

### YEARLY STATUS REPORT - 2020-2021

Part A  Data of the Institution		
Name of the Head of the institution	Dr .T HANUMANTHA REDDY	
• Designation	Principal	
• Does the institution function from its own campus?	Yes	
Phone no./Alternate phone no.	08392245328	
Mobile No:	9448043949	
Registered e-mail	principalrymec@gmail.com	
Alternate e-mail	hosalligiri@gmail.com	
• Address	cantonment	
• City/Town	Ballari	
• State/UT	Karnataka	
• Pin Code	583104	
2.Institutional status		
Type of Institution	Co-education	
• Location	Urban	
• Financial Status	Self-financing	

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Name of the Affiliating University	Visvesvaraya Technological University, Belagavi	
Name of the IQAC Coordinator	Dr.Veeregangadhara swamy .TM	
Phone No.	9449950591	
Alternate phone No.	08392244809	
• Mobile	9449135047	
• IQAC e-mail address	iqacrymec@gmail.com	
Alternate e-mail address	veereshalgur@rymec.in	
3.Website address (Web link of the AQAR (Previous Academic Year)	https://rymec.in/images/IQAC/AQAR_2019-20.pdf	
4. Whether Academic Calendar prepared during the year?	Yes	
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.rymec.in/index.php/ac ademics/academic-schedule	

#### **5.**Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B++	2.77	2017	30/10/2017	29/10/2022

#### 6.Date of Establishment of IQAC 15/07/2017

### 7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Depa rtment /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institutiona 1	student project	NAIN, KSCST, V TU	2020-21	20,00,000
Faculty	Infrastructu re Devolopment	VGST	2020-21	10,00,000

8.Whether composition of IQAC as per latest NAAC guidelines	Yes	
<ul> <li>Upload latest notification of formation of IQAC</li> </ul>	View File	

3
Yes
No File Uploaded
Yes
30000

#### 11. Significant contributions made by IQAC during the current year (maximum five bullets)

1. Effective implementation of academic process. 2. Effective implementation of the process related to NAIN(New Age Incubation Network) 3. Continuing Inculcating Research Culture in the faculty and students. 4. Effective implementation of Additional skill set training to students. 5. Initiation towards internship for students.

### 12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Initiative taken to implement management Information System	Few models implemented.
Syllabus Monitoring Committee	Effective Completion of Syllabus
Conduction of International Conferences.	International Conference conducted.
Attendance Monitoring System	Percentage of Attendance of Students increased
Guidelines for preparation of Academic Calender with Dean Academics.	Effective implementation of academic process is implemented.
Usage of ICT in Teaching and Learning process	New Technologies adopted in Teaching
Guidelines follow up for R&D cell	Faculties applied for research funding and research culture of the students enhanced.
LEAD(LEader Accelerating Development) activities planned for the students.	Leadership and group working qualities of the students enhanced.
Regular Technical Workshops & Webinars to enhance the skills of the students and faculty	Skill set of the students and faculty enhanced
13.Whether the AQAR was placed before statutory body?	Yes
Name of the statutory body	
Name	Date of meeting(s)
Management	13/01/2022

#### 14. Whether institutional data submitted to AISHE

Year	Date of Submission
Yes	18/02/2020

#### **Extended Profile**

1.Programme		
1.1		513
Number of courses offered by the institution across during the year	all programs	
File Description	Documents	
Data Template		View File
2.Student		
2.1		2579
Number of students during the year		
File Description	Documents	
Data Template		<u>View File</u>
2.2		760
Number of seats earmarked for reserved category a Govt. rule during the year	s per GOI/ State	
So via rate during the year		
File Description	Documents	
	Documents	View File
File Description	Documents	View File 571
File Description Data Template		
File Description Data Template 2.3		
File Description Data Template  2.3  Number of outgoing/ final year students during the	year	
File Description  Data Template  2.3  Number of outgoing/ final year students during the  File Description	year	571
File Description Data Template  2.3  Number of outgoing/ final year students during the  File Description Data Template	year	571
File Description Data Template  2.3  Number of outgoing/ final year students during the  File Description Data Template  3.Academic	year	571  View File
File Description Data Template  2.3  Number of outgoing/ final year students during the  File Description Data Template  3.Academic  3.1	year	571  View File
File Description Data Template  2.3  Number of outgoing/ final year students during the  File Description Data Template  3.Academic  3.1  Number of full time teachers during the year	year  Documents	571  View File

Number of Sanctioned posts during the year

File Description	Documents
Data Template	<u>View File</u>

4.Institution	
4.1	68
Total number of Classrooms and Seminar halls	
4.2	478.40
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	884
Total number of computers on campus for academic purposes	

#### Part B

#### **CURRICULAR ASPECTS**

#### 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Rao Bahadur Y Mahabaleswarappa Engineering College (RYMEC) is a Visvesvaraya Technological University (VTU) affiliated college. Our faculty will review the curriculum and identify any gaps in relation to industry expectations, which they will communicate to the university via BOS for future semester updates. faculties will prepare a lesson plan after allocating thesubjects.

The college prepares and implements action plans for effective curriculum implementation in a methodical manner. To begin, the college's principal meets with the department heads on a regular basis to establish various techniques for effective curriculum implementation. The affiliating university's academic calendar serves as the foundation for planning the college semester.

Academics are prioritised in the college semester plan, which includes action plans, a start date, and a last working date.

A calendar of events for each department has been created. Following that, faculty members from various departments hold an internal staff meeting to discuss subject allocation based on expertise and establish academic plans for the current semester, such as timetables, lesson plans, and course files. Based on mandated syllabi, course outcomes (COs) are framed in coordination with the course coordinator and corresponding professors.

Apart from traditional lecture sessions, the curriculum includes pedagogy of creative methods such as presentations, assignments, handouts, e-lectures, discussions, workshops, seminars, and industrial visits, and the same is taken for permission by their Head of Department and then the Principal. Lesson plans and subject course files with syllabi, previous question papers, and Internal Assessment each faculty maintains question papers with a scheme of evaluation, internal assessment consolidated marks, and CO - PO achievement sheets for their particular topics, which are examined on a regular basis by the department review committee.

Apart from regular sessions, tutorial classes, case study presentations, Guest Lectures, and workshop hours are meant to improve students' capacity to deliver unique subjects connected to various courses of the curriculum. Remedial classes and motivational sessions are scheduled for pupils who require them in order to achieve academic achievement.

File Description	Documents
Upload relevant supporting document	<u>View File</u>
Link for Additional information	https://rymec.in/index.php/academics/academi c-schedule

### 1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Yes, institute always adheres to the academic calendar, for every semester, the college has a well-structured academic calendar that corresponds to VTU's academic calendar. The vision and mission statements, events, and departmental specific programmes for the current semester are all included in the calendar.

The full semester's timetable has been established month by month and week by week. The academic semester also includes events such as Graduation Day, College Cultural Meet, Blood Donation Camp, NSS activities, Alumni events, and Feedback Week. For the convenience of both students and staff. The timetable for the continuous internal examination (CIE) is distributed well in advance. The academic

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coordinator will then construct a subject-by-subject schedule, seating arrangements, room superintendents, and squad teams are all part of the process. The CIE is held in accordance with the university's end-of-year examination schedule. The system is made from with

- 1. Question paper and scheme preparation is based on percentage of syllabus coverage, COs, and Bloom Taxonomy levels by the respective faculty in collaboration with the course coordinator.
- 2. The Head of the Department examines and approves the question paper.

The assessment marks and attendance will reach the parent/office as soon as possible, allowing for the necessary action plan to be implemented. During all semesters, the departments rigorously adhere to meetings such as parent meetings, departmental meetings, term beginning and closing dates.

