcate in them the ethos of the institution with a sense of larger purpose and motivation. It proposes to make the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, reduce competition and making them work for excellence in the field of science and humanities.

Evidence of Success:

Many events like orientation, visit to respective departments, director's address, special lectures, interaction between teachers and students and discussions were scheduled.

The students were very happy with such programmes as they got to know about what departments are and how they look and what can be expected from them. They will obtain benefits from such pictorial venture in the career they are going to adopt.

During orientation programme, students became familiar with Dept./Branch and innovation mission, vision, goals of institute. At the same time, students understood their own role in achieving the goals of the institute. They became well oriented to entire institute environment and about disciplines of institution. It created bonding in the batch as well as between faculty and students.

In order to extract the meaning from an image, the students have tried to decode relevant information from it. This process of information/knowledge extraction can often be aided by the provision of ancillary material such as its title, a list of descriptive keywords and a textual narrative - all of which can be used to provide a context for the picture and also provide help in relation to understanding its meaning. The relationship between these image attributes, the picture itself and the pedagogy associated with a picture is illustrated schematically. The department pictures have achieved this goal meaningfully.

Problems Encountered and Resources Required

Institution needs administrative cooperation and encouragement to develop pictorial pedagogy seriously and professionally more. The administration should encourage it more though it is slightly on lower side right now.

This activity should follow-up sessions for students to find out how the students perceived their institution through such pedagogical practices. Concerns or problems can be addressed at this time. These follow up sessions can also be a platform for airing new ideas and suggestion.

Getting the guest speakers to give speeches or talks on these great luminaries is another problem that we are facing. This can be solved by keeping a reserve list of speakers and timely help from the administration.

Department of Biotechnology



Department of Molecular Biology



Department of English



Second Best Practice

Title: Forums for Expression and Learning

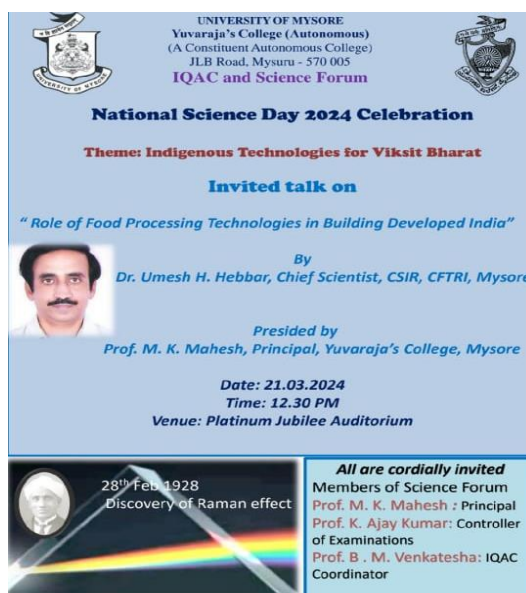
The objective of the practice:

In the name of *National Science Day* and *Earth Day*, the college organized lectures by experienced and eminent experts in the field. (see pic no. 9 and 10). *Jnanavahini* (transmitter of knowledge) is another forum in the college which takes initiatives

1. to promote and encourage non-academic talents of the students in the college.
2. To create awareness among students and society about their subjects and laboratories
3. This forum is instrumental in bringing forth the hidden talents of the students in several presentations, debates and discussions.
4. Needless to say, the college boasts of state-of-the-art infrastructure to conduct such programmes to expose the students to different and eminent personalities and their expertise.

The Context

The college mostly has students weak in getting higher and new ideas besides text books. They are from poor and difficult backgrounds. The students are used to spoon feeding with ideas; basic knowledge and rote learning and they are not used to express their views and opinion. Due to lack of expressing practice they are not able to speak or express answers to the questions in the examinations, appear for interview and have loss of confidence in their respective subjects. This practice of organising talks and presentations will help them know more about their subjects and interact with subject-experts. The students are exposed to new knowledge system in the college through such forums and platforms. One such example is the following:



The poster is for the National Science Day 2024 Celebration at Yuvaraja's College (Autonomous), a constituent autonomous college of the University of Mysore. The theme is 'Indigenous Technologies for Viksit Bharat'. It features an invited talk on 'Role of Food Processing Technologies in Building Developed India' by Dr. Umesh H. Hebbar, Chief Scientist at CSIR, CFTRI, Mysore. The event is presided by Prof. M. K. Mahesh, Principal of Yuvaraja's College, Mysore. The date is 21.03.2024, time is 12.30 PM, and the venue is Platinum Jubilee Auditorium. A small inset image shows a prism dispersing light into a spectrum, with the text '28th Feb. 1928 Discovery of Raman effect' and a portrait of Srinivasa Ramanujan.

