



## **Annual Quality Assurance Report (AQAR) of the IQAC-2023-24**

**Name of the College:** Yuvaraja's College (Autonomous)

**Name of the Affiliating University:** University of Mysore

**Year of Report:** 2023-24

Internal Quality Assurance cell (IQAC) in the college is established on 20-Sep-2012 with a vision to streamline the quality initiatives of the institution. The IQAC of the institution is a vibrant body and is constituted as per the norms of NAAC. It has representation from most of the departments and has an amalgam of senior and junior teachers. The principal task of IQAC is to promote the quality of the college's activities. The IQAC aims to assist the college in assuring the quality of its programmes in the three cycles of higher education Bachelor's, Master's and Doctoral Degrees). The college has a Quality Assurance framework that enunciates the processes and procedures for Quality Assurance and enhancement. At the core of the framework is an emphasis on students and their learning.

### **Vision and Mission:**

The IQAC mainly focuses on realizing the Vision and Mission of the institution. One of the visions of the college is to thrive as a centre of intellectual activities – both learning and research. The IQAC supports the administration in inspiring the students to nurture ingenuity and scientific temper and in encouraging them to take up research projects in organizations like JNCASR, IMS, IAS, CFTRI and CSRTI, to participate and present papers, posters in national and international fora. In accentuating the importance of research in the field of higher education the college administration with the help of IQAC encourages the faculty to organize interactions and workshops by researchers of eminence and also fosters and promotes student participation in NSS, NCC and other social work to stimulate social consciousness among students. Social justice as a value in the learning process and administrative interactions is also promoted. The IQAC also facilitates the creation of learner centric environment by adopting the required knowledge and technology for participatory teaching and learning process.

IQAC organizes periodical discussions with faculty to collate the data pertaining to various activities of the departments and encourages them to involve in quality teaching and research activities. IQAC explores avenues to enhance faculty effectiveness through restructuring the syllabi periodically, collecting feedback from students, stakeholders and parents related to teaching-learning process. It also encourages faculty to participate in International and National Seminars/Conferences/Workshops etc, to submit research articles to undertake projects, organize National/International Conferences and to adopt progressive teaching and evaluation strategies

# Composition of IQAC:



ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ  
ಯುವರಾಜ ಕಾಲೇಜು

(ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಸಾಮಾನ್ಯವರ್ಗದ ಅಧ್ಯಯನ ಪ್ರಾಂಶುಪಾಲಕ ಕಾಲೇಜು)  
(ಬ್ಯಾಚ್‌ನಿಂದ ಶಿಕ್ಷಣದ 3.34 ರಿಂದ 'ಎ' ವರ್ಗದ ಮಟ್ಟಕ್ಕೆ ಏರ್ಪಡಿಸಿದೆ)  
ಕೆ.ಎಲ್.ಜಿ. ರಸ್ತೆ, ಮೈಸೂರು-570 005, ಕರ್ನಾಟಕ, ಭಾರತ

University of Mysore  
YUVARAJA'S COLLEGE

(Constituent Autonomous College with Potential for Excellence)  
(Accredited 'A' Grade with CGPA 3.34 by NAAC)  
JLB Road, Mysuru 570 005, Karnataka, India



Ref : UOM/YCM/ET-1/ /2023-2024  
1217-1218

Date : 02-12-2023

## ಕಛೇರಿ ಆದೇಶ

ವಿಷಯ: "IQAC" ಗೆ ಸಂಯೋಜಕರನ್ನು ನೇಮಿಸುವ ಬಗ್ಗೆ.  
ಉಲ್ಲೇಖ: ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆ ದಿನಾಂಕ:01-12-2023

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ಯುಕಾಮೈ/ಇಟಿ-1/2023-24 ದಿನಾಂಕ: 01-12-2023

ಮಾನ್ಯ ಕುಲಪತಿಗಳು ಹಾಗೂ ಕಾಲೇಜಿನ ಆಡಳಿತಮಂಡಳಿ ಅಧ್ಯಕ್ಷರು ಇವರ ಅನುಮೋದನೆಯನ್ವಯ ಕಾಲೇಜಿನ "IQAC" ಗೆ ಸಂಯೋಜಕರಾಗಿ ಕರ್ತವ್ಯ ನಿರ್ವಹಿಸುತ್ತಿರುವ ಪ್ರೊ. ಎನ್.ಎಸ್. ದೇವಕಿ, ಪ್ರಾಧ್ಯಾಪಕರು ರವರು "IQAC" ಸಂಯೋಜಕ ಪುದ್ಗೆಗೆ ದಿನಾಂಕ: 28-11-2023 ರಂದು ರಾಜೀನಾಮೆಯನ್ನು ಸಲ್ಲಿಸಿದ್ದು, ಈ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಕಾಲೇಜಿನ ಹಿರಿಯ ಪ್ರಾಧ್ಯಾಪಕರಾದ ಪ್ರೊ. ಬಿ.ಎಂ. ವೆಂಕಟೇಶ್, ಪ್ರಾಧ್ಯಾಪಕರು, ರಸಾಯನ ಶಾಸ್ತ್ರ ವಿಭಾಗ ರವರನ್ನು "IQAC" ಸಂಯೋಜಕರಾಗಿ ದಿನಾಂಕ: 01-12-2023 ರಿಂದ ಅನ್ವಯವಾಗುವಂತೆ ನೇಮಿಸಿ ಆದೇಶಿಸಲಾಗಿದೆ. ಇವರು ಪ್ರಾಂಶುಪಾಲರಲ್ಲಿ "IQAC" ಸಂಯೋಜಕರಾಗಿ ಕರ್ತವ್ಯಕ್ಕೆ ವರದಿ ಮಾಡಿಕೊಳ್ಳುವಂತೆ ತಿಳಿಸಿದೆ. ಪ್ರೊ. ಬಿ.ಎಂ. ವೆಂಕಟೇಶ್, ಪ್ರಾಧ್ಯಾಪಕರು, ರಸಾಯನ ಶಾಸ್ತ್ರ ವಿಭಾಗ ರವರು ಕಾಲೇಜಿನ ಶಿಕ್ಷಣ ಮಂಡಳಿ ಸದಸ್ಯರಾಗಿರುತ್ತಾರೆ.

*[Signature]*  
ಪ್ರಾಂಶುಪಾಲರು  
02/12/23

ಗೆ.

1. ಪ್ರೊ. ಬಿ.ಎಂ. ವೆಂಕಟೇಶ್, ಪ್ರಾಧ್ಯಾಪಕರು, ರಸಾಯನ ಶಾಸ್ತ್ರ ವಿಭಾಗ, ಯುವರಾಜ ಕಾಲೇಜು, ಮೈಸೂರು
2. ಪ್ರೊ. ಎನ್.ಎಸ್. ದೇವಕಿ, ಪ್ರಾಧ್ಯಾಪಕರು ನೀವು ಪ್ರೊ. ಬಿ.ಎಂ. ವೆಂಕಟೇಶ್, ಪ್ರಾಧ್ಯಾಪಕರು ರವರಿಗೆ "IQAC"ಗೆ ಸಂಬಂಧಿಸಿದ ಕಾರ್ಯಭಾರವನ್ನು ನೀಡುವಂತೆ ಸೂಚಿಸಿದೆ
3. ಮಾನ್ಯ ಕುಲಪತಿಗಳು ಹಾಗೂ ಕಾಲೇಜಿನ ಆಡಳಿತಮಂಡಳಿ ಅಧ್ಯಕ್ಷರು ರವರಿಗೆ ಗೌರವ ಪೂರ್ವಕವಾಗಿ ಗಮನಕ್ಕೆ ತರಲಾಗಿದೆ.
4. ಮಾನ್ಯ ಕುಲಸಚಿವರು, ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಮೈಸೂರು.
5. ಆಡಳಿತಾಧಿಕಾರಿಗಳು, ಯುವರಾಜ ಕಾಲೇಜು, ಮೈಸೂರು
6. ಪರೀಕ್ಷಾ ನಿಯಂತ್ರಣಾಧಿಕಾರಿಗಳು, ಯುವರಾಜ ಕಾಲೇಜು, ಮೈಸೂರು
7. ಅಧೀಕ್ಷಕರುಗಳು (ಸಾಮಾನ್ಯ/ಲೆಕ್ಕಪತ್ರ), ಯುವರಾಜ ಕಾಲೇಜು, ಮೈಸೂರು
8. ನಗದು ಗುಮಾಸ್ತರು, ಯುವರಾಜ ಕಾಲೇಜು, ಮೈಸೂರು
9. ಕಛೇರಿ ಪ್ರತಿ



The tenure of the committee is for two years from the date of constitution (12-10-2022 to 11-10-2024)



**UNIVERSITY OF MYSORE**  
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**In pursuant to the approval from Honorable Vice Chancellor, University of Mysore, the Internal Quality Assurance Cell is constituted**


Sl. No.	Name	Phone Number	E-mail Id
1.	Prof. B. N. Yashodha Principal	9886958678	principal@ycm.uni-mysore.ac.in
2.	Prof. H Somashekarappa Administrative Officer	9449130134	drhssappa@gmail.com
3.	Prof. K.B Umesha Controller of Examinations	9480477620	Kbu68umesha@gmail.com
4.	Mr. T. Sadashivaiah Associate Professor	9448945507	sadashivaiah69@gmail.com
5.	Prof. Rohith L. Shankar	9611322755	rohithlsycm@gmail.com
6.	Dr. H. Annapurna Associate Professor	9449138820	annapurnah2015@gmail.com
7.	Prof. R. Shekar Naik	9902238390	rsnaik1967@gmail.com
8.	Dr. K. A Sharvani Associate Professor	9845885896	sharvanipy@gmail.com
9.	Prof. C. Sumangala	9844829733	sumal064@gmail.com
10.	Mrs. Aiysha Firdouse Assistant Professor	9945518780	aiysha2010@gmail.com
11.	Prof. M. Prathibha	9449413122	prathibhajayaramu@gmail.com
12.	Dr. M.N. Kumar Associate Professor	9480381056	kumaramanikya73@gmail.com
13.	Dr. D. Rekha Associate Professor	9448504049	vasantharekha6@gmail.com
14.	Prof. N. S. Harinarayana Director, IQAC University of Mysore	9741533380	ns.harinarayana@gmail.com
15.	Prof. K.A. Raveesha Dean, Faculty of Life Sciences JSS Academy of Higher Education and Research	9845481329	raveeshaka@jssuni.edu.in



