

The Annual Quality Assurance Report (AOAR) of the IQAC
(For Affiliated/Constituent Colleges)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, July 1, 2017 to June 30, 2018)*

Part – A

Data of the Institution

1. Name of the Institution: Rao Bahadur Y Mahabhaleswarappa Engineering College

Name of the Head of the institution: Dr. Kuppagal Veeresh

Designation: **Principal**

Does the institution function from own campus: **YES**

Phone no./Alternate phone no.: **08392-244809, 245328**

Mobile no.: **9448043949**

Registered e-mail: **principalrymec@gmail.com**

Alternate e-mail : **rymecest@gmail.com**

Address : **Cantonment, Ballari – 583104.**

City/Town : **Ballari**

State : **Karnataka**

Pin Code : **583104**

2. Institutional status:

Affiliated / Constituent: **Affiliated to Visvesvaraya Technological University, Belagavi-590018**

Type of Institution: **Co-education**

Location : **Urban**

Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing: **Self financing (2f)**
(please specify)

Name of the Affiliating University: **Visvesvaraya Technological University, Belagavi-590018**

Name of the IQAC Co-ordinator : **Dr. Veeragangadhara Swamy**

Phone no.

Alternate phone

no.

Mobile: **+91 9449950591**

IQAC e-mail address: **swamym@gmail.com**

Alternate Email address:

3. Website address:

Web-link of the AQAR: (Previous Academic Year): **www.rymec.in**

4. Whether Academic Calendar prepared during the year? Yes, if yes, whether it is uploaded in the Institutional website:

Weblink:

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	B ++	2.77	2017	from: 2017 to: 2022

6. Date of Establishment of IQAC: **15.07.2017**

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiarie
1.Seminar on Academic Audit	17-12-2018	200
2.Academic Audit Conducted	17th & 18th -12- 2018 2days	200
3.Action Plan Presentation form each Department	01-08-2018 To 08-08-2018 08 days	
4. Action Plan follow up for each Department after implementation	03-12-2018 To 08-12-2018 7days	

Note: Some Quality Assurance initiatives of the institution are: (Indicative list)

Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality

Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analyzed and used for improvements

Academic Administrative Audit (AAA) conducted and its follow up action

Participation in NIRF

ISO Certification

NBA etc.

Any other Quality Audit

8. Provide the list of funds by Central/ State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution /	Scheme	Funding agency	Year of award with duration	Amount
E&CE	KFIST-L1	DST-VGST	2017-18	20,00,000

9. Whether composition of IQAC as per latest NAAC guidelines: **Yes**10. No. of IQAC meetings held during the year: **04**

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website..... **Yes**

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

If yes, mention the amount:

Year:

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

- Effective implementation of Academic process.
- Creation of faculty skill set bank.
- Effective implementation of Additional skill set training to students.
- Inculcating Research Culture in the faculty and students.
- Initiation to start new incubation, corporate relationship cell and resource centers.

13. 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
1. Syllabus monitoring system	1. Effective completion of Syllabus.
2. Attendance monitoring system	2. Percentage of Attendance of students increased.
3. Usage of ICT in Teaching & Learning process	3. New technologies adopted in Teachings.
4. Regular Technical Work Shops to enhance the skills of the students	4. Skill set of the students enhanced.
5. LEAD initiated to students.	5. Leadership and Group working qualities of the students enhanced.
6. Forming guidelines for R&D Cell	6. Many faculty applied for Research funding, Research Culture enhanced.
7. National Cyber Safety and Security Standards Resource Centre started to give awareness towards Cyber Security.	7. Resource Centre started to give awareness in Research scope for Cyber Security and Placements for faculty and students respectively.
8. Guidelines for preparation of Academic Calendar with Dean Academic.	8. Effective implementation of academic process is implemented.
9. Conduction of International Conferences.	9. Two International Conferences were conducted.
10. Initiative taken to implement Management Information System.	10. Started implementing Management information system for Admission and Academic module.

14. Whether the AQAR was placed before statutory body? **Yes**

Name of the Statutory body: **Management**

Date of meeting(s): 14.12.2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning? **No**

Date:

16. Whether institutional data submitted to AISHE: **Yes**

Year: **2018**

Date of Submission: **01.03.2018**

17. Does the Institution have Management Information System?

Yes

If yes, give a brief description and a list of modules currently operational.