File Description	Documents
Upload relevant supporting documents	<u>View File</u>
Link for Additional information	https://rymec.in/index.php/academics/academi c-schedule

1.1.3 - Teachers of the Institution participate in | B. Any 3 of the above following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma **Courses Assessment / evaluation process of the** affiliating University

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<u>View File</u>
Any additional information	<u>View File</u>

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#### 1.2 - Academic Flexibility

### 1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

#### 1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

13

File Description	Documents
Any additional information	<u>View File</u>
Minutes of relevant Academic Council/ BOS meetings	<u>View File</u>
Institutional data in prescribed format (Data Template)	<u>View File</u>

#### 1.2.2 - Number of Add on /Certificate programs offered during the year

### 1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

11

File Description	Documents
Any additional information	<u>View File</u>
Brochure or any other document relating to Add on /Certificate programs	<u>View File</u>
List of Add on /Certificate programs (Data Template )	<u>View File</u>

### 1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

317

### 1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

317

File Description	Documents
Any additional information	<u>View File</u>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<u>View File</u>

#### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Visvesvaraya technological university offers these subjects as courses across various semesters in all undergraduate and postgraduate programmes. The examples given are Environmental Studies (10CIV18/28), Constitution of India & Professional Ethics (10CIP18/28, 18CPC39/49) for Engineering students.

Anti- Ragging Committee: Anti- Ragging Committee has been constituted to handle the issues pertaining to ragging. Any student can drop a complaint in the complain box without disclosing their identity in case of any inconvenient incident.

#### Community Orientation:

The college NSS/NCC(Human Rights) team creates awareness among the people of surrounding villages on various issues. The Institution conduct many programs such as, blood donation camps, Social awareness programs & welfare services, computer awareness program for public, especially in rural areas, organizing rally on creating awareness on cleanliness, and volunteer services to schools and villages.

#### ENVIRONMENT AND SUSTAINABILITY

The idea for Sustainable development is to create development that can be maintained and sustained without causing harm to the environment. The NSS Volunteers take up the following initiatives

The Construction of Check Dam

Environment awareness

Rain water harvest

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Swachatha program

Voting and environment awareness rally

Sports field development

Personality development

Community service

File Description	Documents
Any additional information	<u>View File</u>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	<u>View File</u>

### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

11

File Description	Documents
Any additional information	<u>View File</u>
Programme / Curriculum/ Syllabus of the courses	<u>View File</u>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<u>View File</u>
MoU's with relevant organizations for these courses, if any	<u>View File</u>
Number of courses that include experiential learning through project work/field work/internship (Data Template)	<u>View File</u>

#### 1.3.3 - Number of students undertaking project work/field work/ internships

571

File Description	Documents
Any additional information	<u>View File</u>
List of programmes and number of students undertaking project work/field work//internships (Data Template)	<u>View File</u>

#### 1.4 - Feedback System

# 1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

B. Any 3 of the above

File Description	Documents
URL for stakeholder feedback report	<u>View File</u>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<u>View File</u>
Any additional information(Upload)	<u>View File</u>

### **1.4.2 - Feedback process of the Institution may** be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	<u>View File</u>
URL for feedback report	https://rymec.in/index.php/s-feedback

#### TEACHING-LEARNING AND EVALUATION

#### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment Number Number of students admitted during the year

#### 2.1.1.1 - Number of sanctioned seats during the year

910

File Description	Documents
Any additional information	<u>View File</u>
Institutional data in prescribed format	<u>View File</u>

## 2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

#### 2.1.2.1 - Number of actual students admitted from the reserved categories during the year

350

File Description	Documents
Any additional information	<u>View File</u>
Number of seats filled against seats reserved (Data Template)	<u>View File</u>

#### 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution assess the learning levels of the students and organises special programmes for advanced learners and slow learners

Through a systematic orientation programe, the college examines the student's learning levels from the time he or she is admitted to the college.

Orientation Program: The institution hosts a Student Orientation Program for newly enrolled first-year students every year. At the start of each academic session, all newly admitted students get an annual information booklet. The brochure contains information about the faculty coordinators and their tasks, as well as anti-ragging guidelines, the Code of Conduct, upcoming activities, staff and their roles, and more.

Institution identifies the slow learner and advance learner over a year.

The assessment gaps are

• Bridge Course Assessment Observations and Mentoring Throughout the UG/ PG Program Pre-University/ UG Exam Marks

Interaction between mentors and mentees: The list of mentors and mentees is posted on the notice board by the co-coordinators and the institution's head. Mentors interact one-on-one with their mentees to learn about their academic success, sports, cultural activities, regularity, and active participation in co-curricular and extracurricular activities. The mentor also offers advice on health and stress issues involving friends/teachers. This interactive approach provides a basic grasp of student diasporas as well as a subtle distinction between academically gifted individuals and students with other interests.

Bridge courses: For some students, the transition from Pre-University to University is accompanied by a sudden blank space; bridge courses are held in required disciplines to give them confidence that they can learn and thrive in the subjects.

Special and remedial classes are organized to improve the performances, to clarify the doubts and to the re-explanation on the topic. Solved past question papers are discussed in the remedial classes and slow learners are encouraged to resolve the model paper for full 3 hours.

Strategies for Advanced Learners

Students are encouraged to get the university ranks and centum strategically by special guidance on how to solve the paper in time without putting anything optional. Special guidance is provided to do research and present paper in the State/ National/ International level Seminars/ Competitions / Events.

They are encouraged to become a Team Leader and counsel the peers in "Peer-tutoring" sessions.

This activity develops the team spirit responsibility and leadership quality among students are given the guidance to excel in the Competitive exams. Institute focus on grooming overall personality to get placements, Internships by organizing the personality development workshops and campus placements.

File Description	Documents
Link for additional Information	https://www.rymec.in/images/NAAC/SLOW_LEARNE_ RS.pdf
Upload any additional information	<u>View File</u>

#### 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2579	172

File Description	Documents
Any additional information	<u>View File</u>

#### 2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The following are the student-centered teaching-learning methods:

- Lectures & Class presentations
- Tutorials
- Lab experiments and simulations
- Assignments
- Problem based learning
- Industry visits

Academic Curriculum as prescribed by University encourages the Student centric learning approach by including ICT and media usage during lectures and classes, the workshops, Field trips, add on courses, projects, seminars, group discussions, competitions, debates, quizzes, enactments etc. Students' participation in minor and large projects, in addition to classroom teaching and laboratory experiment-based learning, empowers them to think analytically and come up with alternative answers.

The Academic Calendar, with details of Academic activities of the year/session are provided to the students at the time of orientation program in the beginning of the academic year, which outlines the commencement of classes, examination schedule, list of holidays, cultural festivals etc.

Students must complete assignments related to a comprehensive course that includes two credits of self-study. The framework for allocating projects, monitoring them, and evaluating them is in place. Rubrics for evaluating projects that cover all of the quality requirements. The level of mapping is also used to map to the proper POs. Open-ended experiments that are well-designed are used. These activities put the student's critical thinking, analysis, and design skills to the test. Virtual labs and advanced simulation tools are also used to instruct the pupils.

Industry tours, site visits, survey camps, and guest lectures on the newest themes and trends in the industry are held on a regular basis and workshops led by specialists in the field.

File Description	Documents
Upload any additional information	<u>View File</u>
Link for additional information	https://www.rymec.in/index.php/facility

### 2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Teachers use ICT enabled tools for effective teaching-learning process.

In addition to the traditional chalk-and-talk method of instruction, faculty members are exposing students to advanced information and practical learning through the use of IT-enabled learning resources such as PPT, video clippings, audio systems, and web sources. LCD/OHP/Computers are available in every classroom.

- PowerPoint presentations—Using LCDs and projectors, professors are urged to use PowerPoint presentations in their classes.
   They can also prepare successful presentations with the use of a digital library, online search engines, and websites.
- Guest lectures, professional discussions, and various competitions are often organised for students in the seminar

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and conference rooms, which are digitally equipped.