16.	Prof. C. Raju Indian Institute of Management Kozhikode IIMK Campus P. O Kozhikode, Kerala, India	9448064504	craju@iimk.ac.in
17.	Prof. K.S. Suresh Chief Executive JSS Law College, Mysore	9686677266	suresh@jsslawcollege.in
18.	Dr. S. Anudeep Dhriti Biosolutions	9480932475	anudeep@dhritibiosolutions .com
19.	Dr. Gurupadaswamy Application Scientist Merck Group, Bangalore	8660431842	
20.	Smt. Venkatalakshmi Superintendent General	8867424669	
21.	Sri. Mahesha Superintendent Accounts	9242920108	
22.	Prof. H.S. Jayanth Co-coordinator	845137591	jayanth_s@yahoo.com
23.	Prof. N.S. Devaki Coordinator	9448933006	devakineerkaje@gmail.com

**Student members:**

1.	Yahwanth: M.Sc.	9035617515	Yashwanthmy67@gmail.com
2.	Skandan I.D: B.Sc.	8550856556	skandan.n.kashyap@gmail.com
3.	Srinidhi B.S : B.Sc.	9353431278	shrinidhibs@gmail.com
4.	Nithya Aradhya: BCA	9481833844	nithyaaradhya32@gmail.com
5.	Gowrav Gowda: BBA	7204338060	gowrav26gowda@gmail.com
6.	Sukesh S : MBA	9742007446	sukeshvikky08@gmail.com

  
**Principal** 12/10/22  
 Yuvaraja's College (Autonomous)  
 University of Mysore  
 MYSORE-570 005



Under the aegis of IQAC, Orientation programme for fresher's was conducted at the beginning of the academic year when students were made aware of various student support services available. Students wing IQAC and students representation in various committees was initiated. The major committees involved in student support activities like Grievance redressal Committee, Disciplinary Committee, Anti-Ragging Committee, Career Guidance and Placement Cell, Examination Reforms Committee, Library and Reading room Committee, Yuvachinthaana Committee, Women Empowerment Committee, and Sports Committee are represented in IQAC. They play active role in creating awareness among the students about the support services available for overseas students, physically challenged/differently-abled students, SC/ST/OBC and economically weaker sections, students to participate in various competitions/conferences in India and abroad, health issues, skill development, performance enhancement for slow learners.

The IQAC of the college also maintains institutional database, analyzes feedback from various offline and online sources. IQAC prepares and submits Annual Quality Assurance Report as per the guidelines and parameters of NAAC and also creates awareness among the teaching and non-teaching staff on the benefits and need for accreditation by various external bodies.

### **Section A**

**Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet if required):**

<b>Sl. No</b>	<b>Plan of Action</b>	<b>Achievements/Outcomes</b>
1	a. NAAC 4 <sup>th</sup> cycle, NAAC peer team visit during the year 2023-24 b. Submission of AQAR for the year 2022-23	(a) NAAC peer team visited on 30th and 31st October 2023  (b) Prepared and Submitted the AQAR successfully
2	Introducing New courses	All the Degree courses are introduced with NEP including 5 year integrated M.Sc in Molecular Biology and implementation of 3rd year of NEP during the year 2023-24
3	Awareness programmes	World Environment Day 2023 held on 5th June 2023 with the focus on "SOLUTION TO PLASTIC POLLUTION".
4	Orientation programme	Conducted two days orientation programme by IQAC for UG students held on 6th and 7th of October 2023.
5	Workshop by IQAC and YCM Alumni Association	Conducted a workshop on 02-02-2024 for bunch of opportunities through GATE examination.
6	The Seminar on invited lecture was organised in association with Cosmology Education and Research Training Centre (COSMOS) Mysuru, Indian Institute of Astrophysics & Yuvaraja's College (Autonomous), IQAC and Science Forum	Conducted invited talk held by Science Forum and IQAC on 12.02.2024 on Running with Ants.
7	Feedback from Teachers, Students, Employee and Employer	Online feedback initiated from students on syllabus and learning and various facilities obtained Online feedback from Students and Teachers are taken.

8	Enrichment of Curriculum for better teaching-learning outcomes	NEP was adopted successfully in the year 2021-22 and is continued for 2022-23 and 2023-24 to cope the emerging trends. Collaborations and MoU's were established with other institutes for internship and project work. Study tours, field-visits, industrial visits were organized by many departments for experiential learning. Class rooms are ICT enabled. Mentoring system was well established and running effectively. Qualified faculty recruited Several special lectures have been organized by the College benefitting the vast sections of society.
9	Transparent Functioning	Transparent administration of admissions, evaluation, assessments are in place. The need for transparency coupled with ease of access to all stakeholders prompted the college to invest in a software system to handle the academic requirements like attendance, continuous assessment, examinations, feedback etc. Web committee was established to look after the web management and thereby increasing transparency.
10	Strengthen academic research and extension activities	Grants were received from MLC fund for purchase of computers to MBA students
11	Infrastructure and learning resources	Indoor stadium is maintained to enhance indoor sports activities. Well maintained Women's hostel to accommodate more students. New class rooms were constructed using RUSA funds to facilitate smooth functioning of classes New books were added to Library, Digital library is integrated University of Mysore with all the necessary modules. College is enabled with wi-fi facility (100mbps,leaseline).
12	ICT and Professional Etiquettes for non teaching staff	Workshop for non- teaching staff had been organized by Alumni Association from 7-6-2023 to 9-6-2023 on File management, accounts management, ICT and Professional
13	Workshop on data analytical	Workshop on Data Analytics Using Microsoft Excel and JAMOVİ"
14	Research activities	Total Journals: 33 numbers

## **Section B**

**Details in respect of the following:**

### **1. Activities reflecting the goals and objectives of the college**

#### **Strategic Plan:**

According to the requirements of the students and staff following major areas are covered in strategic/prospective plan

- Introduce skill development and orientation programmes with the help of CPDPS, University of Mysore.
- To encourage the students to participate in co-curricular/ extracurricular activities- the students are identified in the beginning of the year through talent search and then selected students are trained and sent to participate in different university level, state level, national level and international level events.
- Extension activities were carried out through NSS
- More students from the socially deprived society were admitted with nominal fee, scholarships etc.
- To encourage the Faculty for Paper publishing in UGC approved national and international journals, participate in seminar/ workshops. Publishing



**Perspective plan:**

According to the necessities of the students/ staff and as to the requirements of the institute and the society following major areas are covered in the plan

1. Academics
2. Co-curricular activities
3. Administration
4. Research
5. Hostel/Infrastructure
6. Placement activity – Through Placement cell
7. Social Responsibility – programmes are executed through NSS and NCC wing of the college
9. Feedback from stakeholders
10. Financial planning and support – through Planning and Evaluation Committee and College council

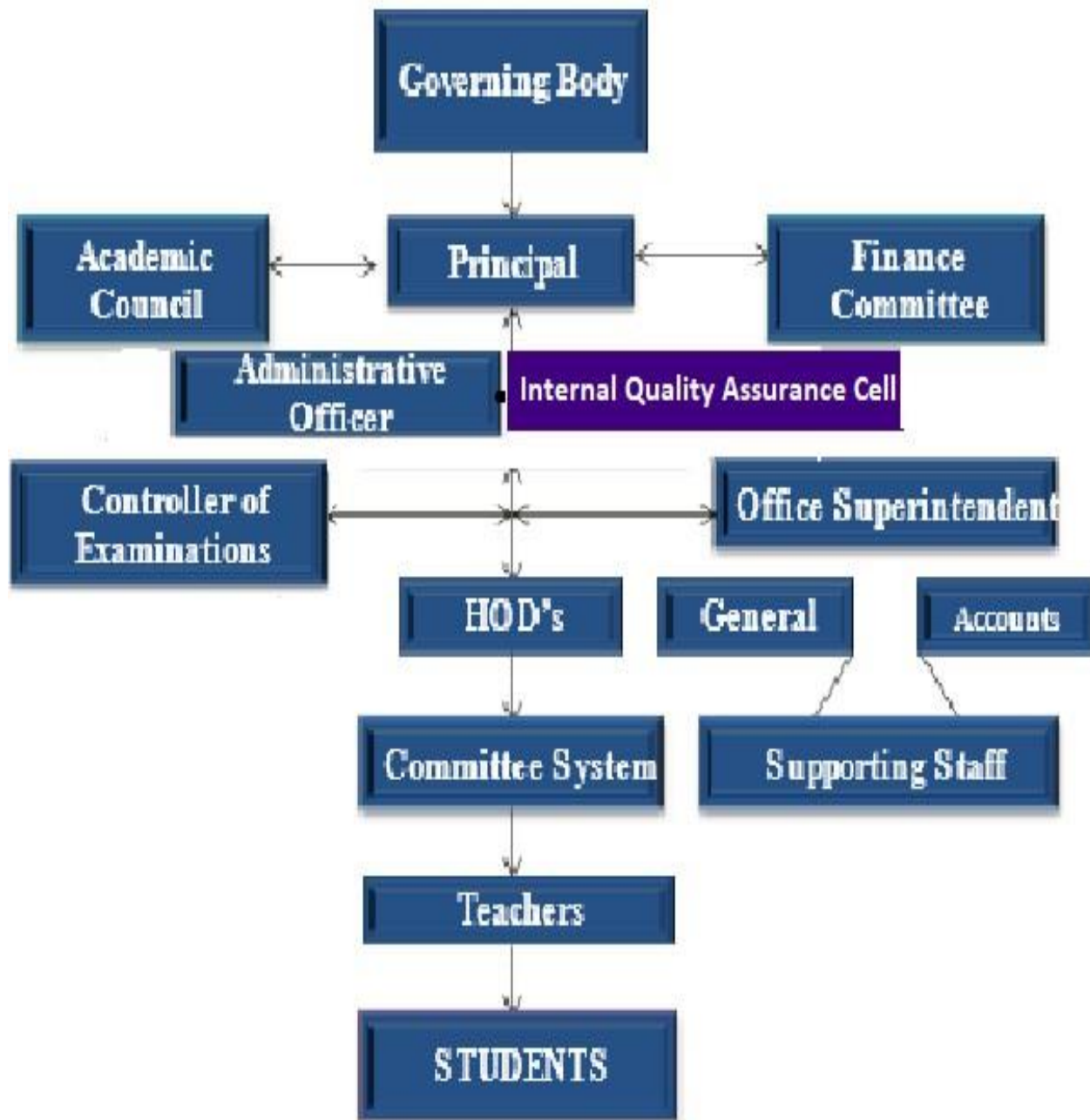
**Effective leadership is reflected in various institutional practices such as decentralization and participative management:**

