Internal Quality Assurance Cell (IQAC)

INTERNAL ACADEMIC AUDIT RAMGARH ENGINEERING COLLEGE, RAMGARH, JHARKHAND

Objective:

The first and foremost objective of Academic Audit is to encourage the departments to evaluate and analyze the teaching learning process for imparting the quality education, modification of their methodology as and when required to strive for academic excellence.

(The activities are to be graded on the following scale)

Excellent	Good	Satisfactory	Needs
			improvement
A	В	C	D

Details of Programmes in the college:

S.No.	Name of the Programme
01	B.Tech in Mechanical Engineering
02	B.Tech in Civil Engineering
03	B.Tech in Electrical Engineering
04	B.Tech in Electronics and Communication Engineering
05	B.Tech in Computer Science Engineering

The following shows the Academic Audit report for Academic Year: - 2020-21.



Internal Quality Assurance Cell (IQAC)

INTERNAL ACADEMIC AUDIT REPORT

MECHANICAL ENGINEERING DEPARTMENT RAMGARH ENGINEERING COLLEGE, RAMGARH, JHARKHAND

(ACADEMIC YEAR: - 2020-21)

Date of Audit:

29/07/21

Name and Designation of Audit Member-1: DT SUMANTA RAKSHIT, HOD (CE)

Name and Designation of Audit Member-2:

Bhashar Das (HOD) CSE.

1. Curricular Aspects

S.No.	Item	Observation	Grade	Remarks
1.1		The syllabus is designed by the Universities which include course objective and course outcomes.	A	The Institute is affiliated with two universities: 1 st , 2 nd , 3 rd , 4 th , 5 th , 6 th , Semesters are affiliated to JUT, Ranchi and 7 th & 8 th semester is affiliated to VBU, Hazaribagh.
1.2	Percentage of new courses introduced of the total number of courses across all programs	No new courses introduced.	D	
1.3	Percentage of programs in which Choice Based Credit System (CBCS)	Elective course system is present in VBU old curriculum which constitute around 8% of the total credit system.	В	% of the Elective course system is calculated by referring to the syllabus of the current academic session.
1.4	Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	Yes	A	Institute has got Women Empowerment Cell which tries to empower gender equality in different aspects of life. (Ref.: Women Empowerment Cell file)
1.5	Number of Value-added courses imparting transferable and life skills offered	5 (Extra Academic Activity, Mini Project, Project, Tour & Training, Internship)	В	The value – added courses are part of University curriculum. (Ref. : University Syllabus)
1.6	Feedback on curriculum and other	Alumni feedback	В	Feedback on curriculum from

	Parents Feedback Industrial Feedback Employer Feedback Campus Facility	stakeholders is done on Department level and the documents could be found in Departmental files, whereas feedbacks on campus facility is done on Institute level.
aspects from stakeholders		

2. Teaching - Learning and Evaluation

S.N	Item	Observation	Grade	Remarks
2.1	No. of students admitted in first year in the concerned department	21	В	Documents available with Admission In-charge
2.2	Number of full-time Teachers in the department	12	A	As stated in Criterion 5 of SAR. Document available at Institute level.
2.3	Number of students Enrolled in the department	174	В	As stated in Part A of SAR. Document available at Institute level.
2.4	Student - Full time teacher Ratio in the department	15	A	As calculated.
2.5	No. of permanent faculty with Ph.D in the department	3	С	Faculty list available at Institute level
2.6	Average teaching experience of full time teachers in years	4 years	В	As per average teaching experience calculated.
2.7	Total No. of teaching days	90(approx)	Α	Semester duration is of approximately 90 days.
2.8	Preparation and adherence to Academic Calendar and Teaching plans	Academic Calendar is prepared by Academic In-charge at the beginning of new semester and Class time table comes from Departments.	A	Documents available in Institute as well as Department files.