Management Information System includes following modules

1. Admission Module
2. Faculty Module
3. Student Modules
4. Faculty Bio-Metric Attendance

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	5	-	2	-
PG	6	-	2	-
UG	6	-	3	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	17	-	07	-

Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

Flexibility of the Curriculum	Yes/No
Choice Based Credit System	If yes, give details as annexure
Core	YES
Elective Option	YES

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	2(UG &PG)
Trimester	
Annual	

1.3 Feedback from stakeholders* **(On all aspects)**

	Alumni	Parents	Employers	Students
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mode of feedback :	Online	Manual	Co-operating schools (for PEI)	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

YES

1.5 Any new Department/Centre introduced during the year. If yes, give details.

NO

Criterion - II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
135	102	10	23	-

2.2 No. of permanent faculty with Ph.D.

32

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
158	0	9	13	17	0	2	0	186	13

2.4 No. of Guest and Visiting faculty and Temporary faculty

2		49
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	52	54	24
Presented	64	5	
Resource Persons	2	4	9

2.6 Innovative processes adopted by the institution in Teaching and Learning:

1. Mini project Implementation in java
2. Mini project Implementation in C# Dot Net platform using visual Studio 2017
3. Quiz (Hardcopy/google form)
4. Case studies in Computer organization 83 Days
5. Execution of java programs simple to advance
6. Applications of BMS in real life
7. Blended learning in advance technologies of computer network
8. Work sheet/case studies
9. E-R diagrams of various use case scenarios in OOMD
10. Mini project Implementation in Web programming
11. Case Studies in Management and Entrepreneur
12. Design examples and case studies in Embed computing system
13. Blended learning activity on case studies of IT Industries in the Management and Entrepreneur subject
14. Hands on experience for executing java programs
15. Case studies and application in real world , proving and disproving methods and interface
16. Problem solving in operating system
17. Mini project on python database application

2.7 Total No. of actual teaching days during this academic year

180 days

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

As Per VTU Norms

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

5

2

1

2.10 Average percentage of attendance of students

85 %

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
CSE	610	03	104	163	NIL	44.26%
E&CE	581	189	171	67	NIL	73.49%
ME	253	153	60	14	25	99.60%
CV	250	165	59	12	NIL	94.04%
E&IE	18	14	3	NIL	NIL	94.44%
MBA	21	7	10	2	NIL	90%
EEE	355	143	58	15	NIL	60.84

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

Academic Audit twice a year and Action taken Report on Academic Audit.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	5
UGC – Faculty Improvement Programme	5
HRD programmes	39
Orientation programmes	32
Faculty exchange programme	
Staff training conducted by the university	35
Staff training conducted by other institutions	12
Summer / Winter schools, Workshops, etc.	22
Others	06

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	1	6	NIL	NIL
Technical Staff	33	15	0	5

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	-
Outlay in Rs. Lakhs	-	20,00,000	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3		15000 \-	1
Outlay in Rs. Lakhs			15000 \-	5000

3.4 Details on research publications

	International	National	Others
Peer Review Journals	207	1	
Non-Peer Review Journals	35		
e-Journals	32		
Conference proceedings	97	7	

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	02 Years	VGST	20,00,000	10,00,000
Minor Projects	2017-18	KSCST, VTU FOSS	20,000/-	20,000/-
Interdisciplinary Projects	NIL	NIL	NIL	NIL
Industry sponsored	NIL	NIL	NIL	NIL
Projects sponsored by the University/ College	2017-18	VTU FOSS	5000\-	5000\-
Students research projects (other than compulsory by the University)	2017-18	KSCST	10000/-	10000/-
Any other(Specify)	NIL	NIL	NIL	NIL
Total			20,30,000\-	10,30,000\-

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS -FIST
 DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences Organized by the Institution

Level	International	National	State	University	College
Number	3				10
Sponsoring agencies	IFERP				

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs : --- 850000---

From Funding agency From Management of University/College
 Total

3.16 No. of patents received this _____ year

Type of Patent		Number
National	Applied	NIL
	Granted	NIL
International	Applied	NIL
	Granted	NIL
Commercialised	Applied	NIL
	Granted	NIL

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
3	6			1		

3.18 No. of faculty from the Institution who are Ph. D. Guides
 and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
 National level International level