Yuvaraja's College being an autonomous college is endowed with academic autonomy, as a means of decentralization of academic activities of the college, various Boards of Studies and Boards of Examiners are constituted. There is the Academic Council too which exercises the prerogative to approve the academic initiatives of the college. These boards which are composed of internal as well as external teaching faculty are vested with the power to frame innovative syllabi for the courses and also monitor and supervise the academic activities of the college including activities related to examination and evaluation. Thus the teachers who proactively participate in all deliberations are an integral and crucial part of the decision-making process of the college. Further each department has a Head who oversees the administrative activities of the department assigned. There are also the participative functions of the college carried out by the College Council and Department Councils.

The administration of the College has adopted a participative and decentralized way of functioning under which day to day governance is administered through Committee based decisions. Representation of teachers, non-teaching staff and students have been made in different committees to provide necessary inputs so that the decisions and/or recommendations are formulated. Deliberations and decisions taken in meetings are translated into concrete action. Periodical meetings of various committees constituted for the smooth and effective functioning of the college are held and action plans are chalked out for governance of the college activities. The recommendations and reports of these specialized internal committees were subsequently

considered and monitored by the college authority and College Council for further implementation. Such steps gave clear goals and mission to the stake holders and they also initiate and promote a positive culture among the faculty members. This has indeed resulted in innovative and progressive enhancement in the college Governance.

## Internal Organization and Structure



For the smooth-running of the various activities of the college the following committees are formed which include the teaching staff, nonteaching staff, students and stakeholders.

## LIST OF VARIOUS COMMITTEES CONSTITUTED FOR THE ACADEMIC YEAR 2023-24



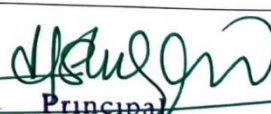
University of Mysore  
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### LIST OF VARIOUS COMMITTEES CONSTITUTED FOR THE ACADEMIC YEAR 2023-2024

GOVERNING BODY		
1.	Prof. N. K. Loknath Vice Chancellor, University of Mysore Mysuru -570 005	Chairman
2.	Smt. V. R. Shylaja Registrar, University of Mysore, Mysuru- 570 005	Member
3.	Prof. M. K. Mahesh Administrative Officer Yuvaraja's College, Mysuru	Member
4.	Prof. K. Ajay Kumar Professor, Department of Chemistry Yuvaraja's College, Mysuru	Member
5.	Prof. S.B. Appaji Gowda Director, Department of Collegiate Education Govt. of Karnataka, Bangaluru	Member
6.	Prof. M. L. Ashoka Professor, DoS in Commerce, Manasagangotri, Mysuru	Member
7.	Nomination by the UGC	Member
8.	Prof. H. Somashekarappa Principal, Yuvaraja's College University of Mysore, Mysuru -570 005	Ex-Officio Member Secretary


FINANCE COMMITTEE		
1.	Prof. H. Somashekarappa Yuvaraja's College, Mysuru	Chairman
2.	Dr. K.S. Rekha Finance Officer, University of Mysore, Mysuru	Member
3.	Prof. N. Nagaraj DoS in Commerce Department Manasagangotri, Mysuru	Member
4.	Prof. K. Ajay Kumar Department of Chemistry, Yuvaraja's College Mysuru	Member

  
 Principal  
 Yuvaraja's College (Autonomous)  
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## ACADEMIC COUNCIL

Sl No	Name of the Member	Name of the Department
1	Prof. H. Somashekarappa	Chairman and Principal, YCM
2	Prof. M.K. Mahesh	Administrative Officer, YCM
3	Prof. K. Ajay Kumar	Controller of Examinations, YCM
4	Prof. B. M. Venkatesh	IQAC, Coordinator
<b>Heads of the Departments</b>		
5	Prof. H. S. Jayanth	Department of Microbiology
6	Sri G. Krishnamurthy	Department of Biotechnology
7	Prof. N. S. Devaki	Department of Molecular Biology
8	Sri. T. Sadashivaiah	Department of Electronics
9	Prof. H. B. Mahesha	Department of Sericulture
10	Prof. K. Yashoda Nanjappa	Department of English
11	Prof. G. Srinivasa	Department of Kannada
12	Prof. J. Rajesha	Department of Biochemistry
13	Prof. S. Suresh	Department of Geology
14	Prof. T. Chandraiah	Department of Computer Science
15	Prof. R. Shekhara Naik	Department of Food Science and Nutrition
16	Prof. S. Suresha	Department of Environmental Science
17	Prof. C. Sumangala	Department of Management Science
18	Prof. K. Krishna	Department of Botany
19	Sri C. Nagesh Babu	Department of Physics
20	Prof. M. Prathiba	Department of Zoology
21	Prof. H.P. Jayadevappa	Department of Chemistry
22	Prof. M. Ruby Salestina	Department of Mathematics
23	Dr. Bhat Sathish Shankar	Department of Statistics
24	Prof. B. M. Venkatesh	IQAC Co-ordinator
<b>Nominee from Teaching Staff</b>		
25	Prof. K. Ajay Kumar	Department of Chemistry
26	Prof. R. Vidya	Department of Statistics
27	Prof. Bibi Ahmadi Khatoon	Department of Chemistry
28	Smt. H. Annapoorna	Department of Computer Science
<b>Nominees from Teaching Staff</b>		
29	Prof. K.A. Raveesha	Dean Faculty of Life Science, J.S.S. Academy of Higher Education & Research, Mysuru
30	Dr. Raghu Kumar T.	A.M.O., Community Health Center, Jayanagara, Mysuru
31	Dr. M.V. R. K. Sharma	Senior Scientist, Microbiology & Fermentation Technology Dept, CSRI - CFTRI, Mysuru
32		<b>University Nominee</b>
33	Prof. Ramesh	DOS in Law, Manasagangotri, Mysuru
34	Prof. K.N. Mohan	DOS in Chemistry, Manasagangotri, Mysuru
35	Prof. Ravikumar	DOS in Physics, Manasagangotri, Mysuru
<b>Member Secretary</b>		
36	Prof. J. S. Ashadevi	Department of Zoology

  
**Principal**  
 Yuvaraja's College (Autonomous)  
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 MYSORE 570 005

## INTERNAL QUALITY ASSURANCE CELL

Sl. No	Name	Department
1	Prof. H. Somashekarappa	Principal
2	Prof. M.K. Mahesh	Administrative Officer
3	Prof. K. Ajay Kumar	Controller of Examinations
4	Prof. B. M. Venkatesh	IQAC, Coordinator
5	Mr. T. Sadashivaiah	Department of Electronics
6	Prof. B. M. Venkatesh	IQAC Co-ordinator
7	Prof. Rohith L. Shankar	Department of Sericulture
8	Dr. H. Annapurna	Department of Computer Science
9	Prof. R. Shekara Naik	Department of Food Science
10	Prof. K. A Sharvani	Department of Botany
11	Prof. C. Sumangala	Department of Management Science
12	Prof. Ruby Salestina	Department of Mathematics
13	Prof. M. Prathibha	Department of Zoology
14	Prof. P.G. Chandrashekar	Department of Chemistry
15	Prof. M.P. Rekha.	Department of Kannada
16	Prof. N. S. Harinarayana	Director, IQAC, UOM
17	Prof. K. A. Raveesha	Dean, Faculty of Life Science, JSS Academy of Higher Education and Research
18	Prof. C. Raju	Indian Institute of Management Kozhikode, IIMK Campus P.O Kozhikode, Kerala, India
19	Prof. K. S. Suresh	Chief Executive, JSS Law College, Mysuru
20	Dr. S. Anudeep	Dhriti Biosolutions
21	Dr. Gurupadaswamy	Application Scientist Merck Group, Bangluru
22	Prof. S. Suresh	Department of Environmental Science
23	Prof. N. S. Devaki	Department of Molecular Biology
24	Sri. S. Mahadevappa	Superindent (General)



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3.	Prof. M. Ruby Salestina Dept. of Mathematics.	Member	M.No: 9986760070 ruby.salestina@gmail.com
4.	Prof. M .K. Mahesh Dept. of Botany.	Member	9845618769 mkmahesh44@yahoo.com
5.	Chairperson Karnataka State Women's Commission, Bengaluru	Member	9663444006 080-22216485 kscwbang123@gmail.com
6.	Joint Director, Social Welfare Department, Mysore District	Member	9480873041 0821-2344661
7.	Dr. Swarnamala Sirsi Women Activist Samatha Vedike	Member	9480057480 ssirsi@uomphysics.net
8.	Prof. C. Sumangala HOD, Dept. of MBA	Member	98448-29733 Suma1064@gmail.com
9.	Smt. B. Sumathi Non Teaching Staff	Member	9591955429 sumathipra- shanth80@gmail.com
10.	Smt. C. S. Monisha Non Teaching Staff	Member	9740248112 monishashri- manth04@gmail.com

  
**Principal**  
 Yuvaraja's College (Autonomous)  
 University of Mysore  
 MYSORE 570 005  
 23/09/2021



### **The institution assesses students' learning levels and organises special programmes for both slow and advanced learners:**

In accordance with the regulations of the autonomous college, it is mandatory to evaluate the learning levels of the students periodically. All the departments of the college are engaged in the continuous assessment of the performance of students through the duration of the course. Based on the level of performance of students, tutorials are provided to individual students. Students are provided comprehensive textbook cum work books by some departments to assist in their learning process, to ensure that they remain engaged and motivated and also to facilitate constant learning and skill acquisition.