- Using GOOGLE FORMS, faculties create online quizzes for students once each lesson is completed.
- Students have access to video lectures that have been recorded for long-term study and future reference.
- With the use of various Information Communication Tools, many technical and management events such as poster creating, project presentations, business quizzes, debates, and paper presentations are organised.

The following tools are used by the Institute ICT Tools:

- Projectors- projectors are available in different classrooms/labs
- Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus and Printers are installed at Labs, HOD Cabins and all prominent places.
- 3. Photocopier machines Multifunction printers are available at all prominent places in the institute. There are 4 Photostat machines available in campus.
- 4. Scanners- Multifunction printers are available at all prominent places.
- 5. Seminar Rooms- 6 seminar halls are equipped with all digital facilities.
- 6. Auditorium- It is digitally equipped with mike, projector, cameras and computer system.
- 7. Online Classes through Zoom, Google Meet, Microsoft Team, Google Classroom)
- 8. MOOC Platform (NPTEL, Coursera, SAP, Udemy, Edx etc)
- 9. Digital Library resources.

File Description	Documents
Upload any additional information	<u>View File</u>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://www.rymec.in/index.php/ent/ict

### 2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )

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#### 2.3.3.1 - Number of mentors

175

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	<u>View File</u>
Circulars pertaining to assigning mentors to mentees	<u>View File</u>
mentor/mentee ratio	<u>View File</u>

#### 2.4 - Teacher Profile and Quality

#### 2.4.1 - Number of full time teachers against sanctioned posts during the year

175

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<u>View File</u>
Any additional information	<u>View File</u>
List of the faculty members authenticated by the Head of HEI	<u>View File</u>

### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

39

File Description	Documents
Any additional information	<u>View File</u>
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	<u>View File</u>

### 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

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#### 2.4.3.1 - Total experience of full-time teachers

#### 2049

File Description	Documents
Any additional information	<u>View File</u>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<u>View File</u>

#### 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Our Institute is affiliated to Visvesvaraya Technological University (VTU), Belagavi and approved by AICTE, New Delhi. The college has transparent and robust evaluation process in terms of frequency and variety. In order to ensure transparency in internal assessment, the system of internal assessment is communicated with the students well in time.

The performance of the students is displayed on the Notice board and communicated to the students. Personal guidance is given to the poor performing the students after their assessment. Students appearing for Second /third year are asked to deliver the seminars of the concerned subject. Topics are given by their teachers to the students to prepare for power point presentation.

For transparent and robust for internal assessment,

the following mechanisms are conducted

- Internal Examination Committee.
- Question Paper Setting.
- Conduct of Examination
- Result display
- Interaction with students regarding their internal assessment

The method of internal assessment helps the teachers to evaluate the students more appropriately. Due to internal assessment, the

interest of the student towards learning and attending the classes has been also increased. It has created the interest among the students to take active participation in various co-curricular and extra-curricular activities for their overall personality development. The seminar presentation improves the communication skills of the students which is very essential to face the interviews. In this way mechanism of internal assessment is transparent and robust.

File Description	Documents
Any additional information	<u>View File</u>
Link for additional information	
	https://www.rymec.in/index.php/academics/aca
	<u>demic-schedule</u>

### 2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

Mechanism to deal with examination related grievances is transparent, time-bound and efficient. to the students well in advance.

? To ensure proper conduct of formative tests, invigilators are assigned to each hall.

In case of any grievances regarding internal assessment, the student is free to interact with the teacher and get it resolved. The unresolved grievance, if any, is referred to the Principal or Vice Principal through the Head of the Department.

Immediately, after the unit test, the solution of the test along with question wise marking scheme is displayed on notice board within an hour after the test to maintain transparency and uniformity in the assessment of the internal tests. The faculty evaluates the papers within a week of conduction of test. The evaluated answer sheets are shown to students in class and faculty undertakes individual grievances with a student on the paper if required by the student.

At the end of the semester the average marks of both the unit-tests is calculated and verified with the students. If any discrepancies are reported by the students, then they are resolved by the faculty immediately.

#### Assignments

Faculty evaluates assignments based on the rubric which is also shared with the students. The rubric consists of criteria- timely submission, clarity, neatness, etc. The evaluated assignments are given back to students thus maintaining the transparency of the marks assigned and to resolve grievances is any.

#### Lab experiments

The experiment performed in lab by the student is immediately evaluated by the faculty and the performance marks are assigned based on the lab rubric designed by the faculty. The lab rubric is given in the lab manual which is shared with the students well in advance before the lab is conducted. The lab submissions are taken in LMS, e.g. Google classroom, great learning and the marks given by the faculty are available to the students immediately, this providing a transparent way for students to reflect on their strengths and areas of improvements.

#### Project evaluation

In a semester two internal evaluations of the project is conducted in front of the panel consisting of group of faculties. The rubric is designed for these two presentations having criteria- quality of problem formulation, literature analysis, presentation, team work, etc.

File Description	Documents
Any additional information	<u>View File</u>
Link for additional information	
	https://www.rymec.in/index.php/academics/aca
	<u>demic-schedule</u>

#### 2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

In strict compliance with the objectives of Outcome Based Education (OBE), the Program Outcomes (POS), Program Specific Outcomes (PSOS) and Course Outcomes (COS) are framed by the department offering the concerned program after rigorous consultation with all faculty and the stakeholders. After attainment of consensus, the same are widely propagated and publicized through various means such as display

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and/or communication specified hereunder.

Website

Curriculum /regulations books

Class rooms

Department Notice Boards

Laboratories

Student Induction Programs

Meetings/ Interactions with employers

Parent meet

Faculty meetings

Alumni meetings

Professional Body meetings

#### Library

File Description	Documents
Upload any additional information	<u>View File</u>
Paste link for Additional information	https://rymec.in/index.php/programs/under- graduate/computer-science-engineering-new
Upload COs for all courses (exemplars from Glossary)	<u>View File</u>

#### 2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution and the same are communicated to the students in the formal way of the discussion in the classroom and departmental notice board.

Method of assessment of POs / PSOs The program outcomes and Program Specific outcomes are assessed with the help of course outcomes of the relevant courses through direct and indirect methods. Direct

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methods are provided through direct examinations or observations of student knowledge or skills against measurable course outcomes. The knowledge and skills described by the course outcomes are mapped to specific problems on University Examination, internal exams and home assignment. Finally, program outcomes are assessed and Program Assessment Committee concludes the PO attainment level. At the end of each semester, university conducts examinations based on the result published by university the course outcomes are measured. Assignments are given at the end of each module. The assignments are provided to students and they refer the text books and good reference books to find out the answers and understand the expected outcome of the given problem.

Three internal tests are conducted per semester for the following purposes:

To ensure that students have achieved desired level of competencies at module level. To evaluate, whether corresponding COs are achieved or not. According to the performance of the student in answering each question, mapping is carried out with the respective COs for assessing the attainment level of the specific CO of the subject.

Alumni survey is an important assessment tool to find out following important factors:

Indirect once in a year Level of relevance of the curriculum with the expected skills of the industries. The level of attainment of goal for the specified program. Employer surveys are conducted for finding out whether the knowledge, skill and attitude learned from this institution is adequately satisfying their expectation or not. The objective the conducting the student exit survey is to identify several factors for future strategy framing once in a year. To understand the impact of training they understand the strength and weakness of various value added courses and pre-placement training imparted.