3.22 No. of students participated in NCC events: NIL

University level State level
 National level International level

3.23 No. of Awards won in NSS: NIL

University level State level
 National level International level

3.24 No. of Awards won in NCC: NIL

University level State level
 National level International level

3.25 No. of Extension activities organized

University forum College forum
 NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

Sl/No	Title	Date	No of students participated
1	Collecting Food Grains To donate orphanage and Street Dog Care.	25-03-2018	30
2	Creating Awareness about Ballari Police App to the Public.	28-03-2018	40
3	Painting the Road Humps in Ballari-Bangalore Highway upto 40Kms.	30-03-2018	32
4	Donating Food Grains to Street Dog Care Home.	01-04-2018	45
5	D-Earth.	02-04-2018	34
6	Celebrating Friendship Day with Orphanage Children's.	05-08-2018	35
7	Celebrating Aug-15 By Planting the 250+ plant's in college and named as "PRUDVI YOGA".	15-08-2018	36
8	Kodagu Jothe RYMEC.	18-08-2018	35
9	Raksha Bandana With Rakshakaru.	26-08-2018	27
10	Creating Awareness About Avoid Violence Against Women.	03-09-2018	23
11	Teacher Day with Teacher.	05-09-2018	50
12	Night Alertness	06-09-2018	45
13	Gourakshane.	13-09-2018	47
14	Blood Donatation	26-09-2018	45
15	SwachhBharath .	02-10-2018	49
16	ShiraDanna(Milk Donatation).	07-10-2018	34
17	Anna Dhaan (Food Donatation).	08-10-2018	44
18	Hostel Plantation.	18-11-2018	50

19	SVEEP Activity for Moral and ethical voting	07-04-2018	34
20	Institutional Social Responsibility		
21	Extension Activity		
22	Literacy Survey Work in and around Torangallu in association JSW Tornagallu		

Criterion – IV**4. Infrastructure and Learning Resources**

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	53acres			53acres
Class rooms	45			45
Laboratories	51	1	V V SANGHA	52
Seminar Halls	4			4
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	5	2	nil	7
Value of the equipment purchased during the year (Rs. in Lakhs)	860000	313256	College	1173256
Others		2		2

4.2 Computerization of administration and library

Library RFID, Department level SMS, E-mails, Google forms

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	150817	29,46,7 86.63	7993	33,14,1 97.63	158810	3,73,67,4 10.37
Reference Books	10184	25,96,5 1.48	567	2,31,97 2.38	10751	28,28,32 3.48
e-Books	13888	460000	0	0	13888	460000
Journals	107	232500	120	257100	120	257100
e-Journals	07	996000	09	22,34,7 50.00	09	22,34,75 0.00
Digital Database	32668	4,72,50 0.00	10373	770	33438	4,72,500. 00
CD & Video	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	506	22	Yes(10 Mbps)	01	01	06	124	
Added	05							
Total	511	22	Yes (10Mbps)	01	01	06	124	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

ONE WEEK WORK SHOP ON C/C++

4.6 Amount spent on maintenance in lakhs:

i) ICT	2,30,152
ii) Campus Infrastructure and facilities	30000
iii) Equipments	205742
iv) Others	
Total :	465894

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

1. Mentoring System
2. Feedback System
3. Organising student supportive seminars/workshops
4. A-Z informal Assessment strategies:A-Z for the math classroom

5.2 Efforts made by the institution for tracking the progression

Sl.no	Event	Progression
1	Mentoring system	Personal and academic monitoring
2.	MOOC courses	The all-round development skills is provided
3.	Remedial courses	Slow learners are taken extra care in tough subjects
4.	Tutorial classes	Extra projects/assignments are given to improve technical skills
5.	AC,CSI,IFERP student chapters	To improve all technical skills
6.	Extracurricular activities, NSS, LEAD ,SVEEP	Creates social awareness and makes them morally and socially responsible

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1498	184	46	

(b) No. of students outside the state

09	NIL	1
----	-----	---

(c) No. of international students

NIL	NIL	NIL
-----	-----	-----

Men	No	%	Women	No	%
	133	28.23		338	71.77

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
24	42	35	225	0	326	08	48	39	302	0	397