### **Industrial visits/National laboratory visits/Field visits:**

To extend value added learning methods to students, Department of Geology, Department of Molecular biology, Department of Botany and Department of Environmental Science take them to fields visit/visits to laboratories and industries which provide real life learning opportunities and practical hands-on learning for a better perception and understanding of their subjects of study.

### **Project works:**

The following departments have made projects compulsory as their curriculum to their students -Department of Geology, Department of Molecular biology, Department of Botany, and Department of Computer Science. Project works are introduced to enable students to think beyond the boundaries of the class rooms, to help them hone their writing skills and also help in a comprehensive learning.

### **Talent search:**

The college organizes a cultural and literary Talent Search event every year to provide a platform to budding talent in the field of fine arts, literature, poster-presentation among many others. It helps in assessing the overall intellectual potential of students and also tests their capacity and aptitude for various competitive examinations which would help them in their career. It also boosts their confidence to participate in Inter-collegiate and Inter-university competitions. Students are trained to apply for summer projects, coaching to write PG CET to apply for higher studies, to write national level exams like JAM, GATE, etc. Some departments arrange group discussion classes on Saturdays and Sundays, which helps the students to write various competitive examinations.

### **Programmes organized for promotion of gender equity:**

- a. The college organized a special lecture on 25-02-2021 on the theme **“Is women Empowerment a Myth or Reality?”** by Dr. Swarnamala Sirsi, Retd. Professor, Yuvaraja's College, Mysore.
- b. A State level Webinar on **“Gender Equality and Women Empowerment a Global Issue”** held

on11/9/2021.

**Students qualified in national level examinations during the year:**

Following students qualified in national level examinations during the year

Students qualifying in state/national/international level examinations during the year 2023-24 (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)					
Sl. No.	Year of Passing	Name of the student	Exam Passes	Subject	Reg. Number
1	March 2024	AKASH T K	JAM	Mathematics	MA115F098
2	February 2024, May 2024	ANUSHA R	NET, JRF	Life Science	231620078341
3	May 2024	YAVANICA S	NET	Life Science	231620212671
4	March 2024	BHAVANA V P	JAM	Physics	PH115A042
5	March 2024	SANJAY KUMAR M R	JAM	Physics	PH115A100
6	February 2024	SWASTHIKA P Y	NET	Home Science	230520595618
7	February 2024	MEGHANA A NAYAK	NET	Home Science	230520463262
8	July 2024, May 2024	DARSHAN D	NET, JRF	Mathematical Science	231620094588
9	July 2024, May 2024	VIJAY C	NET, JRF	Mathematical Science	KK14000529
10	July 2024	SALMAN J KUDARI	SLET/SET	Mathematical Science	KS1044792

**Examination reforms implemented:**

**Evaluation Process and Reforms**

**How does the College ensure that all the stakeholders are aware of the evaluation processes that are operative?**

- The evaluation methods are communicated to the students at the beginning of each semester
- Scheme of examination will be notified in the beginning of each year
- The evaluation process of students is continuous and will be notified at the beginning of each year
- The results of the examinations are analysed in the departmental meetings as well as college council meetings
- Signatures of students are taken on the statement of Internal Assessment marks to bring absolute transparency. Also notified on the department notice board.

**What are the major evaluation reforms initiated by the College and to what extent have they been implemented in the College? Cite a few examples which have positively impacted the evaluation management system?**

The College has adopted progressive evaluation strategies in all the courses. It has been conducting courses with academic flexibility. Going one step ahead that from 2016-17 it has introduced the Choice Based Credit System for both Under Graduate and Postgraduate courses. There is also modification in the ratio of Internal Assessment and semester end examination for Under Graduate Courses and for Post-graduate courses 10+10+80.

**What measures have been taken by the institution for continuous evaluation of students and ensuring their progress and improved performance?**

**Graduate Programme:**

- For theory/practical papers weightage assigned for continuous assessment and semester end examination is 20: 80 (Previously it was 30:70) C1 and C2 Components are continuous evaluations and C3 is semester end examinations.
- Continuous assessment is made by conducting tests and giving assignments in every semester for all students.
- For valuations of theory papers, the examinations ratio is follow at internal and external. For valuation of UG theory papers single valuation system is adopted.

**Postgraduate Programme:**

- C<sub>1</sub> and C<sub>2</sub> components are continuous evaluations and C<sub>3</sub> is semester end examination.
- The ratio of C<sub>1</sub>, C<sub>2</sub> and C<sub>3</sub> is 10 : 10 : 80
- C<sub>1</sub> and C<sub>2</sub> components generally comprise of tests, seminars, assignments, group discussion.
- For valuations of theory papers, the examinations ratio is follow at 1:1 as internal and external. For valuation of PG theory papers double valuation system is adopted.

**What percentage of marks is earmarked for continuous internal assessment? Indicate the mechanisms strategized to ensure rigour of the internal assessment process?**

At the graduate level the internal assessment marks is 20% and at the postgraduate level it 30%. The college conducts the internal and continuous assessment process with the same rigor as the semester end examinations. For theory papers one/two Internal Assessment tests and assignments (C<sub>1</sub> & C<sub>2</sub>) are conducted at 8<sup>th</sup> and 16<sup>th</sup> week. For practical papers the Internal



Assessment will be made by continuous evaluation in every practical class with a split up for the performance and the practical record and the average of all the practicals is considered. Absence of the student for genuine reasons such as participation in sports, NSS, Medical grounds etc. provision will be made based on the merit of the appeal to appear for supplementary tests.

**Does the College adhere to the declared examination schedules? If not, what measures have been taken to address the delay?**

The College adheres to the declared examination schedules. The schedule for both the internal assessment and the end-semester exams is drawn up at the beginning of the academic year. However in situations of emergency like declaration of holiday due to unforeseen circumstances examinations are rescheduled. It is rescheduled in such a way that there is no overall delay in completion of examination process and announcement of results.

**What is the average time taken by the College for declaration of examination results? Indicate the mode / media adopted by the College for the publication of examination results e.g., website, SMS, email, etc.**

The results are announced within 15 days after the last semester end exam is conducted. The results are displayed on the college notice board and the same is published in the college website. Students have the access to get their result through internet and mobile phones with download facilities.

**Does the college have an integrated examination platform for the following processes?**

- **Pre-examination processes – Conduct BOE to appoint Chairperson and Members, Notification for the fee payment, Time table generation, student list generation for both Practical & Theory Examination, invigilators, squads, attendance sheet, online payment gateway, etc**
- **Examination process – Examination material management, logistics.**
- **Post examination process – attendance capture, auto processing, generic result processing and certification.**

Pre-examination processes – Constituting BOE, Notification, Time table generation, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc

The examination process starts with the beginning of the activities of the Board of Examiners (BOE) of all the subjects, which are constituted by Board of Appointing Examiners (BOAE) of the college for a period of one year i.e., for two semesters. The Chairperson of the

BOE of each subject discharges his/her duties in association with the members of BOE strictly within the syllabus prescribed by BOS and passed by Academic Council such as setting the question papers for the various courses and finalize the same in the BOE meeting and handing over to the Controller of Examination for printing.

The UG Student list is generated as soon as the admission process is complete. There are 20 different combinations. Generating time table through software and manually verified.

The Examination section of the college in consultation with the College Council of the college announces the schedule of the examination process on par with University of Mysore's notifications from time to time. It makes arrangements for the conduct of examinations to the candidates eligible to be examined collecting fee from the students at the rate prescribed by the University of Mysore.

The data related to IA component of evaluation of all the courses received from all the departments is entered and certified by the Head of the Department concerned.

#### **Examination process – Examination material management, logistics:**

To avoid malpractice and proper conduct of the examination every candidate appearing for the examination is given admission ticket authenticated by the facsimile of the Principal and the Controller of Examination with a signed photograph of the candidate affixed on it. A squad is also appointed to inspect and report the malpractices noticed if any.

The coding system in the valuation of the answer scripts is adopted to see that identification of the candidate is not disclosed. The coded answer scripts are valued by the examiners at the rate of 32 answer scripts a day in groups, the sample scripts reviewed by the Deputy Chief of the group. With a view to maintain the standard of evaluation the evaluators are chosen 50% internal and 50% external to the college.

#### **Post examination process– attendance capture, auto processing, generic result processing and certification**

The examination data are being processed by using computer software purchased out of college fund (F&R a/c) and maintained solely for the purpose. The college is able to announce the results and issue marks cards within one or two days after the completion of the valuation.

The Provisional degree certificates for the eligible outgoing students are being issued instantly. The eligibility list of the candidates seeking degree certificates is sent to the University of Mysore from where the candidates are get the same delivered to their address after the convocation.

**Has the College introduced any reforms in its Ph.D. evaluation process?**

Rules of University of Mysore are followed from time to time. Evaluation are carried out in the University level.

**What efforts are made by the College to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved process and functioning of the examination division/section?**

Efforts made at the office of the Controller of Examinations to streamline its operations for conduct of fair examinations. An efficient examination software is installed to process the results. The software automatically computes the results and provides the output. Even the marks list is generated automatically which could be directly provided and supplied to the candidates. The Software is password protected so that no malpractice could happen. A ledger copy is being maintained for later use. Further the Marks cards and transcripts are being issued with Q.R. code that scanned to set verification of the same as it is maintained our University website.