After measuring attainment of POs , PSOs and COs, it has been observed that the strength of the students as well as passing percentage of the students is increasing progressively. Besides, students' progression to the higher studies that is from Under Graduate to Post Graduate seems to be increasing consistently and rapidly in the last five years. In a similar way, the ratio of students' placement is also increasing. We took utmost care of measuring the level of attainment of POs, PSOs and COs and followed

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formal as well as informal mechanism for the measurement of attainment of the outcomes. Even we took feedback from all the stakeholders in this respect and try to take necessary steps accordingly

File Description	Documents
Upload any additional information	<u>View File</u>
Paste link for Additional information	https://rymec.in/index.php/nba-top?start=1

#### 2.6.3 - Pass percentage of Students during the year

### 2.6.3.1 - Total number of final year students who passed the university examination during the year

603

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<u>View File</u>
Upload any additional information	<u>View File</u>
Paste link for the annual report	https://www.rymec.in/images/NAAC/20-21_Annua l_Report_for_VTU_of_RYMEC_Ballari.pdf

#### 2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://www.rymec.in/index.php/s-feedback

#### RESEARCH, INNOVATIONS AND EXTENSION

- 3.1 Resource Mobilization for Research
- 3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)
- 3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

40.07

File Description	Documents
Any additional information	<u>View File</u>
e-copies of the grant award letters for sponsored research projects /endowments	<u>View File</u>
List of endowments / projects with details of grants(Data Template)	<u>View File</u>

### 3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

### 3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

5

File Description	Documents
List of research projects and funding details (Data Template)	<u>View File</u>
Any additional information	<u>View File</u>
Supporting document from Funding Agency	<u>View File</u>
Paste link to funding agency website	https://www.kscst.org.in/spp/44_series/Award ed%20Projects_Collegewise_SPP44s.pdf

#### 3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

### 3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

31

File Description	Documents
Report of the event	<u>View File</u>
Any additional information	<u>View File</u>
List of workshops/seminars during last 5 years (Data Template)	<u>View File</u>

#### 3.2 - Research Publications and Awards

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### 3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

#### 3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

78

File Description	Documents
Any additional information	<u>View File</u>
List of research papers by title, author, department, name and year of publication (Data Template)	<u>View File</u>

### 3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/international conference proceedings per teacher during the year

### 3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/international conference proceedings during the year

62

File Description	Documents
Any additional information	<u>View File</u>
List books and chapters edited volumes/ books published (Data Template)	<u>View File</u>

#### 3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The college organizes a number of extension activities to promote institute-neighborhoodè community to sensitize the students towards community needs. The students of our college actively participate in social service activities leading to their overall development. The college runs effectively National Service Scheme and Red cross Units. Through these units, the college undertakes various extension activities in the neighborhood community. NSS organizes a residential seven day camp in nearby adopted village and several activities were carried out by NSS volunteers addressing social issues which include cleanliness, tree plantation, water conservation through construction of Dam, road construction, Beti Bacho Beti Padhao, Environmental awareness, Women empowerment, National Integrity, Aids awareness, Blood donation camp, Health

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check up camp, Farmers meet, Awareness about farmer's suicide etc. The NSS unit of the college organizes various extension activities as tree plantation, Road safety awareness, Swachhta Abhiyan, National equality awareness. Other than NSS and NCC units, the various departments of the college is conscious about its responsibilities for shaping students into responsible citizens of the country by making students aware of social issues through various programmes like Environmental Awareness, Personal Health and Hygiene, Diet awareness, Road Safety, Tree Plantation, Voters awareness, Blood group detection ,Health check -up camps, Blood donation camps, etc. All these mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and self confidence of students. It also helped in cultivating hidden personality of students and created awareness among students

File Description	Documents
Paste link for additional information	https://www.rymec.in/index.php/nss
Upload any additional information	<u>View File</u>

- 3.3.2 Number of awards and recognitions received for extension activities from government / government recognized bodies during the year
- 3.3.2.1 Total number of awards and recognition received for extension activities from Government/government recognized bodies during the year

3

File Description	Documents
Any additional information	<u>View File</u>
Number of awards for extension activities in last 5 year(Data Template)	<u>View File</u>
e-copy of the award letters	<u>View File</u>

- 3.3.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year
- 3.3.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

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#### 13

File Description	Documents
Reports of the event organized	<u>View File</u>
Any additional information	<u>View File</u>
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	<u>View File</u>

#### 3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

## 3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/NCC/ Red Cross/ YRC etc., during the year

750

File Description	Documents
Report of the event	<u>View File</u>
Any additional information	<u>View File</u>
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<u>View File</u>

#### 3.4 - Collaboration

### 3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the-job training, research etc during the year

6

File Description	Documents
e-copies of linkage related Document	<u>View File</u>
Details of linkages with institutions/industries for internship (Data Template)	<u>View File</u>
Any additional information	<u>View File</u>

### 3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

### 3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

6

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<u>View File</u>
Any additional information	<u>View File</u>
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<u>View File</u>

#### INFRASTRUCTURE AND LEARNING RESOURCES

#### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The College encompasses a well maintained lush green campus spread over 53 acres of land ensuring adequate availability and optimal utilization of physical infrastructure for teaching learning activities.

Classrooms: college encompasses sufficient number of well-furnished, well ventilated, spacious classrooms equipped with LCD projectors for conducting theory classes.

Technology Enabled learning facility: The College has ICT Classrooms where the provision of Multimedia learning, Wi-Fi connectivity and internet access is given. Seminar Hall: The College has multiple seminar halls. These halls are regularly used for conducting national / international seminars at the college. The students are promoted for active involvement in paper presentations, group discussions, etc.

Tutorial rooms: Separate tutorial rooms are there in the college campus for tutorial lecture, doubt clarification and special remedial classes for weak and needy students.

Laboratories: All laboratories are well equipped with state of the art equipment and facilities. All the laboratories are established as per AICTE and VTU norms. These labs are utilized for conducting

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practical classes as per the requirements of the curriculum. Labs are also utilized for technology learning & training as a part of teaching contents beyond the syllabus. Labs have sufficient licensed software and open source tools to cater the requirements of curriculum & industry enabled teaching.

Wi-Fi: The entire campus is Wi-Fi enabled with 24/7 internet facilities to the students and staff.

Available band width: 100 mbps Internet facility is available in whole campus including labs, classrooms, library, offices of all Departments and hostels.

Central Library: Our central library is fully computerized by automating the issue of books with bar code reader. The library has 5346 titles covering all major fields of Science and Engineering. The library covers an area of 6385 sq. ft. with conference room and an ample study space. The central library is air-conditioned. Excellent Resources are available for self-learning at Central library Access to library and books from book bank - Library has a collection of 5346 book

- titles (76782 volumes) covering all major fields of science and engineering. Access to NPTEL Video/Web Course Membership of National Digital Library
- Local chapters of NPTEL, EdX and Coursera (access to free certifications)
- E-Consortium of VTU access to popular Digital libraries like IEEE
- Explore, Springer Nature, ASCE, ASME, Elsevier, Science Direct, Taylor Francis, JSTOR etc., National Digital Library
- Access to CBT, CDs, e-journals through multimedia computers with internet

Connectivity in order to encourage online learning- Library has 4219 international journals and 92 Indian journals. Additional eresources (www.pdfdrive.net). Access to millions of books you need, for free. Unlimited downloads. You may browse by title or author, etc.

File Description	Documents	
Upload any additional information	<u>View File</u>	
Paste link for additional information	https://www.rymec.in/index.php/ent/ict	

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### 4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Our college having a well maintained campus spread over 53 acres of serene green land. Our Management believes in the all-round development of our students. There is a lot of encouragement for the students to participate in sports and culture activities simultaneously and thus they are awarded and rewarded accordingly.

We have a spacious and well equipped Sports room, where pupils can play In door games like table tennis, chess, caroms etc.,

We have a Yoga Class room where students and faculty members do meditate and even practice yoga.

Qualified Physical Directors are been appointed to take care of day to day games and sports activities of the college.

College teams are formed to take part in state level and University level competitions and other intercollegiate competitions.

Sports event competitions are conducted in the interdepartmental level in an academic year and the winners are awarded and rewarded accordingly.

The outdoor games such as shuttle badminton, volley ball, throw ball, cricket, football, kabaddi, hand ball, kho-kho etc., are well practiced and played by the students.