Demand ratio 100% Dropout 0%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Sl.NO	Orientation Program	Resource Person	Date	No of Participants
1	Orientation Program on Gate Examination	The Gate Academy	18/08/2017	350
2	Technical Talk on Big Data Analytics	Ramanujan TCS, Bangalore	8/09/2017	100
3	Orientation Program CAT, MAT and Banking Sector	TIME, Bangalore	23/10/2017	300
4	Seminar on Study Abroad	Videsh Consultz, Bangalore	4/11/2017	300
5	Orientation Program on Abroad Studies	OES, Bangalore	25/08/2018	229
6	Orientation Program on GATE	ACE Academy Hyderabad	06/09/2018	311
7	Orientation Program	Prof Mahesh G	03/09/2018	67
8	Orientation Program	Prof Manjunath K B	25/09/2018	95

No. of students beneficiaries

311

5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	<input type="text"/>	CAT	<input type="text"/>
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text"/>	UPSC	<input type="text"/>	Others	<input type="text"/>

No. of students benefitted

311

5.6 Details of student counselling and career guidance

Sl.NO	MOOC Program	Conducted by	No of Participants
1	C2CTS1xS18: Technical Skills	IITB, Bombay	20
2	Workshop on Basic Programming Using Python	FOSSEE and IIT Bombay	23
3	Cloud Computing	NPTEL	20
4	Effective use of IT for professional activities	IITB, Bombay	65
5	Soft Skills	IITB, Bombay	65
6	Workplace Communication	IITB, Bombay	65
7	Student Seminar on "Indhan Samrakshan ki Zimmedari, Jan GAn ki Bhagidari	Indian Oil Corporation	
8	Design Aptitude Test	CADMAX Bangalore	
9	One Day Student Seminar on CAD/CAM/CAE(UG-NX)	CADMAX Bangalore	
10	One day invited talk on Reengineering- The Life Style	Sri. Swamy Chidrupananda Saraswati	
11	C-Programme training	In-House Faculties	
12	Motivational Session	Yendamoori Veerandranath	
13	One Day Work shop on Startshop on Startup Entrepreneurship & Capital Funds	Sri. Manish Kumar, VP, KAMC- B'lore	
14	One day Awareness program on Technical Publication	AAPTA in Association with Vision Software Solution	
15	Two Days work shop for Students " Industrial Safety measures and Regulations"	Mr. Shanumukha Safety Engineer, HAL B'lore & Mr. Suresh Kumar Safety Engineer, JSW Steel Ltd	
16	Two Days Works shop on CAD	CADmaxx Sloutions B'lore	
17	C-Programming	In House Faculties	
18	Awareness program on Automation technology	Vastro Faculties	

19	One day Workshop on Marine Engineering	Mr. Shivasharannaiah Swamy, Asst.Prof. REVA University B'lore	
20	Two Days Geometric Dimensions & Tolerances		
21	GTT Training for Students		
22	Nptel Courses	NAPTEL	10

No. of students benefitted

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
3471	1128	227	49
2	77	18	01

5.8 Details of gender sensitization programmes

National commission for women has conducted Legal awareness and rights for all girls students. The legal rights meant for the protection of women were made to known in detail and evaluated using questionnaires. The top three participants were rewarded by NCW,India.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	-----	-----
Financial support from government	5184	12,32,49,853
Financial support from other sources	48	48000
Number of students who received International/ National recognitions	-----	-----

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: _____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

1.1 Vision of the Institution

To produce Professionally Excellent, Knowledgeable, Globally Competitive and Socially Responsible Engineers and Entrepreneurs.

Mission of the Institution

M1	To provide quality education in Engineering and Management.
M2	To establish a continuous Industry-Institute Interaction, participation and collaboration to contribute skilled Engineers.
M3	To develop human values, social values, entrepreneurship skills and professional ethics among the technocrats.
M4	To focus on innovation and development of technologies by engaging in cutting edge research areas.

6.2 Does the Institution has a management Information System

Yes , management also involved for defining vision and mission of the institute and copy as proof attached below.