UNIVERSITY OF MYSORE
Yuvaraja's College (Autonomous)
(A Constituent Autonomous College)
JLB Road, Mysuru - 570 005
IQAC and Science Forum

National Science Day 2024 Celebration
Theme: Indigenous Technologies for Viksit Bharat

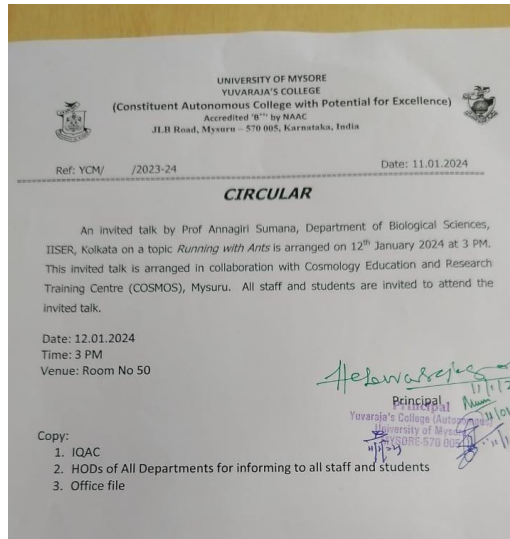
Invited talk on
"Role of Food Processing Technologies in Building Developed India"
By
Dr. Umesh H. Hebbar, Chief Scientist, CSIR, CFTRI, Mysore

Presided by
Prof. M. K. Mahesh, Principal, Yuvaraja's College, Mysore

Date: 21.03.2024
Time: 12.30 PM
Venue: Platinum Jubilee Auditorium

28th Feb. 1928
Discovery of Raman effect

All are cordially invited
Members of Science Forum
Prof. M. K. Mahesh : Principal
Prof. K. Ajay Kumar: Controller
of Examinations
Prof. B . M. Venkatesha: IQAC
Coordinator



A view of invitation of the lecture

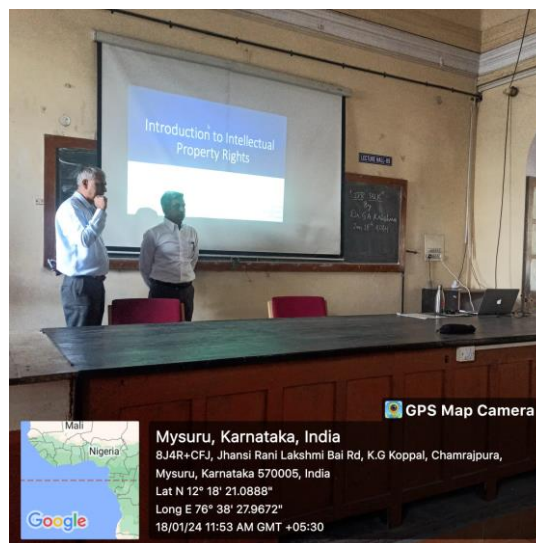


A glimpse of presentation by the speaker

University of Mysore, YUVARAJA'S COLLEGE (Autonomous)
Invited talk organized under IQAC by Science forum and Zoology Forum in
collaborations with COSMOS, Mysore
Date: 12.01.2024 : Resource person: Prof Sumana Annagiri
List of Students/faculty participated in the Program