#### Cultural Activities:

Students are very much encouraged to participate in the cultural events held in the college like Technical fests, Freshers, Annual Sports Day, Annual Day, Farewell etc., to exhibit cultural talents.

Students are even sent to other colleges for intercollegiate competitions like dances, skits, mimicries etc., We got some clubs/ Committees to enhance the hidden talent of the students namely: Gonna Literacy & Cultural Committee and Sports & Games Committee who play an excellent role for over all development of the student's community.

File Description	Documents	
Upload any additional information	<u>View File</u>	
Paste link for additional information	https://www.rymec.in/index.php/sports	

### 4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

5

#### 4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

40

File Description	Documents	
Upload any additional information	<u>View File</u>	
Paste link for additional information	https://www.rymec.in/index.php/ent/ict	
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<u>View File</u>	

### 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

104.77

File Description	Documents
Upload any additional information	<u>View File</u>
Upload audited utilization statements	<u>View File</u>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<u>View File</u>

#### 4.2 - Library as a Learning Resource

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#### 4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Koha, an Open Source integrated Library Management Software (LMS). Koha fully-functional library software has all the modules we would expect in- acquisition, serials, members, circulation, cataloguing, reports, and tools. The user interface is very configurable and adaptable. This library is semi automated and all books are barcoded.

Online catalogue facility is available to users through intranet linkhttp://192.168.8.9:80and internet.

Linkhttp://103.44.2.242:80/.Mobile Appis provided for users for easy access of their transactions and for OPAC.

File Description	Documents	
Upload any additional information	<u>View File</u>	
Paste link for Additional Information	https://www.rymec.in/index.php/d-bookstore	

# 4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

B. Any 3 of the above

File Description	Documents
Upload any additional information	<u>View File</u>
Details of subscriptions like e- journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<u>View File</u>

### 4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

### 4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

18.75

File Description	Documents
Any additional information	<u>View File</u>
Audited statements of accounts	<u>View File</u>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<u>View File</u>

### 4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

#### 4.2.4.1 - Number of teachers and students using library per day over last one year

35

File Description	Documents	
Any additional information	<u>View File</u>	
Details of library usage by teachers and students	<u>View File</u>	

#### 4.3 - IT Infrastructure

#### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The institute has always given priority for up-gradation of IT facilities. Regular updating is done in facilities at institute level as well as department level. The description of the same is provided below.

Internet Connection: The institute regularly updates the internet connection every year and as of now, the available internet bandwidth is 900 MBPS provided by AIRTEL that is latestrenewed in 2020.

No. of Systems and their Configuration: Total more than 905 computers for students with Processor i3 and above,

Networking Peripherals:institute has networking switch provided by DLINK of speed 1 GBPS.

Remote Centre for IIT: The audio-visual setup enables the institute to often arrange workshops conducted by IITs via video conferencing.

Licensedsoftwares: Institute has varioussoftwaresneeded for academic purposes which includes Oracle, Flash Pro, Photoshop,

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MATLAB, Microwind, NetSim, IE3D, Xilinx ISE, Proteus VSM, Orell, Creo, ANSYS, autoSIM, DOE++, AutoCAD and SolidWorks apart from basic software likeOffice, Tallyetc.

Licensed version of OS: The institute has license copies of Windows OperatingSystemand alsoworks withopen-sourceoperating systemslikeUbuntu OSand other software tools such asPostgres, Cisco packet tracer, ns2, Wireshark, python, R, CLDC wireless toolkit, open GL, Spark, Hadoop.

I/O Devices: The institute purchases printers as per the requirements given by the departments. The institute has in all 45 laser printers.

LCDProjectors: Upgrading of IT is seen in teaching learning process as OHPs in the institute have been intermittently replaced by LCD.

Plotters: The institute also has a plotter which can accommodate paper of A3 size.

Upgrading Policy: Computers in the institutes are upgraded every year by replacing certain old machines with the new ones.

Certain measures have been taken during the year 2020-21 due to pandemic for ensuring best teaching practices for students. Below is the list of those features:

Virtual Labs: Fewpracticals are being conducted using virtual labs concept of IIT (ex.Forsubject DLCOA from CEetc).

Online Lectures: The institute has licensed versions of G Suite and Microsoft Office Suite (Microsoft Teams), Google classroom and great learning LMS which the online lectures and practicals are being conducted.

File Description	Documents	
Upload any additional information	<u>View File</u>	
Paste link for additional information	https://www.rymec.in/index.php/ent/ict	

#### **4.3.2 - Number of Computers**

905

File Description	Documents	
Upload any additional information	<u>View File</u>	
Student – computer ratio	<u>View File</u>	

### 4.3.3 - Bandwidth of internet connection in the Institution

Α.	?	50MBPS
	•	

File Description	Documents
Upload any additional Information	<u>View File</u>
Details of available bandwidth of internet connection in the Institution	<u>View File</u>

#### 4.4 - Maintenance of Campus Infrastructure

### 4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

### 4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

3,33,98,393

File Description	Documents
Upload any additional information	<u>View File</u>
Audited statements of accounts.	<u>View File</u>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<u>View File</u>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

There are established systems and procedures for maintaining and utilizing physical, academic and support facilities such as laboratory, sports complex, computer, classroom etc in the institute. The maintenance of physical, academic and support facilities are carried out by the respective departments with the help of in house staff on daily basis and periodically. And care has been taken to keep the equipments, machine etc in working condition.

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In case of breakdowns standard procedure is followed to bring the equipment/machine in working condition. A supervisor is appointed to monitor and maintain the physical facilities and Housekeeping.

File Description	Documents
Upload any additional information	<u>View File</u>
Paste link for additional information	https://www.rymec.in/index.php/facility

#### STUDENT SUPPORT AND PROGRESSION

## **5.1 - Student Support**

## 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

## 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

298

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<u>View File</u>
Upload any additional information	<u>View File</u>
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<u>View File</u>

## 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

## 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

0

File Description	Documents
Upload any additional information	<u>View File</u>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<u>View File</u>

# 5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to institutional website	https://www.rymec.in/images/NSS/final lead n ss report 2020-21-compressed.pdf
Any additional information	<u>View File</u>
Details of capability building and skills enhancement initiatives (Data Template)	<u>View File</u>

## 5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

467

## 5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

467

File Description	Documents
Any additional information	<u>View File</u>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<u>View File</u>

## 5.1.5 - The Institution has a transparent

A. All of the above

mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<u>View File</u>
Upload any additional information	<u>View File</u>
Details of student grievances including sexual harassment and ragging cases	<u>View File</u>

## **5.2 - Student Progression**

## 5.2.1 - Number of placement of outgoing students during the year

## 5.2.1.1 - Number of outgoing students placed during the year

467

File Description	Documents
Self-attested list of students placed	<u>View File</u>
Upload any additional information	<u>View File</u>

## 5.2.2 - Number of students progressing to higher education during the year

## 5.2.2.1 - Number of outgoing student progression to higher education

4

File Description	Documents
Upload supporting data for student/alumni	<u>View File</u>
Any additional information	<u>View File</u>
Details of student progression to higher education	<u>View File</u>

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

4

File Description	Documents
Upload supporting data for the same	<u>View File</u>
Any additional information	<u>View File</u>

## 5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

0

File Description	Documents
e-copies of award letters and certificates	<u>View File</u>
Any additional information	<u>View File</u>
Number of awards/medals for outstanding performance in sports/cultural activities at univer sity/state/national/international level (During the year) (Data Template)	<u>View File</u>

5.3.2 - Institution facilitates students' representation and engagement in various administrative, cocurricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

The students involvement in a various academic, administrative, cocurricular and extracurricular activities such as:

- 1. Anti-Ragging Committee / High level standing Committee
- 2. Grievance Redressal Committee
- 3. Internal Complaints Committee
- 4. Internal Quality assurance cell (IQAC)

File Description	Documents
Paste link for additional information	https://www.rymec.in/index.php/aicte- grievance
Upload any additional information	<u>View File</u>

## 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

## **5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year**

0

File Description	Documents
Report of the event	<u>View File</u>
Upload any additional information	<u>View File</u>
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<u>View File</u>

## 5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The Institute has a registered Alumni Association for building strong bond between alumni and present students. The alumni give

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support to the students through interaction, financial funding, guidance and placement.