Governing council meeting -crit1 (1).pdf

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

1) CURRICULUM DEVELOPMENT IS DONE BY UNIVERSITY SUGGESTION IS SENT THROUGH B.O.E AND B.O.S

6.3.2 Teaching and Learning

- Mini project Implementation in java
- Mini project Implementation in C# Dot Net platform using visual Studio 2017
- Quiz (Hardcopy/google form)
- Case studies in Computer organization
- Execution of java programs simple to advance concepts
- Applications of BMS in real life
- Blended learning in advance technologies of computer network
- Work sheet/case studies
- E-R diagrams of various use case scenarios in OOMD
- Mini project Implementation in Web programming
- Case Studies in Management and Entrepreneur
- Design examples and case studies in Embed computing system
- Blended learning activity on case studies of IT Industries in the Management and Entrepreneur subject
- Hands on experience for executing java programs
- Case studies and application in real world , proving and disproving methods and interface
- Problem solving in operating system
- IQAC

6.3.3 Examination and Evaluation

INTERNALASSESSMENTMARKS 80:20

- There shall be a maximum of 20 Internal Assessment Marks in each theory or practical paper. For seminars, the Internal Assessment marks shall be 50.
- The Internal Assessment marks in a theory paper shall be based on two tests generally conducted at the end of 6th and 12th week of each semester. An additional test may be conducted for the desirous students before the end of the semester to give an opportunity to such students to improve their Internal Assessment Marks, subject to the provisions of 15OB 4.13. The test shall be answered in Blue Books with pages serially numbered. These blue books shall be kept in the custody of the Principal of the College until after one month from the date of announcement of the result by the University. These shall be made available to University authorities for verification as per the directions of the Registrar (Evaluation)/ Registrar.
- Average of the better marks obtained from any two tests shall be the Internal Assessment Marks for the relevant subject.
- If a student remains absent for all the Internal Assessment tests conducted, the Internal Assessment Marks shall be marked as AB for the subject against the University Seat Number (USN) of the student in the marks sheet submitted to the University by the Principal of the College.
- In the case of a Practical, the IA marks shall be based on the laboratory journals/reports and one practical test.
- The IA marks for I year Computer Aided Engineering / Drawing:
 - a) 12 marks for class work (sketching and Computer Aided engineering drawing).
 - b) 08 marks for test in the same pattern as that of the main examination (better of the two tests)The IA marks for other Drawings and Design Drawings offered by various branches shall be based on the evaluation of the sheets and one test in the ratio 60:40.
- The IA marks in the case of projects and seminars in the final year shall be based on the evaluation at the end of 8th semester by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the project / seminar guide.
- The final list, incorporating corrections (if any) of IA marks awarded to the students in the Theory/Practical/Internship/Project work/ Seminar, shall be displayed on the notice board of the college at least seven days before the closure of the semester and a certified copy of the same shall be sent by the Principals to the University Examination Section within the stipulated date. Every page of the IA marks sheet shall bear the signatures of the concerned Teacher/Teachers, Head of the Department and Principal.

- Any corrections or over writing of IA marks shall bear the signature(s) of concerned Teacher(s) and in such cases the Head of the Department shall on every sheet indicate the number of corrections and attest it with his signature.
- A student failing to secure a minimum of 50% of the IA marks in Practical/Internship/Project work shall not be eligible for the Practical/Internship/Project of the University examination.
- For seminars, the minimum requirement of IA marks shall be 40% of the maximum. Such students as mentioned in 15OB 4.10 shall repeat the laboratory work/Internship/project work during the subsequent semester(s) and secure at least the minimum marks prescribed.
- For theory subjects, there shall not be any minimum requirements of IA marks.
- Improvement of IA marks shall not be allowed
 - A). In theory subjects and
 - B). In Laboratory/Workshop/Seminar/ Internship / Project where the student has already secured the minimum required marks.
- IA marks of those students to whom 15OB 4.11 is applicable, shall be sent separately to the Registrar (Evaluation).
- IA marks shall reach the University before the commencement of examination as per the notification from the office of the Registrar(Evaluation) from time to time. After the submission of Internal Assessment marks to the University, any request for change of IA marks shall not be considered under any circumstances.

Continuous Internal Evaluation Marks60:40

- Except for Technical seminar and Project work phase -1, the CIE marks for all credit Courses, shall be 40.
- Minimum CIE marks for all theory Courses shall be 40 % of the marks prescribed for Continuous Internal Evaluation i.e., 16 marks.
- Minimum CIE marks for Practical/ Mini-project / Internship/Technical Seminar/Project work – Phase 2 shall be 50 % of the maximum marks i.e.20 marks.
- The CIE marks for Technical seminar and Project work phase -1shall be 100.
- Minimum CIE marks for Project work – Phase 1 and Technical seminar shall be 50 % of the maximum marks i.e., 50 marks.
- Minimum CIE marks for Additional Mathematics I and II, and the courses Engineering Graphics and Elements of Civil Engineering and Mechanics of the First Year Engineering) to be completed by BS.c graduates under lateral entry shall be 40 % of the marks prescribed for Continuous Internal Evaluation i.e., 16 marks.