**What is the mechanism for redressal of grievances with reference to evaluation?**

Usually there are hardly any cases of grievance since the system of transparency is followed. However, teachers clarify any point raised by students regarding evaluation process. The students can inform the authorities about their grievances in writing immediately after the examinations are over. The authorities take note of these grievances, if genuine and take necessary steps. For redressal of grievances, with reference to evaluation after the announcement of results, students can apply for seeing the paper, photocopy of the answer script, re-totalling, revaluation and Challenge Valuation within a stipulated time. As notified by the office.

Provision for revaluation of answer scripts made for the candidates who are not satisfied with the marks awarded to them by paying the prescribed fee by notification. Provision is also made for the candidates to see their answer scripts and check for total mistakes if any and to get photocopies of the same on paying the prescribed fee. The revaluation process will begin with coding of the coded answer scripts by competent external examiners in an accelerated phase to announce the results of revaluation normally within ten days. In line with the rules of the University Examination provision is also made to the student to reject the results of the examination of the semester if desired within 30 days from the date of announcement of the result.



## **Student Performance and Learning Outcomes**

**Does the College have clearly stated learning outcomes for its programmes? If yes, give details on how the students and staff are made aware of these?**

The learning outcomes are clearly stated in the curriculum of each programme. The faculty discusses the expected learning outcomes during the Orientation programme of the fresh batch of students. Planning of the lessons semester-wise and its implementation by the faculty is done keeping in view the learning outcome.

**How does the institution monitor and ensure the achievement of learning outcomes?**

- Analyzing the examination results at the end of each semester makes it possible for teachers to devise corrective action wherever necessary. This ensures enhanced performance in successive examinations.
- The student-centric teaching and learning methods ensure the achievement of learning outcomes.

**How does the institution collect and analyze data on student learning outcomes and use it for overcoming barriers of learning?**

The learning outcomes are collected through the regular informal interaction in the classes, periodic tests, home-assignments, seminar presentations as well as semester end examinations. Slow learners are identified and counselled individually in case of specific difficulties, and the teachers themselves work out the strategies suitable to overcome the barriers.

**Total number of seminars/workshops conducted:**

College organised 61 webinars, workshops and special lectures.











Sl. No	Activity	Details
1	Awareness programmes	World Environment Day 2023 held on 5th June 2023 with the focus on "SOLUTION TO PLASTIC POLLUTION".
2	Orientation programme	Conducted two days orientation programme by IQAC for UG students held on 6th and 7th of October 2023.
3	Workshop by IQAC and YCM Alumni Association	Conducted a workshop on 02-02-2024 for bunch of opportunities through GATE examination.
4	The Seminar on invited lecture was organised in association with Cosmology Education and Research Training Centre (COSMOS)	Conducted invited talk held by Science Forum and IQAC on 12.02.2024 on Running with Ants.
5	ICT and Professional Etiquettes for non-teaching staff	Workshop for non-teaching staff had been organized by Alumni Association from 7-6-2023 to 9-6-2023 on File management, accounts management, ICT and Professional
6	Workshop on data analytical	Workshop on Data Analytics Using Microsoft Excel and JAMOVIT from 02-6-23 to 03-06-23

## Details of research scholars/candidates declared P.hD during the year 2023-24:

3.4.2 - Number of PhD candidates declared per teacher during the year 2023-24						
Sl.No	Name of the Guide	Subject/ Department	Name of the Research Scholar	With/Without fellowship	Locality	Gender
1	Prathibha M	Zoology	Mahendra B V	Without fellowship	State	Male
2	Mahadevaswamy M	Zoology	Abhilash H R	Without fellowship	State	Male
3	Ashadevi J S	Zoology	Deepak P	Without fellowship	State	Male
4	Kumara M N	Chemistry	Sagar K S	With fellowship	State	Male
5	Devaki N S	Botany	Namitha	Without fellowship	State	Female
6	Shaukath Ara Khanum	Chemistry	Nagesh Khadri M J	With fellowship	State	Male
7	Yashodha Nanjappa	English	Somy augustine	Without fellowship	foreign	Female
8	Venkatesh B M	Chemistry	Bashir Mohammed Hezam Imaswari	Without fellowship	Foreign	Male
9	Shaukath Ara Khanum	Chemistry	Mahima jyothi	Without fellowship	state	Female
10	Shaukath Ara Khanum	Chemistry	Pallavi H M	Without fellowship	State	Female
11	S Suresh	Environmental Science	Satish Kumar J	Without fellowship	state	Male

Number of research papers per teacher in CARE Journals notified on UGC website during the year 2023-24

Sl.No	Title of paper	Name of the author/s	Name of journal	Year of publication
1	Nickel vanadate nitrogen-doped carbon nanocomposites for high-performance supercapacitor electrode.	Awatif Rashed Z. Almotairy, Basheer M. Al-maswari, Khaled Alkanad, N.K.Lokanath, R.T.Radhika, B.M.Venkateha	Elsevier publisher, Heliyon 9	2023 (August 2023)
2	Chemical potency of Cobalt doped modified graphite electrode prepared by Electrochemical method and its application in degrading solution of Rhodamine-B dye.	Hiremarali Sathyanarayana Sindhushree, Rayapura Thimmegowda Radhika and Bellale Marigowda Venkatesha	Current World Environment 19, 1, 269-282	2024 (accepted on 10/5/2024)
3	change point detection and trend analysis of monthly, seasonal and annual rainfall series over the mysore district, karnataka	Anil kumar, Stavelin Abhinandithe K & Vidya R	international Journal of biology, pharmacy, and allied sciences,13(7), 3153-3161	2024 (July 2024)
4	Analysis of Road Accident Mortality based on time occurrence in Kerala, India	Divyashree N, Stavelin Abhinandithe K, Vidya Raju, Shridhar Ramachandran, Prerana M	international Journal of community medicine and public health, 10(12), 4862-4868.	2023 (published on 30/11/2023)
5	An Overview of Cancer Biology, Pathophysiological Development and It's Treatment Modalities: Current Challenges of Cancer Anti-Angiogenic Therapy	Fares Hezam Al-Ostoot <sup>a,b</sup> , Salma Salah <sup>c</sup> and Shaukath Ara Khanum <sup>a</sup>	CANCER INVESTIGATION, 42(7):559-604	2024 (Epub: 14/6/2024)
6	Synthesis of a Family of Pd(II) Complexes Using Pyridyl-Ketone Ligands: Crystal Structure, Thermal, Physicochemical, XRD/HSA, Docking, and Heck Reaction Application	Anas AlAli <sup>†</sup> , Khalil Shalalin <sup>‡</sup> , Abeer AlObaid <sup>§</sup> , Khaled Alkanad <sup>  </sup> , Abdelkader Zarrouk <sup>⊥,¶</sup> , Ismail Warad <sup>∇,*</sup> , Shaukath Ara Khanum <sup>†,*</sup>	ACS Omega, 9(23):25073–25083	2024 (30/5/2024)