Activities and Contributions:

Alumni have donated funds to assist the Poor & Merit students of the Institution.

Alumni are included as members in the Board of studies of all departments.

They are invited for meetings at the college and they interact with their teachers and express their suggestions on curriculum revision.

Few Alumni gave Guest lecturers to the existing students on some contemporary technological developments and career guiding focuses.

File Description	Documents
Paste link for additional information	https://alumni.rymec.in
Upload any additional information	<u>View File</u>

## 5.4.2 - Alumni contribution during the year (INR in Lakhs)

B. 4 Lakhs - 5Lakhs

File Description	Documents
Upload any additional information	<u>View File</u>

#### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The institution's governance is reflective:

Principal, chairperson of several committees, teaching staff, IQAC committee, non-teaching and supporting staff, student representative (C.R.), stakeholders, and alumni make up the college's empowered team.

The principal keeps an eye on the administrative and academic processes. It also assures that the college's policies, guidelines,

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and action plans are working properly. There are numerous committees that support the college's vision and objectives. Exam cell, NSS, REDCROSS, carrier and counseling cell, library and sports committee, cultural and literacy committee, internal examination committee, anti-ragging committee, college-magazine committee, UBA and AICTE committee, disciplinary committee, scholarship committee, grievance redressal committee, and so on are just a few examples.

Every academic session, each committee takes responsibility for the plans and activities and successfully completes these tasks.

Meetings with HoDs and academics from various departments are held to discuss academic performance. In addition, the teaching progress is monitored on a monthly basis.

File Description	Documents
Paste link for additional information	https://rymec.in/index.php/about-us/about-vv- sangha
Upload any additional information	<u>View File</u>

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

RYMEC's participative management believes in decentralised leadership at all levels of administration, and a strong structure has been put in place to maintain and improve educational quality.

The Governing Council (GC) is the Apex body in charge of overseeing all of the institution's activities. Since its foundation, the GC, which consists of the College VVSangha's office bearers, Chairman of the institute and Governing body members, industry representatives, and principal, has guided the institute on a constructive path toward attaining its mission.

The Governing Council is responsible for developing a long-term strategy for the institution's growth and expansion, as well as reviewing and approving the annual budget and expenditures.

Principal, chairperson of several committees, teaching staff, IQAC committee, non-teaching and supporting staff, student representative (C.R.), stakeholders, and alumni make up the college's empowered team.

The institute has established IQAC as per National Assessment and Accreditation Council (NAAC) guidelines in 2017. The IQAC is a part of the institution's system and works towards the realization of the goals of quality enhancement and its sustenance. The IQAC ensures the effective implementation of quality initiatives through continuous reviews and periodic meetings. The IQAC works towards attaining excellence in all academic activities and for continuous improvement in the teaching-learning process.

File Description	Documents
Paste link for additional information	https://rymec.in/index.php/governing-body
Upload any additional information	<u>View File</u>

### 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/perspective plan is effectively deployed

A perspective plan is in

force in the college which takes into consideration the following aspects -

- Annual Calendar by Dean Academic
- Annual Budget Preparaiton
- AQAR
- Academic Audit
- Vision and Mission of the college
- training and placement activities
- Students' needs and
- Future plans of the college

File Description	Documents
Strategic Plan and deployment documents on the website	<u>View File</u>
Paste link for additional information	https://rymec.in/images/NAAC/Strategic_Plan.pdf
Upload any additional information	<u>View File</u>

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Governing Body: The Governing Body is responsible for the operation of all aspects of the institution including its finance, human resource, educational and research functions and infrastructure arrangements. It can develops the policies and deliberates on the Academic, financial and administrative initiatives for the future, which guides the institution to serve its stakeholders as per the mission statements of the institution.

A structured Administrative setup is functionning under the able leadership of Chairman and Principal.

Various sub committeies are functional at differentlevels. like

WOMEN'S CELL ACTIVITIES

Internal Quality Assurance Cell (IQAC)Internal Quality Assurance Cell (IQAC)

Research and Development Committee ( R & DC )Research and Development Committee ( R & DC )

Career Guidance Cell (CGC)

National Service Scheme (NSS)National Service Scheme (NSS)

College Internal Complaint Committee (CICC)

Entrepreneurship Development Cell (EDC)

Central Grievances redrassal Committee

Anti-Ragging Members,

Anti-Ragging Squad

Anti- Sexual Harassment Committee

Committee of wardens

Composition of RTI cell

above all the Hods committe ,Dean Academic and Dean Exam will function as per the Rules and regulation of the college and University.

File Description	Documents
Paste link for additional information	https://rymec.in/index.php/admin-setup-left
Link to Organogram of the Institution webpage	https://rymec.in/index.php/about-us/admin- setup
Upload any additional information	<u>View File</u>

## 6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

B. Any 3 of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	<u>View File</u>
Screen shots of user interfaces	<u>View File</u>
Any additional information	<u>View File</u>
Details of implementation of e- governance in areas of operation, Administration etc (Data Template)	<u>View File</u>

## **6.3 - Faculty Empowerment Strategies**

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff

Following are theeffective welfare measures for teaching and nonteaching staff

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- 1. Coopeartive Society in campus.
- 2.Group Insurence
- 3.Full paid Maternity Leave.
- 4. Fee concession to wards of economically weak staff
- 5. Employees Provident Fund as per PF rules.
- 6. Salary timely credited to bank account of employee
- 7.ESI facility
- 8.Earned Leaves
- 9 Compensatory Leaves

File Description	Documents
Paste link for additional information	NOTHING TO ADD
Upload any additional information	<u>View File</u>

## 6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

## 6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

7

File Description	Documents
Upload any additional information	<u>View File</u>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<u>View File</u>

## 6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

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## 6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

9

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	<u>View File</u>
Reports of Academic Staff College or similar centers	<u>View File</u>
Upload any additional information	<u>View File</u>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<u>View File</u>

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

## 6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

62

File Description	Documents
IQAC report summary	<u>View File</u>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	<u>View File</u>
Upload any additional information	<u>View File</u>
Details of teachers attending professional development programmes during the year (Data Template)	<u>View File</u>

6.3.5 - Institutions Performance Appraisal System for teaching and non-teaching staff

performance appraisal process The success of any educational

institution depends on the quality of its staff- both teaching and non-teaching. Together they play a significant role and are the backbone of the institution. Institutions cannot achieve their goals -the vision and mission- without them. To achieve the targets, the staff need to be motivated at work. The performance appraisal (PA) is one of the performance management tools that is widely used to measure the productivity of academic employees in different contexts.

The process of appraisal comprises of three parts: A. Self-appraisal format to be filled by every faculty B. Appraisal by Principal: This would also involve a review of the self-appraisal documents submitted by the faculty. C. Student Appraisal of teachers

File Description	Documents
Paste link for additional information	https://www.rymec.in/index.php/s-feedback
Upload any additional information	<u>View File</u>

#### 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. External audit is conducted once in every year by an external agency

Process of the external audit:

The accounts of the college are audited by chartered accountant regularly as per the government rules. The auditor ensures that all payments are duly authorized after the audit, the report is sent to the management for review. Any queries, in the process of audit would be attended immediately along with the supporting documents within the prescribed time limits. The institution did not come across with any major audit objection during the preceding years. All these mechanisms exhibit the transparency being maintained in financial matters and adherence to financial discipline to avoid defalcation of funds or properties of the institution at all levels. The audited statement is duly signed by the authorities of the management and chartered accountant.