- CIE Marks in each theory Course [including “Technical English I and II”, “Constitution of India, Professional Ethics and Human Rights”, “Environmental Studies”, “Additional Mathematics I and II”, and the courses (Engineering Graphics and Elements of Civil Engineering and Mechanics of the First Year Engineering) to be completed by B.Sc graduates under lateral entry] shall be the sum of marks prescribed for tests and assignments. Marks prescribed for tests shall be 30 and that for assignments 10.
- The CIE marks awarded for tests in the theory Course/shall be based on three tests generally conducted at the end of fifth, tenth and fifteenth week of each semester. Each test shall be conducted for a maximum of 50 marks and the final test marks shall be the average of three tests, proportionately reduced to a maximum of 30 marks.
- The remaining 10 marks shall be awarded based on the evaluation of assignments/unit tests/written quizzes that support to cover both lower and higher order thinking skills as per Bloom’s Revised Taxonomy and Course/programme outcomes.
- Final marks awarded shall be the sum of 18OB 8.2 (a) (ii) and (iii) for a maximum of 40 marks.
- The candidates shall write the tests, assignments/unit-tests /written quizzes in Blue Books which shall be preserved by the Principal/ Head of the Department for at least six months after the announcement of University results and shall be made available for verification at the direction of the Registrar (Evaluation).

Drawing/Field work Courses:

- The CIE marks awarded for I year Engineering Graphics Course shall be based on
- Class work for 24 marks (sketching and Computer Aided Engineering Drawing).
- Two Tests conducted in the same pattern as that of SEE for 16 marks (The marks secured Can be taken as best of the two tests).
- The CIE marks awarded for higher semester Drawings/ Design Drawings offered by various branches shall be based on the evaluation of the sheets and one test in the ratio 60:40.
- The CIE marks awarded for field work (like Surveying Practice) shall be based on the evaluation of the associated field work and one test in the ratio 60:40.
- Practical Courses The CIE marks awarded in case of Practical, shall be based on the weekly evaluation of laboratory journals/ reports after the conduction of every experiment and one practical test in the ratio 60:40.
- Internship The CIE marks awarded for internship, shall be based on the evaluation of Internship Report, Presentation skill and Question and Answer session in the ratio 50:25:25.
- Technical Seminar The CIE marks awarded for Technical Seminar, shall be based on the evaluation of Seminar Report, Presentation skill and Question and Answer session in the ratio 50:25:25.

- Mini - Project The CIE marks awarded for Mini - Project, shall be based on the evaluation of Mini - Project Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25. The marks awarded for Mini - Project report shall be the same for all the batch mates.

Main Project Work

- Project Work Phase – 1 The CIE marks awarded for project work phase -1, shall be based on the evaluation of project work phase -1 Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25. The marks awarded for the Project report shall be the same for all the batch mates.
- Project Work Phase - 2 The CIE marks awarded for project work phase -2, shall be based on the evaluation of project work phase -2 Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25. The marks awarded for Project report shall be the same for all the batch mates.
- Vyavaharika Kannada (Kannada for communication)/Aadalitha Kannada (Kannada for Administration)
- CIE Marks in Vyavaharika Kannada (Kannada for communication)/Aadalitha Kannada (Kannada for Administration) shall be the sum of marks prescribed for tests and assignments. Marks prescribed for tests shall be 75 and that for assignments be 25.
- The CIE marks awarded for the tests shall be based on three tests generally conducted at the end of fifth, tenth and fifteenth week of each semester. Each test shall be conducted for a maximum of 25 marks and the final CIE marks shall be the sum of the marks of all the three tests.
- The remaining 25 marks shall be awarded based on the evaluation of assignments/unit tests/written quizzes that support to cover both lower and higher order thinking skills as per Bloom's Revised Taxonomy and Course/programme outcomes.
- Final marks awarded shall be the sum of 18OB 8.2 (h) (ii) and (iii) for a maximum of 100 marks. The candidates shall write the tests, assignments/unit-tests /written quizzes in Blue Books after the announcement of University results and shall be made available for verification at the direction of the Registrar (Evaluation).