7	Morphological and Molecular Characterisation of <i>Athelia rolfsii</i> associated with foot root disease of <i>Gomphrena globosa</i> - A new recor from India	G. S. Thejaswini, S.Mahadevkumar,Joy Josna, Chandranaia, R. Sowmya	Crop Protection, Elsevier	2023 (accepted on 6/9/2023)
8	Formulation and evaluation of papad developed with partial replacement of rice flour with buckwheat ( <i>Fagopyrum esculentum</i> ) flour.	K N Srikari, Shekhara Naik R, Mahesh Shivananjappa	IP Journal of Nutrition, Metabolism and Health Science.	2023
9	Formulation and evaluation of mathri developed with partial replacement of wheat flour with buckwheat flour ( <i>Fagopyrum esculentuim</i> ).	Deepika M, Manasa R, Shekhara Naik R and Mahesh Shivananjappa	IP Journal of Nutrition, Metabolism and Health Science.	2023 (Accepted on 28/06/2023)
10	Formulation and evaluation of mathri developed with partial replacement of wheat flour with brown top millet flour ( <i>Brachiaria ramosa</i> )	Kusum N, Mahesh Shivananjappa, Shekhara Naik R and Manasa R	IP Journal of Nutrition, Metabolism and Health Science.	2023 (Accepted on 27/06/2023)
11	A review on banana flower: Nutritional composition, processed products and health benefits.	Kavya M H, Manasa R, Deepika M, Mahesh Shivananjappa, Shekhara Naik R	IP Journal of Nutrition, Metabolism and Health Science.	2023 (Accepted on 25/06/2023)
12	Anti-hyperglycemic activity of drumstick leaves ( <i>Moringa oleifera</i> ).	Manjula Sheshagiri, Kavya MR, Deepika M, Manasa R, Shekhara Naik R and Mahesh Shivananjappa	The Pharma Innovation Journal.	2023 (Accepted on 26/08/2023)
13	Development of Punugulu from foxtail millet ( <i>Setaria italica</i> ).	Manjula Sheshagiri, Deepika M, Divyashree S, Shekhara Naik R, Mahesh Shivananjappa and Manasa R	The Pharma Innovation Journal.	July 2023
14	Development and Evaluation of Lyophilized Purslane Chapathi.	Geetha Shree K., Harsha Vardhan P. E., Devaki C.S., Harini G and Shekhara Naik R	International Journal of Creative Research Thoughts (IJCRT).	01-10-2023
15	Development of thalipeeth by partial replacement of wheat flour with kodo millet ( <i>Paspalum scrobiculatum</i> ) flour.	Madiha Anjum, Deepika M, Maheshwari KM, Shekhara Naik R, Mahesh Shivananjappa and Manasa R	The Pharma Innovation Journal	2023
16	Formulation of Nutrient –rich nachos using little millet ( <i>Panicum sumatrense</i> ) Flour.	Shekhara Naik R	Annals of Geriatric Education and Medical Sciences	Janaury 2024
17	Development of Ready to Cook Banana Pseudo Stem Vermicelli Upma Mix with Quality Evaluation.	Payal R, Shobha D , Shekhara Naik R, Jayashree Ugalat and Manjunatha M	Journal of Advances in Biology & Biotechnology	Janaury 2024
18	A review on Soy Protein based edible packaging and its role in mitigating pollution and toxicity.	Bhumika M, Deepika M, Shekhara Naik, Manasa R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
19	Evaluation of edible packaging utilizing milk Protein: A critical review	Bhumika M, Deepika M, Shekhara Naik, Manasa R	“Emerging Strategies in Nutrition, Food & Lifestyle for Health Management (ICENS’24)”.	2024
20	A review on “A Printed nutrition: Advancing health management with 3D food printing	Anusha N, Deepika M , Shekhara Naik R , Manasa R	Emerging Strategies in Nutrition, Food & Lifestyle for Health Management (ICENS’24)”. Vol 2.	2024
21	A review on impact of enteral and parenteral nutrition on colorectal cancer patients.	Aleena Gurralla, Deepika M, Shekhara Naik, Manasa R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
22	Impact of Medical Nutrition Therapy on Sepsis.	Aleena Gurralla, ShekharaNaik, Manasa R	“Emerging Strategies in Nutrition, Food & Lifestyle for Health Management (ICENS’24)”.	2024
23	A review on Nutritional and Medicinal benefits of Marijuana	Bhoomika MS, Deepika M, Shekharanaik R, Manasa R	In frontiers in biological and medicinal science- FBMS’24 Vol 2.	2024
24	A Comprehensive Review: Anti-diabetic activity of <i>Vernoniaamygdalina</i> Del .	Damini.K.R, Deepika M, ShekharaNaik, Manasa R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
25	A Comprehensive Review: Anti-Oxidant activi    Solanumnigrum Linn.	Sofiya, Deepika M, ShekharaNaik, Manasa R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
26	A review on impact of enteral and parenteral nutrition on colorectal cancer patients.	Aleena Gurralla, Deepika M, Shekhara Naik, Manasa R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
27	Impact of Medical Nutrition Therapy on Sepsis.    	Aleena Gurralla, ShekharaNaik, Manasa R	“Emerging Strategies in Nutrition, Food & Lifestyle for Health Management (ICENS’24)”.	2024
28	A review on Nutritional and Medicinal benefits of Marijuana	Bhoomika MS, Deepika M, Shekharanaik R, Manasa R	In frontiers in biological and medicinal science- FBMS’24 Vol 2.	2024
29	A Comprehensive Review: Anti-diabetic activity of <i>Vernoniaamygdalina</i> Del .	Damini.K.R, Deepika M, ShekharaNaik, Manasa R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
30	A Comprehensive Review: Anti-Oxidant activi    Solanumnigrum Linn.	Sofiya, Deepika M, ShekharaNaik, Manasa R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024



31	A Comprehensive Review: Diet and Lifestyle Influences on Gut Health	Afeefa Naveed, Deepika M, ShekharaNaik, Manasa R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
32	“Triphala : Exploring the potential of an ancient ayurvedic formulation in managing diabetes mellitus	Samanvitha S Ambale,Deepika M, Manasa R, Shekhara Naik R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
33	, “Exploring the therapeutic potential: Phytochemical Composition and Anti-inflammatory activity of Red Sandal Wood (Pterocarpus santalinus Linn)	Vishwas Gowda V G, Deepika M, Manasa R, Shekhara Naik R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
34	Applications of Stem Cells in SpinalCord Injury: A Comprehensive Review	Sunil, Deepika M, Manasa R, Shekhara Naik R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
35	A review on Management of Polycystic kidney disease.	Maheshwari KM, Deepika M, ShekharaNaik, Manasa R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
36	Wrapped in green: Edible packaging solutions for greener tomorrow	Shruti G, Deepika M, Manasa R, Shekhara Naik R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
37	Connecting the dots :unravelling the link between diabetes (T3D) and Alzheimer’s disease (AD)	Shrunga M ,Deepika M, Manasa R ,Shekhara Naik R	In Frontiers in biological and medical science – FBMS’24 Vol 1.	2024
38	Tribulus Terrestris Spent Adsorbent Utilized For Dye Removal Of Malachite Green Dye	Chaya G Razia Sulthana2 Bibi Ahmadi Khatoon	International journal of creative research thought	2024
39	Electrochemical synthesis 3,5-Bis(1,2,4-thiazodole) oxidative dimerization	Mahadev shivraj, Manikynahalli N Kumara et al	Electrochemistry	2023
40	Microwave assisted synthesis and characterization of aldehydes derivatives of imidazole	Manikynahalli N Kumara et al		2023
41	Structure-property derivative of two pyrazole derivatives	K Ajaykumar et al	Journal of molecular structure	2023
42	Response Surface Methodology Studies of Crystal Violet Dye From Aqueous Solution by Nutraceutical Industrial Chilli Seed Spent	Chaya G, Razia Sulthana, Bibi Ahmadi Khatoon	International Journal of All Research Education and Scientific Methods	2024
43	Malachite Green Dye Removal on Bioadsorbent Nutraceutical Industrial Chilli Seed Spent	Chaya G Razia Sulthana Bibi Ahmadi Khatoon	International journal of emerging technologies	2024
44	Evaluation of Limosilactobacillus fermentum MYSAGAM1 isolated from herbal Amla juice as probiotic candidate with antifungal characteristics against Fusarium equiseti	Adithi G, S. Divyashree, B. Shruthi, N. Deepa, M.Y. Sreenivasa	Food bioscience	2024
45	Ambient gamma radiation level around Kaveri river basin	T Sadashivaiah et al.,	Radiation protection dosimetry	2024
46	Writer Dependent Offline Signature Verification Based	Annapurna H ; Manjunatha K ; Guru D S	International Journal of Computer Science and Mobile Computing	2023
47	HR-LCMS assisted phytochemical screening of antioxidant, antibacterial activity of Prunella cordifolia (L.f) Druce plant and molecular docking approach	Jayanth H S et al.,	Results in Chemistry	2023
48	Pyrimidine appended heterocycles: synthesis characterisation and biological evaluation	Umesh K B et al.,	PHOSPHORUS, SULFUR, AND SILICON AND THE RELATED ELEMENTS	2024
49	Characterization of 36-kDa Dimeric Methotrexate-degrading Enzyme from Variovorax paradoxus, its Performance and Stability of its Cross-linked Aggregates	Jayanth H S et al.,	Applied Biochemistry and Microbiology,	2023
50	Computational analysis for eccentric neighborhood zagreb indices and their significance	Ruby Salestina M	Heliyon	2024
51	Super capacitor , electrochemical measurement and sunlight driven photocatalytic applications of CuFe2O4, NPs synthesized from bio-resource extract	B C Manjunath	Sensors International	
52	Transcriptomic profiling of resistant and susceptible rice cultivar blast resistance genes during Magnaporthe oryzae infection	N. S. Devaki	Plant Molecular Biology Reporter	2024
53	Sustainable approach of loaded CuFe2O4, nanomaterial for electrochemical lead and paracetamol sensing action with multiple applications	B C Manjunath	Scientific reports	2023

54	The synthesis, crystal structure and spectroscopic analysis of (E)-3-(4-chlorophenyl)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)prop-2-en-1-one	Mahadeva Murthy, S	Acta Cryst	
55	Classification of lung nodules in CT images using convolutional neural networks	Chandraiah T	International Journal of Communication Networks and Information	2024
56	Retrieval for Pulmonary Nodules Using Deep Metric Learning Based Feature Extraction	Chandraiah T	International Journal of Communication Networks and	2023
57	First report of Nigrospora spaerica associated with the leaf spot disease of <i>Crossandra infundibuliformis</i> in India P	Sowmya R	Plant Disease	2023
58	Phenotypic and biochemical characterization of Turmeric ( <i>Curcuma longa</i> L.) during developmental stages	Sowmya R	Journal of Essential Oil and Plant Compounds	2023

### Citationindexoffacultymembersandimpactfactor:

Citationindexofteachersrangingfrom1to 166

### Community Services:

Number of extension and outreach programmes conducted in collaboration with industry, communityandNon-GovernmentOrganisationsthroughNSS/NCCduringtheyear-2023-24

Name of the Activity	Organising Unit/ Agency/ Collaborating Agency	Month and Year of the activity
Blood Camp	Yuvaraja's college and Rotary Mysore	1-25-2023
Republic Day	Yuvaraja's college	1-26-2023
yoga Day	University Of Mysore	6-21-2023
Debate Competition	Yuvaraja's College	6-24-2023
National Science Day	University Of Mysore	7-27-2023
Independence Day	Yuvaraja's College	8-15-2023
Sarva Sadasyara Sabhe	Yuvaraja's College	10-16-2023
Cleaning Session	Yuvaraja's College	10-27-2023
Volunteering in Dumb and Deaf	Yuvaraja's College	11-23-2023
Awareness On Cleaning	Yuvaraja's College	11-25-2023

**Teaching–Non-teachingstaffratio:**

TeachingFaculty: 220

Nonteachingstaff: 91

**Teachingand Non-teachingstaffratiois2.4:1****Improvementsinthelibraryservices:**

Yuvaraja's College is the Constituent College of University of Mysore, Mysore. College started Library automation in the year 2010 with Koha version 3.12.04.000 open source Integrated Library Management Software (ILMS) and currently version 16.05.03.000 is in use. The functionality of Koha open source ILMS for all the housekeeping module has been customized by organizing many brainstorming interactive sessions with experts and Library Professional staff. The Web OPAC facilitates searching of our college Library collections by providing location of a book in a particular library for accessing procured e-books from reputed publishers. The ILMS provides a distributed system of input for bibliographic details of the books, reference materials, Braille books, Audio CD's collection etc. The software supports to input bibliographical details of regional language collections like Kannada, Hindi, Sanskrit and Urdu resources by its original scripts. User community can access the bibliographical data of library collections worldwide through WEBOPAC as it is hosted in cloud. Library catalogue has been included in copy cataloguing Z39.50 for its quality of cataloguing data.