File Description	Documents
Paste link for additional information	https://www.rymec.in/index.php/about- us/location
Upload any additional information	<u>View File</u>

## 6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

## 6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	<u>View File</u>
Any additional information	<u>View File</u>
Details of Funds / Grants received from of the non- government bodies, individuals, Philanthropers during the year (Data Template)	<u>View File</u>

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Funds will be mobilized through fee collected, Research funds, innovative projects funds, and also funds for infrastructure devlopment

The mechanisms used to monitor effective and efficient use of financial resources are as below:

Before the commencement of every financial year, principal submits a proposal on budget allocation, by considering the recommendations made by the heads of all the departments, to the management. College budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges etc., and non - recurring expenses like lab equipment purchases, furniture and other development expenses. The expenses will be monitored by the accounts department as per the budget allocated by the management. The depreciation costs of various things purchased in the preceding years are also worked out.

File Description	Documents
Paste link for additional information	https://www.rymec.in/index.php/about-us/iqac- main
Upload any additional information	<u>View File</u>

### 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Following are the Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement

- 1. Initiative taken to implement management Information System
- 2. Syllabus Monitoring Committee
- 3. Conduction of International Conferences.
- 4. Attendance Monitoring System
- 5. Guidelines for preparation of Academic Calendar with Dean Academics.
- 6. Usage of ICT in Teaching and Learning process
- 7. Guidelines follow up for R&D cell
- 8. MOU's with Industries and Organizations planned.
- 9. LEAD (LEader Accelerating Development) activities planned for the students.
- 10. Regular Technical Workshops to enhance the skills of the students

As per the above plan IQACInstructs the departments to implement the strategies planned to institutionalizing the quality assurance strategies and processes

File Description	Documents
Paste link for additional information	https://www.rymec.in/index.php/about-us/igac- main
Upload any additional information	<u>View File</u>

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

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IQAC conducts regular Academic audits to identify strenghts and weekness of teaching learning process .

action plan will be formulated by respective departments at the begining of the Acedemic year.

webniars on technical training throught Faculty Devolopment Programes to be conducted

strategies prepared will be executed by respective departments to achive incremental improvement in various activities

•

File Description	Documents
Paste link for additional information	https://www.rymec.in/images/IQAC/Audits_Data
Upload any additional information	<u>View File</u>

6.5.3 - Quality assurance initiatives of the
institution include: Regular meeting of
Internal Quality Assurance Cell (IQAC);
Feedback collected, analyzed and used for
improvements Collaborative quality initiatives
with other institution(s) Participation in NIRF
any other quality audit recognized by state,
national or international agencies (ISO
Certification, NBA)

#### A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.rymec.in/images/NAAC/20-21_Annua l_Report_for_VTU_of_RYMEC_Ballari.pdf
Upload e-copies of the accreditations and certifications	<u>View File</u>
Upload any additional information	<u>View File</u>
Upload details of Quality assurance initiatives of the institution (Data Template)	<u>View File</u>

#### INSTITUTIONAL VALUES AND BEST PRACTICES

#### 7.1 - Institutional Values and Social Responsibilities

### 7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Education deals with formation of habits of human beings. If so, we need education seriously to focus on promoting the equal participation of women and men in making decisions; Safety of girls is a top priority at every college campus. Nowadays, safe and supportive campus community is both an obligation and a challenge for college administrators and students. 1. CCTV Camera 24 hour CCTV surveillance is maintained in the college. It helps to keep a check on antisocial activities. 2. Counselling 2.1 Faculty mentor Faculty mentorare assigned the responsibility of mentoring and counselling of the students boys and girls both. Each mentorlooks after the matters of a group of 25-30 students. If any problem is there both boys and girls are being counselled as per their requirements individually also. 2.2 Hostel warden Hostel wardens are very much considerate and careful. They act as counsellors and guardians to the hostellers. 2.3 Women empowerment cell Women Empowerment Cell is also active in the college. It organizes various events on awareness issues. They motivate them regularly and guide them to lead a goodlife.

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File Description	Documents
Annual gender sensitization action plan	https://www.rymec.in/images/NAAC/WEMEN_CELL_opt.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.rymec.in/images/NAAC/WOMEN FACIL ITIES.pdf

# 7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensorbased energy conservation Use of LED bulbs/power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	<u>View File</u>
Any other relevant information	<u>View File</u>

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Pollution from waste is aesthetically unpleasing and results in large amounts of litter in our communities which can cause health problems. Solid waste can be categorized into three types: biodegradable, non-biodegradable and hazardous waste. Bio-degradable wastes include food wastes, canteen waste, wastes from toilets etc. Non-biodegradable wastes include plastic, tins and glass bottles etc. Hazardous waste is waste that is likely to be a threat to health or the environment like cleaning chemicals, acids and laboratory chemicals.

Each and every department of RYM Engg college as well as administrative offices create some waste and dumped in small waste bin located in the department. Each building several dust bins are placed from where housekeeping staffs take the wastes. From the small bin wastes are dumped in big bin by the housekeeping staffs regularly. From the big waste bins the car from Ballari city Corporation took the solid wastes.

RYM Engg College produces lot of paper waste. Paper wastes from Academic Blocks, Library, Administrative offices, Hostels, Guest Houses are disposed through vendors. The wastes are properly stacked in designated place and later disposed through vendors for proper waste management. RYM Engg College promotes digital platform to reduce the usage of paper for communication and sharing documents.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<u>View File</u>
Geo tagged photographs of the facilities	https://www.rymec.in/images/NAAC/E-Waste.pdf
Any other relevant information	<u>View File</u>

## 7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<u>View File</u>
Any other relevant information	<u>View File</u>

#### 7.1.5 - Green campus initiatives include

## 7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- D. Any 1 of the above
- 1. Restricted entry of automobiles
- 2. Use of Bicycles/ Battery powered vehicles
- 3. Pedestrian Friendly pathways
- 4. Ban on use of Plastic
- 5. landscaping with trees and plants

File Description	Documents
Geo tagged photos / videos of the facilities	<u>View File</u>
Any other relevant documents	<u>View File</u>

## 7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

- 7.1.6.1 The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities
- D. Any 1 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<u>View File</u>
Certification by the auditing agency	<u>View File</u>
Certificates of the awards received	<u>View File</u>
Any other relevant information	<u>View File</u>

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information:

Human assistance, reader, scribe, soft copies of reading material, screen reading

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<u>View File</u>
Policy documents and information brochures on the support to be provided	<u>View File</u>
Details of the Software procured for providing the assistance	<u>View File</u>
Any other relevant information	<u>View File</u>

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institution regularly conduct Universal Human valve program initiated by AICTE New Delhi for fresh Engineering students, which includes initiatives in providing an inclusive environment with human values. Institution also conducts different programs under the banner of NSS, Red cross Society and The Leaders Accelerating Development(LEAD), Unnat Bharat Abhiyan(UBA) and women cell.

institution conducts yoga classes to maintain good health and conducts cultural events.

more than 80% of our falcuty trained under Universal Human valve program initiated by AICTE New Delhi, which helps inturn to train students forharmony towards cultural, regional, linguistic, communal socioeconomic and other diversities

students are monitored under mentor-mentee system, where one faculty assigned to 20 students.

this system helps in total guidance towards 360 degree students devolpments.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<u>View File</u>
Any other relevant information	<u>View File</u>

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Institution conducts classes for students on constitutional obligations: values, rights, duties and responsibilities of citizens with the regular subject at 3rd semesterConstitution of India & Professional Ethics (10CIP18/28, 18CPC39/49) for Engineering students.

Institution conducts different programs under the banner of NSS, Red cross Society and The Leaders Accelerating Development(LEAD) programme, Unnat Bharat Abhiyan(UBA) and women cell, which hepls in Sensitization of students and employees of the Institution.