Sl No	Name	B.Sc/M.Sc/faculty	Combination/Subject/dept	Signature
	Prof Sumana Annagiri	Faculty	DOB, IISER, Kolkata	<i>Sumana</i> 12/01/24
	Dr. Amoghavarsha	Scientist	COSMOS, Mysore	<i>Amogh</i> 12/01/24
1	Sampreeti Aradhya	Student	Molecular Biology	<i>Sampreeti</i> 12/1/24
2	Navya S	Student	Molecular Biology	<i>Navya</i> 12-1-24
3	Diana Mary Francis	Student	Molecular Biology	<i>Diana Mary</i> 12-1-24
4	Uttam G	Student	Molecular Biology	<i>Uttam</i> 12/01/2024
5	Ananya M.S	Student	Molecular Biology	<i>Ananya</i> 12/01/2024
6	Reerthi S	Student	Molecular Biology	<i>Reerthi</i> 12/01/2024
7	Jyothika K.M	Student	Molecular Biology	<i>Jyothika</i> 12/01/2024
8	Rakshitha M	Student	Molecular Biology	<i>Rakshitha</i> 12/01/2024
9	Vandana P.M	Student	Molecular Biology	<i>Vandana</i> 12/01/2024
10	Valshnavi S	Student	Molecular Biology	<i>Valshnavi</i> 12/01/2024
11	Sanjeev Kumar P	Student	Molecular Biology	<i>Sanjeev</i> 12/01/2024
12	MANOJ S	Student	Molecular Biology	<i>Manoj</i> 12/01/2024
13	VIVEK C	Student	Molecular Biology	<i>Vivek</i> 12/01/2024
14	SUMAN DEV	STUDENT	Molecular Biology	<i>Suman</i> 12/01/2024
15	Varunika S	Student	Molecular Biology	<i>Varunika</i> 12/01/2024
16	Anusha R	STUDENT	Molecular Biology	<i>Anusha</i> 12/01/2024
17	Anjali V	Student	Molecular Biology	<i>Anjali</i> 12/01/2024
18	Chaya S	STUDENT	Molecular Biology	<i>Chaya</i> 12/01/2024
19	Shruthi D.S	Research scholar	Dept. of Zoology	<i>Shruthi</i> 12/01/2024
20	Sri Karthik D	Student	Microbiology	<i>Karthik</i> 12/01/2024
21	Shreemay K.R.	Student	Biochemistry	<i>Shreemay</i> 12/01/24
22	Pradhyuman Acharya	Student	Zoology/Sciculture	<i>Pradhyuman</i> 12/01/24
23	Ambutha B	Student	molecular Biology	<i>Ambutha</i> 12/01/24
24	Chithra P	Student	molecular Biology	<i>Chithra</i> 12/01/24
25	Bhoomika V	Student	molecular Biology	<i>Bhoomika</i> 12/01/24
26	Jaya Akhwin D.S	Student	Zoology/Biochemistry	<i>Jaya</i> 12/01/24

A view of the attendance of the students in the above lecture



A view of another lecture in a class room

The Practice

The use of expertise of different and eminent scientist increases accessibility to learning resources and multiple learning approaches to meet the need of diverse learners. One method of using this approach is through presentations and organisation of talks (through Discussion forums) that provide both synchronous interactions that make it easier for students to learn the subject matter. It helps them to access threads of discussions, and possibly make contributions. Debates and discussions through such forums go beyond the classroom, bringing flexibility and convenience to teaching and learning. Students drive the learning process in forums, and more emphasis is placed on knowledge sharing than lesson notes. The college has a rich tradition of such practice and has invited tens of experts and scholars to address the teaching faculty and students.

Evidence of success

Apart from reaching out to general public, the Yuvaraja college has been focusing on a few select areas so that the impact of the forums and platforms could be easily evaluated and accessible.

- The enthusiastic support of the college for the existing methods of organising talks and presentations has been really motivating
- There has been a positive feedback from the students .

Problems encountered and Resources required

Such a task is not without problems. The college has suffered the problem of creating awareness in the students about the need to learn off-class many a times as all students do not take advantage of such talks or presentations. The college has to incorporate all by giving wide publicity within college and encourage them more to attend the programmes. Encouraging them to step out from their comfort zones to reach out to the experts apart from class room activities is another challenge that we have faced. This problem will have to be overcome. Students have the initial hesitation to stay back beyond college hours. The college has to take steps to avoid and pre-empt such hesitation on the part of the students. Continuous motivation is required as the students are capable of losing their confidence when things don't go in the expected way.

Third Best Practice

The Title: Promoting Sustainable Mobility: Bicycles and E-Bikes on Yuvaraja's College Campus

The Objectives

Implementing the use of bicycles and e-bikes with strategically placed charging stations on the Yuvaraja's College campus would exemplify best practices for promoting sustainability and environmental responsibility.

1. Bicycles offer a cost-effective, healthy, and zero-emission mode of transportation, inspiring students and staff to adopt eco-friendly habits.
2. Integrating e-bikes, supported by convenient charging points, enhances accessibility and mobility, catering to those who prefer a more energy-efficient and effortless option.
3. This initiative would significantly reduce the campus's carbon footprint, mitigate parking shortages, and ease traffic congestion.
4. Moreover, it aligns with global climate action goals, fostering a culture of environmental awareness within the college community.