Koha ILMS facilitates of College user's community to access e-resources by using User ID & password from any corner of the world through ezproxy software (remote access).

**Courses in which student assessment of teachers is introduced and the action taken on students feedback:**

On all the courses student assessment of teachers is introduced. This is done at the end of the even semester. This is online feedback is introduced.

Detailed feedback report can be referred through the following links:

1.	Feedback for Design and Review of syllabus by Students	<a href="https://docs.google.com/forms/d/e/1FAIpQLSdUvFf3QpsrFa3uRKXa6sSx0Bp_NTa2doovldi248eHJEBGPg/viewform?vc=0&amp;c=0&amp;w=1&amp;flr=0">https://docs.google.com/forms/d/e/1FAIpQLSdUvFf3QpsrFa3uRKXa6sSx0Bp_NTa2doovldi248eHJEBGPg/viewform?vc=0&amp;c=0&amp;w=1&amp;flr=0</a>
2.	Feedback for Design and Review of syllabus by Teachers	<a href="https://docs.google.com/forms/d/e/1FAIpQLScjhBucTeTgqx0lx4JZsEuW9Nx5ovgsFtGuhE5syR5ADXGqMQ/viewform?usp=sf_link">https://docs.google.com/forms/d/e/1FAIpQLScjhBucTeTgqx0lx4JZsEuW9Nx5ovgsFtGuhE5syR5ADXGqMQ/viewform?usp=sf_link</a>
3.	Alumni Feedback on Curriculum	<a href="https://docs.google.com/forms/d/e/1FAIpQLSfVsYJsPtOAiksMtZrAqDsQcJ59qvrixHTBczRmLhliQnLNBg/viewform?vc=0&amp;c=0&amp;w=1&amp;flr=0&amp;gclid=-8203364">https://docs.google.com/forms/d/e/1FAIpQLSfVsYJsPtOAiksMtZrAqDsQcJ59qvrixHTBczRmLhliQnLNBg/viewform?vc=0&amp;c=0&amp;w=1&amp;flr=0&amp;gclid=-8203364</a>



## **Computerization of administration and the process of admissions and examination results, issue of certificates**

### **Implementation of e-governance in areas:**

1. Examination section works fully automated. The software LINE-X-1.5 is used for this purpose. All activities related to examinations including marks entry, grade processing, publication of results, revaluation and issue of consolidated grade sheet, printing mark sheets are carried out digitally.
2. Online application through college website/introduced for admission during 2023-24.

### **Increase in the infrastructural facilities Physical**

#### **facilities:**

The college ensures optimal allocation and utilization of the available financial resources collected from Partially Self Financial Scheme (PSFS) fund collected from the students at the time of admission and other resources like CPE and Autonomy grants for maintenance and upkeep of different facilities in the interest of students. For this at the beginning of each semester college council meeting which includes all the HOD's and senior faculty members of the college is called with the leadership of the principal of the college. The budget is allocated to different departments as per their requirements for the maintenance of the laboratories and the classrooms which are a part of the teaching and the learning processes. Prior to this regular meeting are arranged at the department level and suggestion is sought with the leadership of HOD's of the department and requirements are listed for that academic year. Which is placed before the college council and accordingly the budget is allocated. Regular meetings of various committees constituted at the college level called for the purpose of utilizing Physical, academic and support facilities and using the grants received by the college as per the requirements. The maintenance and the cleaning of the classrooms and the laboratories are done with the effort of the non-teaching staff and contract staff appointed for this purpose. The college garden is maintained by the gardener appointed by the college. Computers: The college has an adequate number of the computers with internet connections and the utility software's distributed in different locales like office, laboratories, library, department etc. Lab technicians are appointed to look after these facilities. Classrooms: HOD's submit their requirements to the Principal regarding classroom furniture and other facilities. The college development fund is

utilized for maintenance and minor repair of furniture and other electrical equipments. Regular budget is allocated for this purpose. Sports complex: An Physical Instructor appointed for the college, who takes care of the sports facilities and sports support. Students are trained to participate in university level, state level and national level even stand out standing students are recognised and extended financial support in terms of scholarships, travel, tracksuit etc. Jnanavahini sangha of the college takes care of all kind of co-curricular and extra-curricular activities. Students are encouraged to participate in university level, state level, national and international level. The outstanding students are identified and financial help is extended to participate in different events. The college website has maintained regularly. The college has a separate undergraduate library which takes care of all the requirements of the students in academics. The library helps in borrowing books, extends book loans, computer self-learning facilities etc. as and when required.

### **Computer and internet access and training to teachers, non-teaching staff and students**

- Internet connections speed 100 Mbps capacity is available in the college
- 138 internet connections/Wi-Fi devices to cover the entire campus
- Free Wi-Fi and internet services to the staff and students

### **Financial aid to students:**

Name of the scheme	Number of students receiving scholarships and freeships provided by the Government during the year	
	Number of students	Amount
SC Students scholar ship	802	46,06,834
ST Students scholar ship	255	41,88,611
OBC Students scholar ship	1105	14,43,480
Scholarships and freeships provided by the institution: Cash prize winners of Talents search programme - 111 Students	111	65,000

### **Health services**

The college has health centre facility in the college campus for the use of staff and students of the institution. The Health Centre also serves the Employees of the University of Mysore (both Teaching and Non-teaching) and their dependents. Besides, the Centre also provides Medical service to Retired employees of the University of Mysore.

**SENIOR MEDICAL OFFICER:** Dr.M. S. BASAVARAJM.B.B.S.,MD.,

**LADY MEDICAL OFFICER:** Dr.H.P.SUJATHAM.B.B.S.,MD.,

**HOSPITAL TIMINGS:**

WeekDays:9.00AMto12.30PMand4.30PMto6.00

PMOnHolidays:9.00 AM to 12.00 PM

➤ **Nature of Disease Treated and Facilities Provided**

Common ailments like respiratory infections, gastrointestinal infection, skin ailments, trauma and chronic diseases like diabetes, hypertension, Asthma and Heart diseases. The Centre also provides most of the essential medicines free of cost to the patients. Employees have the facility of medical reimbursement.

➤ **Activities of Health Centre**

Health screening camps are held with the help of Pharma companies Health Camps for the detection and monitoring of following diseases :

- Diabetes
- Asthma
- Hypertension
- Lipid disorders
- Bone mineral density
- Peripheral neuropathy
- Gout
- Peripheral neuropathy
- Microalbuminuria
- Thyroid disorders

➤ **Health Education Lectures**

Believing in the principle of “Prevention is better than cure” and “Teaching the Teacher” has helped the centre to promote healthy ways of living. The centre has made endeavours to spread the scientific information in the field of medicine to teaching faculty, students and public.

➤ **Topics covered in Educational Programmes:**

Emerging diseases from a social perspective

- Youth and Health
- H1N1 Influenza
- HIV/AIDS
- Stress Management
- Diabetes and Heart Ailments
- Personal Hygiene/Community Hygiene
- Water and Food Borne Diseases

## **1. Evidence of success:**

Students expressed that

- (i) This program made them to have a better understanding of the course.
- (ii) The continuous interaction with the teachers made them to have a positive bent of mind towards the whole scenario.
- (iii) It gave them the confidence to face the offline exam even though the classes were held online which was clearly evident from their results of the examination.
- (iv) It was a confidence boost to the parents as well to see the improvement in their wards.

## **2. Problems encountered and resources required:**

The main problem encountered was internet facility. Many students who were from remote areas could not be reached through video calls. We had to contact them through ordinary phone calls which was highly appreciated by the parents. In many cases students had to walk 2-3 Kms to get the mobile tower connection. In spite of all odds, we could make a contact with almost all students.

## **Section C**

### **Outcomes achieved by the end of the year (attach separate sheet if required):**

- The online feedback is initiated for collected and collated for further deliberations and actions; it includes feedback from Alumni, Teachers, and Students. Based on the analysis the departments were informed to plan of action for the revision in curriculum and policy decisions which are required to fulfil various requirements of students on their teaching learning experience and improvement of existing facilities in the college. This year online feedback is initiated from alumni, employers, staff and students.
- 6 webinars, workshops and special lectures organised.
- For the safety of students in the campus 32 CC TV and 2 Cameras installed.
- All the final year UG courses are modified according to new CBCS criteria, MBA Course are modified.
- RUSA has provided funds for constructing additional class rooms, from this fund (100 lakhs) additional 4 class rooms are constructed.
- As basic infrastructure 16 additional Toilets are constructed and 2 toilets are constructed for the purpose of differentially abled students.
- Research articles published: 58 articles are published.



## SectionD

### **Plans of the college for the next year:**

- Installation of more CCTV and cameras
- Construction of additional classrooms
- To improve the infrastructure of basic needs and create infrastructure for disabled friendly students
- Increase the number of Awareness programmes
- To increase the ambience to increase Research activities
- Increase sports facilities
- Steps to improve fire safety in the campus
- Green Initiatives to make campus eco friendly
- Library automation
- Increase the number of computers for students use
- More programmes for promotion for gender equality
- Programmes on health and fitness

### **Good practices of the institution:**

Title of the Best Practice:

1. The Pictorial Pedagogy
2. Forums for Expression and Learning
3. Promoting Sustainable Mobility: Bicycles and E-Bikes on Yuvaraja's College Campus



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



UOM/YCM/2023-24

Landline 0821 2419292  
[principal@ycm.uni-mysore.ac.in](mailto:principal@ycm.uni-mysore.ac.in)

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**AQAR 2023-2024**

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Link sheet:

Criteria No	7	Institutional Values and Best Practices
Key Indicator No (KI No)	7.2	<b>Best Practices</b>
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**

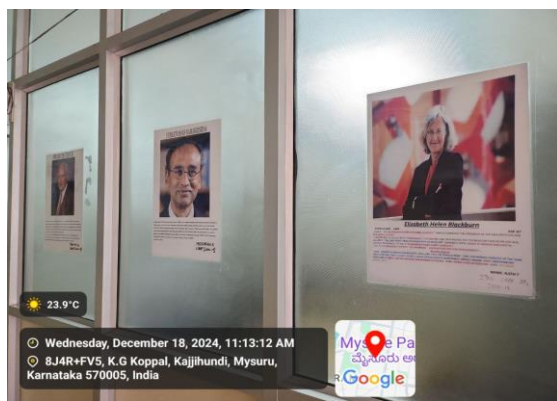
Institution needs administrative cooperation and encouragement to develop pictorial pedagogy seriously and professionally more. The administration should encourage it more though it is slightly on lower side right now.