The institution regularly conduct Universal Human valve program initiated by AICTE New Delhi for fresh Engineering students andemployees of the Institution aretrained under Universal Human valve program initiated by AICTE New Delhi.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<u>View File</u>
Any other relevant information	<u>View File</u>

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff

4. Annual awareness programmes on Code of Conduct are organized

C. Any 2 of the above

File Description	Documents
Code of ethics policy document	<u>View File</u>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<u>View File</u>
Any other relevant information	<u>View File</u>

## 7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

institution celebrates / organizes nationaland international commemorative days, events and festivals like Independence Day, Republic Day, Gandhi Jayanti Womens Day, Engineer's Dayand Ethnic day etc,

Due to pendamic few festivals and events were not conducted.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<u>View File</u>
Geo tagged photographs of some of the events	<u>View File</u>
Any other relevant information	<u>View File</u>

#### 7.2 - Best Practices

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

#### BEST PRACTICES 1:

- 1. Title of the Practice: Energy conservation and Energy Management
- 2. Objective: To save energy and to make College campus eco-friendly.
- 3. Context: LED bulbs are 80% energy efficient compared to fluorescent bulbs. LEDs also make less wastage of energy than other conventional bulbs. LEDs however convert 95% of energy into light

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without only 5% being wasted as heat. Hence, using of LED bulbs saves energy and it is eco-friendly.

WEB SITE LINK :https://www.rymec.in/images/NAAC/BEST\_PRACTICES-1.pdf

4. Practice: From last 4 years, LED bulbs are used in College and saving energy, thereby sensitizing or making aware the students and teacher community about energy saving.

#### 5. Evidence of success

Energy conservation: The College have taken many steps to minimize energy consumption. These include:-

- Replacement of energy consuming tube light & bulb with energy saving CFL tubes & LED bulbs.
- Energy consumption in the hostel should be monitored by a committee which can successfully bring down power consumption by enlightening the inmates about the indispensability of energy saving.
- The Energy Conservation Club can conduct various programmes, discussions and campaigns to create an energy conserving mentality among the students.
- The college can foster an energy saving attitude among students and staff through various programmes, discussions and campaigns in association with GESCOM.
- College can also organize an inter departmental, power quiz for the students.

ELECTRICAL AND ELECTRONICS ENGINEEING DEPATRMENT has conducted awareness program on "DEMAND SIDE MANEGMENT AND SAETY PRECAUTIONS OF ELETRIC SHOCK'' on 4th and 5 th October 2019 in GUTTIGANUR village.

- 6. Problem Encountered and Resources Required: Conventional source of energy are scarce and depleting day by day. The increasing electricity bills also require that alternative source of energy ought to be explored.
  - Problems and Prospect: Further funds are required to augment the existing facility. Relying more on alternative source of energy will help us to make this planet more sustainable.
  - The Practice: The College has made a big stride in this desirable direction by harnessing solar energy. Solar panels have been installed on the roof tops of different buildings i.e. Arts Block, Library Building, Boys Hostel and Science

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Block having capacity of 28kw, 6 kw, 5kw and another 5kw respectively.

It is estimated that roughly 25 - 40 percent electricity consumption of the college will be fulfilled by this arrangement. The use of solar energy has resulted into substantial reduction of electricity bill. The college which was paying a hefty amount earlier is now paying only the fixed meter rent.

#### 7. Notes

Rooms have ample windows and wide doors for optimal utilization of natural light. SAVE ELECTRICITY campaigns are conducted throughout the academic year. Student volunteers of LEAD team have put up posters near the switch boards of classrooms urging users to switch off lights and fans on their way out.

USE OF LED LIGHTING: In a concerted move, traditional lights which consume a greater amount for power have been substituted by LED'S in the library and all corridors of the old block.

Dedicated work by the volunteers has ensured that students themselves switch off lights and fans when they move out of rooms, establishing a culture of energy conservation.

It is to be ensured that space for solar equipment is such that it receives ample amount of Sunlight without any hindrance from nearby buildings and trees. Second important feature of the initiative is to select the lab equipment that are energy efficient and can be integrated to the solar cell panels.

#### **BEST PRACTICES 2:**

- 1. Title of Best Practice: Google forms for formative assessment quizzes.
- 1. Objective of the practices: To collect evidences and data as to how the students understand the lecture in classroom and use that evidence to form or change what to do in next offering of the class.

- 1. The Context: An excellent tool for formative assessment is Google Forms. Good formative assessment allows you to be quickly responsive to student needs. Google Forms gives you the data from students instantly after they press submit. Google Forms has consistently been a fantastictechnology in the classroomtool for teachers to quickly gather data about student's level of understanding. Google facilitates a "Quiz" feature that allows teachers to turn their form into a self-grading quiz. Google form was used to design and conduct formative quizzes for the course Database Management System.
- 1. The Practice: Dr Anuradha SG Associate professor of department of Computer science and Engineering has designed and employed Google forms for formative assessment quizzes. Students of V semester CSE were given the Google link through the blog and whatsapp groups.

GooglequizzesLink: https://goo.gl/forms/1EmB9gfKZ1jyzS663,https://goo.gl/forms/I5RSS7ro8iVOH5jU2.

Since all student answers are together in one spreadsheet it is easy to quickly get a snapshot of how the students understand.

- 1. Evidences of success : ( Adapted from Harry G Tuttle's blog)
- Students benefit greatly from being able to take online practice quizzes. These quizzes focus on the critical lowerlevel thinking learning for the students. The students can practice these activities on online quizzes, therefore, freeing up class time for higher-level thinking activities.
- Students do not have to wonder if their answer is correct or not as they answer a question, the quiz program tells the student. Students get immediate reaction to their answer; they do not have to wait until the next class which may be 24 hours, 48 hours or more away.
- Students can read the teacher-provided strategy for improvement for each wrong answer. The students do not just know that they are incorrect but they see an explanation of how to improve. They learn how to do it correctly; they improve through formative assessment.
- Students can answer without feeling badly about having a wrong answer as can happen in a class. No other student knows.

• Students can retake a practice quiz as often as they want to improve their score. If the practice quizzes are truly formative then no mark will be recorded. Students will demonstrate their learning in class and on summative tests.

#### 6. Problem Encountered and Required:

Successful and in what areas they have demonstrated learning gaps. They can select an appropriate learning strategy for each student for class.

 Both students and teachers can see the students' progress over time as they see the online quiz scores. In addition, lecturers may notice patterns over time and can adapt their teaching and learning strategies to address students' learning gaps and misunderstandings accordingly.

File Description	Documents
Best practices in the Institutional web site	<u>View File</u>
Any other relevant information	<u>View File</u>

#### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The College has provided tremendous thrust and priority to its Program of Diversity Inclusion and Integration - an area distinctive to the Vision of the College.

The College is 100% barrier free and has 'Under One Roof' Enabling Unit and Equal Opportunity Cell. The College follows a proactive financial aid policy during Covid-19 pandemic in 2020, provided a vital support structure to conduct Online Teaching-Learning for students .

Accredation process and quality enhancement in academic is in place. Three Departmens CIVIL Engineering, Mechanical EngineeringAnd Electronics and communication Engineering applied for National Board of Accredidation, all the three Departmens got Accridated by NBA. which is one area distinctive to its priority and thrust.

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File Description	Documents
Appropriate web in the Institutional website	<u>View File</u>
Any other relevant information	<u>View File</u>

## 7.3.2 - Plan of action for the next academic year

- Increased number of Placements during the year
- To become autonomous
- Preparing IIQA to apply for Second cycle of NAAC in the month of May 2022
- Construction ofon Campus Ladies Hostel
- Conduction of FDP/Workshop/Coferences for Faculty and students toEnhance the Quality of Knowledge
- Procuring of Computers for Different Lab Requirements
- Planing to apply Electrical and Electronics Departments for National Board of Accredation

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