6.3.4 Research and Development

- Applied for RPS
- MBA Research centre with total 3 scholars. Thrust areas-
 - a). Employee productivity
 - b). Digital marketing
 - c). Quality of work life
 - d). Financial Analysis

6.3.5 Library, ICT and physical infrastructure / instrumentation

YES

6.3.6 Human Resource Management

YES

6.3.7 Faculty and Staff recruitment

YES

6.3.8 Industry Interaction / Collaboration

Industry Visit and MOU

6.3.9 Admission of Students

279

6.4 Welfare schemes for

Teaching	NIL
Non teaching	NIL
Students	NIL

6.5 Total corpus fund generated

NIL

6.6 Whether annual financial audit has been done

Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	√	Dr. Mohan	√	Dr. Girish
Academic	√	Dr, Mohammed Rafi, CSE, UBD T Davanagere	√	Dr. Girish
Administrative				

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

online q.p delivery ,cctv

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Permanent Affiliation for CSE Department

6.11 Activities and support from the Alumni Association

1. Alumni Meet was held on 27/10/2018
2. Alumini meet is schduled on 19/01/2019
3. conducting alumni meet intraction with alumni through website rymec.almaconnect.com

6.12 Activities and support from the Parent – Teacher Association

<p>(i) The performance of a child is discussed.</p> <p>(ii) The personal as well as academic problems of a child can be discussed jointly and efforts made to solve these problems.</p> <p>(iii) Celebration of festivals can be organised. Invite parents and community members and accept their viewpoints.</p> <p>(iv) Awarding the toppers of 1st year in presence of all parents to motivate student to achieve academic excellence</p> <p>(v) To disseminate the purpose of Outcome Based Education to the parents</p> <p>(vi) To give information regarding various committees and purpose of each committee at the department level, so that the students can discuss their problem by approaching respective committee member</p> <p>(vii) Parent teacher meet was held 15 & 22 Dec 2018</p> <p>(viii) phone call and parents meet</p>

6.13 Development programmes for support staff

Sl No	Name of the Event/Workshop/Seminar/Technical Talk	Date of the event	Resource Persons/Convenor
01	Outcome based and accreditation NITTTKR, Kolkata	24/09/2018 to 28/09/2018	Dr Urmila Kar Professor NITTTKR, Kolkata
02	TWO DAYS FDP ON MACHINE LEARNING	27/07/2018 and 28/07/2018	Prof. Ravi Kumara Professor Rayalaseem University, AP
03	2 nd INTERNATIONAL CONFERENCE on Advances in Computing Application ICACA 2018 in association with IFERP	25/04/2018 & 26/04/2018	Dr.S.G.Anuradha Associate Prof Dept of CSE RYMEC Ballari
04	Two days workshop on Ethical Hacking	7/04/2018 & 8/04/2018	Mr. Vikas Jaiswal Anvira Edustation Mumbai

05	TWO DAYS FDP ON ANGULAR JPS	22nd & 23rd Dec 2017	Jagadesh Patil, Team Leader in Theorem Technology India pvt. Ltd, Mysore
06	ARM Micro Controller & EMBEDDED SYSTEMS		
07	advice to upgrade skills		

6.14 Initiatives taken by the institution to make the campus eco-friendly

- YES
- Plantation Program on 26.01.2017
- FROM LEAD TEAM SO MANY PLANTS ARE PLANTED IN THE CAMPUS

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

1. Mini project Implementation in java
2. Mini project Implementation in C# Dot Net platform using visual Studio 2017
3. Quiz (Hardcopy/google form)
4. Case studies in Computer organization
5. Execution of java programs simple to advance concepts
6. Applications of BMS in real life
7. Blended learning in advance technologies of computer network
8. Work sheet/case studies
9. E-R diagrams of various use case scenarios in OOMD
10. Mini project Implementation in Web programming
11. Case Studies in Management and Entrepreneur
12. Design examples and case studies in Embed computing system
13. Blended learning activity on case studies of IT Industries in the Management and Entrepreneur subject
14. Hands on experience for executing java programs
15. Case studies and application in real world , proving and disproving methods and interface
16. Problem solving in operating system
17. Mini project on python database application