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**

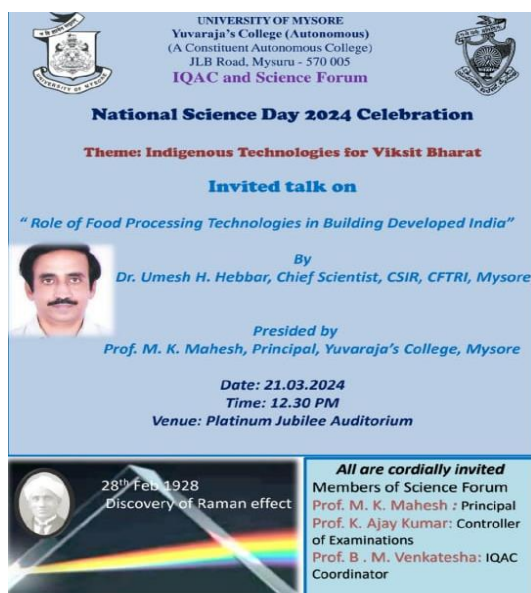
**The objective of the practice:**

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:



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"

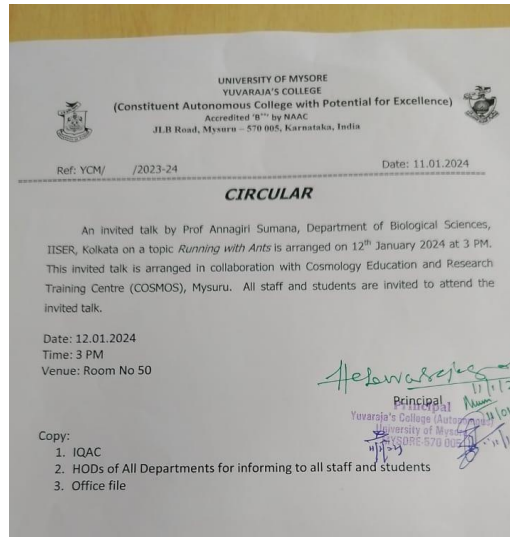
By  
**Dr. Umesh H. Hebbar, Chief Scientist, CSIR, CFTRI, Mysore**

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

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

28<sup>th</sup> 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**

<div>  <div> 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 </div>  </div>				
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>Amoghavarsha</i> 12/01/24
1	Sampathkumar Aradhya	Student	Molecular Biology	<i>Aradhya</i> 12/01/24
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	Reetu S	Student	Molecular Biology	<i>Reetu</i> 12/01/2024
7	Jyotiska K.M	Student	Molecular Biology	<i>Jyotiska</i> 12/01/2024
8	Rakshit M	Student	Molecular Biology	<i>Rakshit</i> 12/01/2024
9	Vandana P.M	Student	Molecular Biology	<i>Vandana</i> 12/01/2024
10	Valashnavi S	Student	Molecular Biology	<i>Valashnavi</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	Varanika S	Student	Molecular Biology	<i>Varanika</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	Student	Microbiology	<i>Shruthi</i> 12/01/2024
20	Sri Karthik D	Student	Microbiology	<i>Sri Karthik</i> 12/01/2024
21	Shreemay K.R.	Student	Biochemistry	<i>Shreemay</i> 12/01/24
22	Prathyma Acharya	Student	Zoology / Semiculture	<i>Prathyma</i> 12/01/24
23	Anshu Thapa	Student	Molecular Biology	<i>Anshu</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 Ashwin D.S	Student	Zoology / Biochemistry	<i>Jaya Ashwin</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.

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**UNIVERSITY OF MYSORE**  
**Yuvaraja's College (Autonomous)**

(A Constituent Autonomous College with Potential for Excellence)  
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JLB Road, Mysuru 570 005, Karnataka, INDIA



UOM/YCM/2023-24

Landline 0821 2419292,  
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AQAR 2023-2024

Link sheet:

Criteria No	7	Institutional Values and Best Practices
Key Indicator No (KI No)	7.2	<b>Best Practices</b>
		<b>Any other relevant information</b>

**Two best practices listed are :**

**1.The Portrait Initiative at Yuvaraja's College**

**2.Waste Management Club at Yuvaraja's College**

**1.The Portrait Initiative at Yuvaraja's College**

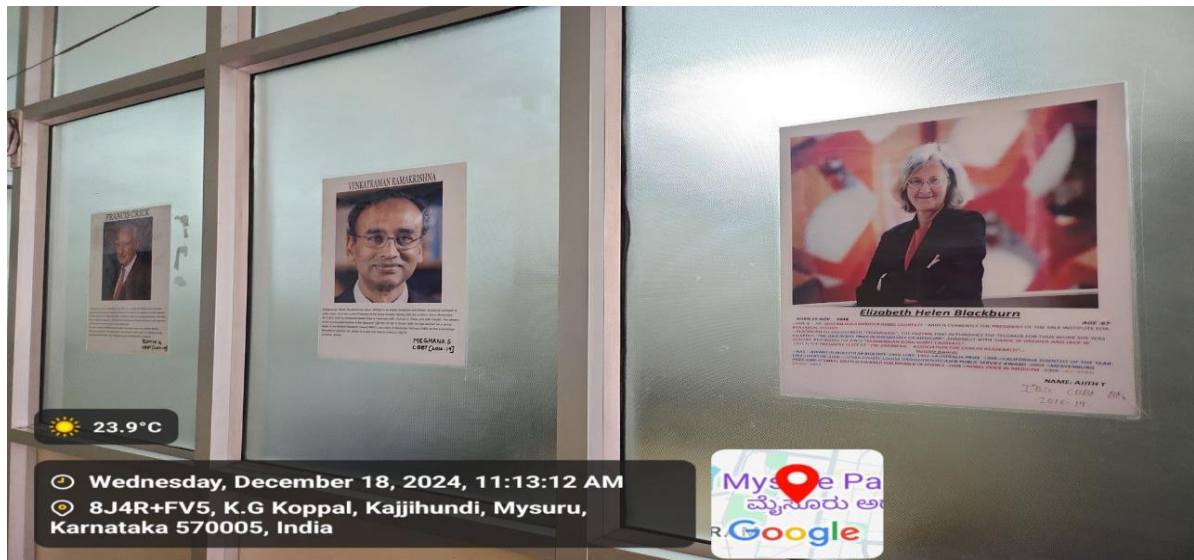
Yuvaraja's College, Mysore, is a general degree college located at Mysore, Karnataka. It was established in the year 1928. It is one of the four constituent colleges of University of Mysore. This college offers different undergraduate and postgraduate courses in science. The Yuvaraja college focuses 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.

**I Displaying 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. This initiative aims to inspire academic pursuits, commemorate groundbreaking contributions, and foster an environment steeped in intellectual and cultural appreciation. 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. The visual presence of trailblazing achievers provides 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.

### Department of Biotechnology



### Department of Molecular Biology



### Department of English



Yuvaraja's College, Mysuru, has initiated an 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. This initiative aims to inspire academic pursuits, commemorate groundbreaking contributions, and foster an environment steeped in intellectual and cultural appreciation. 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.

## 2. Best Practices Report: Waste Management Club at Yuvaraja's College

The program on Earth day inspired us to establish the Waste management club in the college which is later refined as dry waste collection club which was done during 2024-25 academic year





Flyer of the Earth Day celebration





UNIVERSITY OF MYSORE  
**Yuvaraja's College (Autonomous)**  
 (Constituent College of University of Mysore)  
 Accredited B<sup>++</sup> grade with CGPA 2.81 by NAAC  
 JLB Road, Mysuru - 570 005



**Circular**

May 6, 2024

As per the suggestion given during the Earth Day Celebration on 22<sup>nd</sup> April 2024 by environmentalists Sri U N Ravikumar and Sri Dinesh Bopanna, Students have come forward to start "Waste Management Club" in our college. On Wednesday, 8<sup>th</sup> May 2024, student members of Green Audit and Eco club are initiating the *Waste Mangament Club* activities by arranging cleaning drive in our campus. Waste generated will be subjected to recycling under the guidance of Sri U N Ravikumar and Sri Dinesh Bopanna. Hence all interested students and faculty are requested to attend this ecofriendly initiation of students at 8AM and join hands and help to keep our campus clean and green with a message of 3 Rs (Reduce, Reuse and Recycle).

**Venue: In front of Portico of the college**

**Date of the Program: 08.05.2024**

*Subhash* 06/05/24  
**Principal**  
 Yuvaraja's College (Autonomous)  
 University of Mysore  
 Mysore-570 005

In the below given photo Sri Dinesh Bopanna of jagruth Tech firm is explaining the importance of the activities of the club and how students have take forward such initiative in the college



09/05/2024 10:06





A view of the staff and students getting ready to collect the waste of the college for recycling



Students getting ready with the materials for the waste collection with specific bags (red bags are for plastic bottle collection. These bottles are recycled to prepare pavement blocks by Jagruth Tech firm established by Mr Bopanna)



All students are being instructed by the student leaders of waste management club