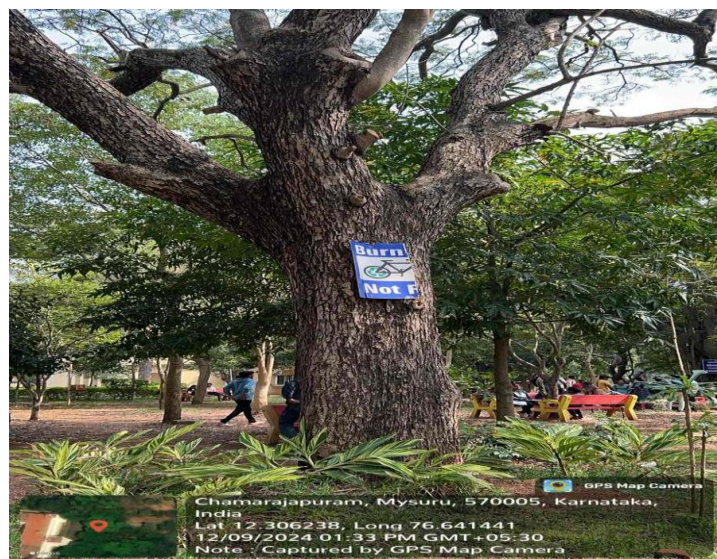
The Context

The college has about 200 employees and 3000 students with mobility needs of arriving to the college from outside the campus as well as reaching their respective departmental buildings and being able to visit other places in the campus as required. Prior to implementation of the green mobility campus, the ever increasing number of motor vehicles and two vehicles in the college was posing a grave problem of vehicular noise, air pollution and increasing concretization of spaces for parking. Examining the problems arising from plying of motorized vehicles on campus, the leadership in consultation with an expert group prepared a blueprint for introducing a paradigm shift towards green mobility in the next few years time. Accordingly a number of path breaking initiatives were launched that have been instrumental in reducing vehicular influx on campus and creating mobility sans all its damaging impacts. Truly the campus has emerged as a model of green mobility that can be replicated in other institutions across the country.

The Practice

In the last five years, prioritising and promoting pedestrian behaviours in the campus, the college has created a network of footpaths and walkways throughout the campus. Besides the footpaths that form a part of the road right of way, direct route walkways are strategically constructed to encourage pedestrian mobility over vehicular use. Resultantly pedestrian movement has increased substantially with students, staff members and even visitors resorting to walk and experience the pleasant serene environs rather than using motorized vehicles.

Encouraging boards to the Use of Bicycles





Bicycles parked at the parking lot in the college campus



Students are encouraged to use bicycles

‘Trin-Trin’ is a programme launched by the Mysore City Corporation, where registered members can take the bicycles parked in the ‘Trin-Trin’ stand after swiping the card provided to them and use inside the city limits, after their use it can be parked in any nearby ‘Trin-Trin’ stand. On request from the college a ‘Trin-Trin’ stand is provided near our college compound and our students are using the facility to the maximum extent.



Photo showing 'Trin-Trin' stand

Use of Battery Powered Vehicles:

The students in the campus as well as in the hostels are using bicycles to use as a mode of transport within the campus to make campus pollution free. It is eco friendly and prevents pollution. Students and staff are encouraged to use e-vehicles so that the noise levels in the campus are kept to the minimum due to the noise less battery-operated vehicles and the college provides e-charging station free of cost.

e-vehicles parked in the parking lot and staffs and students are encouraged to use Ev's.



The college provides e-charging station free of cost



Evidence of success

The Yuvaraja college has become one of the first in the country to take such radical decisions for reducing carbon emissions through the implementation of green mobility initiatives.

Drastic reduction of vehicular traffic within the college is a direct result of this initiative as more and more resident population has shifted to pedestrian, cycling and e-bus modes. Favourable infrastructure and awareness campaigns have led to change of user behaviours in favour of non motorised and eco-friendly transport. The college roads remain clean, dustless, noiseless and odourless because of less plying of vehicles post introduction of green mobility measures. The initiative has helped promote a sense of pride, belonging and identity to the campus population who have embraced the initiatives in a big way thus supporting the college.

Problems encountered and resources required.

The college has taken a lot of time and effort to construct infrastructures and implement such measures. It also faced some roadblocks at an initial stage wherein the local city students were resisting the application of personal vehicle mobility and parking restrictions. However with competent intervention of the college, the students were convinced of its benefits and briefed of their and the college's collective responsibility to reduce the carbon footprint.