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Preparation of Academic Calendar
Academic Audit
E-Waste and Solid Waste Management
Upgradation of computer laboratory and internet bandwidth
Statelevel technical test conducted

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

1. Mini Project Implementation in java
2. Mini project Implementation in C# Dot Net platform using Visual Studio 2017

7.4 Contribution to environmental awareness / protection

Sl/No	Title	Date
1	Collecting Food Grains To donate orphanage and Street Dog Care.	25-03-2018
2	Creating Awareness about Ballari Police App to the Public.	28-03-2018
3	Painting the Road Humps in Ballari-Bangalore Highway upto 40Kms.	30-03-2018
4	Donating Food Grains to Street Dog Care Home.	01-04-2018
5	D-Earth.	02-04-2018
6	Celebrating Friendship Day with Orphanage Children's.	05-08-2018
7	Celebrating Aug-15 By Planting the 250+ plant's in college and named as "PRUDVI YOGA".	15-08-2018
8	KodaguJothe RYMEC.	18-08-2018
9	RakshaBandana With Rakshakaru.	26-08-2018
10	Creating Awareness About Avoid Violence Against Women.	03-09-2018
11	Teacher Day with Teacher.	05-09-2018
12	Night Alertness	06-09-2018
13	Gourakshane.	13-09-2018
14	Blood Donatation	26-09-2018
15	SwachhBharath .	02-10-2018
16	ShiraDanna(Milk Donatation).	07-10-2018
17	Anna Dhaan (Food Donatation).	08-10-2018
18	Hostel Plantation.	18-11-2018
19	One day FDP on Digital Circuit and System Application	30-07-2018
20	One Day FDP on Antenna & RADAR Application	31-07-2018
21	One Day District Level Symposioum on " Science, Engineering & Society	07-02-2018
22	Hands on training on VERILOG LAB for Govt Polytechnic Ballari	15.03.2018
23	Phoenix Green Campus	27-09-2017

7.5 Whether environmental audit was conducted?

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

a. STRENGTHS:

- CSE Department got Accreditation from NBA.
- Strong department level support for faculty research activities.
- Strong faculty qualification, talented and dedicated, knowledgeable and cooperative faculty, great collaboration and good communication among faculty.
- Doctorates, Infrastructure, journal paper reviewers, Applied Patents, MOU's

b. WEAKNESSES:

- Placement, Domain Training.
- Need to involve graduate students more in research activities.
- Courses need to be conducted in collaboration with universities and institutions.

c. OPPORTUNITIES:

- Students can be assured that they will receive education which is a balance between high academic quality and professional relevance and the needs of the corporate world are well integrated into programs, activities and processes. Students may join top foreign university for their education as the department got Accreditation.
- Industrial sponsored labs, Centre of excellence.

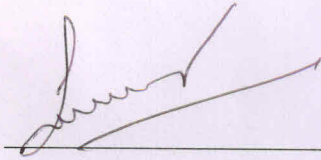
d. CHALLENGES:

- Communication skills, industry interaction.
- CET good ranking input, academic audits, competitive exam training setup.

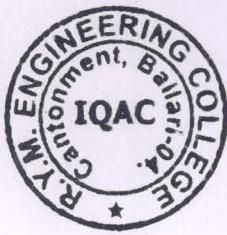
8. Plans of institution for next year

1. NBA Accreditation for 3 Departments.
To apply accreditation from NBA to Civil, E&C, E&E and Mechanical Departments.
2. CSE Department accredited from NBA for 3 years .To apply CSE programme to get 5 years of accreditation from NBA.
3. MoUs with Industries and other organisations:
Planned MoUs with local and global Industries for all the department in the area of training, research and placements.
4. MoU with TATA technologies for setting up of centre for Innovative Invention and Incubation of Technology(TIIT)
5. Inviting Industries to establish Internship centre at all the departments.
6. Creating awareness on entrepreneurship towards start-ups for students through Entrepreneur Development Cell.
7. Proposal for Independent Girls Hostel at RYMEC, Campus.

Name: Dr. Veeragangadhara Swamy TM



Signature of the Coordinator, IQAC



Name: Dr. Kuppagal Veeresh



Signature of the Chairperson, IQAC

PRINCIPAL
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Cantonment, BELLARY-583 104