3. SwayamPrabba Classroom: online NPTEL Lectures 4. Selected video lectures: Encouraged to bring clear idea about another resource. 5. Digital Library Facilities – Student can access E-Books and IEEE Journals. 6. Digital teaching platform like Google Classrooms for different courses. 7. Special lecture: Providing special tutorial class for weak students. 8. Hands on training: like mini project. 9. Project based learning: Encouraged to taking up many real time project. 9. Project based learning Banagement Systems (LMS), E- learning resources, MOODLES etc. NPTEL Lectures Remedial Classes for slow Monitoring and counseling by class teacher GATE Classes for 2.12 Advanced Learners Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment,			Smart class teaching: Providing for better understanding of various concepts. 2. Power point presentation: Encouraged to bring clear idea.		Documents available at Department level.
6. Digital teaching platform like Google Classrooms for different courses. 7. Special lecture: Providing special tutorial class for weak students. 8. Hands on training: like mini project. 9. Project based learning: Encouraged to taking up many real time project. 1. Teachers using ICT for effective teaching with Learning Management Systems (LMS), Elearning resources, MOODLES etc. 1. Remedial Classes for slow learners and backlog counseling by class teacher 1. GATE Classes for GATE Classes for Advanced Learners 1. Students to the department. 1. Students of 1st year is mentored as per AICTE norms. 1. Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, 1. Smart classrooms, State of art laboratories, computer labs, Language lab., etc. available in the Institute			Classroom: online NPTEL Lectures 4. Selected video lectures: Encouraged to bring clear idea about another resource. 5. Digital Library Facilities – Student can access E-Books and		
9. Project based learning: Encouraged to taking up many real time project. Teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, MOODLES etc. Remedial Classes for slow learners and backlog 2.11 students GATE Classes for Carrier of the department. GATE Classes for 2.12 Advanced Learners Mentoring System Adequate facilities for teaching - learning, viz., classrooms, laboratories, computing equipment, P. Project based learning: Encouraged to taking up many real time project. B B Departments make sure that remedial classes are provided to weak students. This was conducted by a conducted by faculty of the department. Students of 1st year is mentored as per AICTE norms. Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, A Smart classrooms, State of art laboratories, computing equipment,			 6. Digital teaching platform like Google Classrooms for different courses. 7. Special lecture: Providing special tutorial class for weak students. 8. Hands on training: 		
Teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, MOODLES etc. Remedial Classes for slow learners and backlog students 2.11 Sudents Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, Teachers using ICT for effective teaching with Learning with Learning with Learning Management System NPTEL Lectures Departments make sure that remedial classes are provided to weak students. This was conducted by acculty of the department of		adopted in Teaching and	9. Project based learning: Encouraged to taking up many real		
Remedial Classes for slow learners and backlog 2.11 students GATE Classes for Advanced Learners Students of 1st year is mentored as per AICTE norms. Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, Remedial Classes for slow learners of the department occurseling by class to counseling by class This was conducted by faculty of the department of the department occursed by faculty		Teachers using ICT for effective teaching with Learning Management Systems (LMS), E- learning resources, MOODLES		В	
GATE Classes for 2.12 Advanced Learners This was conducted by the department. Students of 1 st year is mentored as per AICTE norms. Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, This was conducted by faculty of the department. Newly admitted students to first year B.Tech program are mentored as per AICTE norms. (Annexure I) Smart classrooms, State of art laboratories, computer labs, Language lab., etc. available in the Institute		Remedial Classes for slow learners and backlog	Monitoring and counseling by class	С	Departments make sure that remedial classes are provided to weak students.
Students of 1 st year is mentored as per AICTE 2.13 Mentoring System Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, Students of 1 st year is mentored as per AICTE A Smart classrooms, State of art laboratories, computer labs, Language lab., etc. available in the Institute		GATE Classes for	This was conducted by	В	This was conducted by faculty of the department.
Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, A Smart classrooms, State of art laboratories, computer labs, Language lab., etc. available in the Institute			Students of 1 st year is mentored as per AICTE	В	program are mentored as per AICTE norms.
1 2 14 letc. 1Yes	2.14	Adequate facilities for teaching – learning, viz., classrooms, laboratories,		A	computer labs, Language lab., etc. available in

	Advanced Research Centers		D	Should have Advanced research centers
2.15		No		
2.16	Teachers attending professional development programs	Yes	В	Faculties have attended FDP/PDT at various IITs/IIMs/NITs. Documents available in their personal files at Department level.
2.17	Organization of Guest Lectures, Industrial Visits, Workshops, etc.,	Yes	С	Guest lectures, Industrial visits, workshops, etc. are organized by Departments. (Ref.: Documents available in Departments).
2.18	Online Certification Programs	Yes	C	Students/ Faculties are in involved in several online certification program such as NPTEL/SWAYAM, Coursera, etc. (Ref.: Documents available in Departments)
2.19	Student Professional Society Chapter and Association Activities	Yes	C	Students are associated with Institution Of Engineers India (IEI) whose membership was sponsored by TEQIP (Ref.: Documents available in TEQIP cell).
2.20	Students undertaking field projects / internships	Yes	A	Internship is a part of curriculum and nearly all the students do internship as vocational training. (Ref.: Documents available with Training and Placement cell)
2.21	Dissemination of PEOs,	Yes	A	Available in Course file at Department level.
2.22	Attainment of COs, POs,	Yes	A	Available in Course file at Department level.
2.23	Online student satisfaction survey		В	Student feedback is available at Department level.

3. Research and Innovation

S.N0.	Item	Obse rvati on	Grade	Remarks
3.1	The institution has a well-defined policy for promotion of research	Yes	В	Policy is mentioned in service rule of the Institute.
3.2	The institution provides seed money to its teachers	No	D	
3.3	Teachers recognized as research guides from the department	No	D	
3.4	Sponsored research Projects and consultancy	No	D	Department is trying its best to secure sponsored research project
3.5	Workshops/seminars conductedon Intellectual Property Rights(IPR) and Industry-Academia Innovative practices	Yes	В	One number of Seminar conducted on Industry- Academia Innovative practices.
3.6	Research Publications	Yes	В	Faculties actively publishes articles in Research Journals.
3.7	No. of Faculty participated in conferences and symposia	4	В	Faculties participate in conferences time to time.
3.8	Books and chapters in edited volumes / books published, and papers in national/international Conference - proceedings.	6	В	Good number of research publications and book chapters have been published.
3.9	Revenue generated from Consultancy	No	D	
3.10	Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc.	Yes	В	Files available in Training and Placement cell.
3.11	Functional MoUs	Yes	C	Files available in Training and Placement cell.

4. Central library Facility

S.No.	Item	Obse rvati on	Grade	Remarks
4.1	Library is automated using Integrated Library Management System (ILMS)	YES	В	Central library uses KOHA as Library Management System (ILMS)
4.2	Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment	МО	D	
4.3	Does the institution have the following: e – journals, e-ShodhSindhu, Shodhganga membership, e-books, Databases	YES	В	Central Library has facility for e-journals, e-books etc. (Ref.: Documents available in Library)
4.4	Availability of digital library with a provision for remote access on intranet	YES	В	Digital library is adjacent to Central Library with a provision for remote access on intranet.
4.5	Per day usage of library by teachers and students	YES	A	The attendance is maintained in a register in the Central Library.

5. Examination Section

S.No.	Item	Observation	Grade	Remarks
5.1	Number of days from the date of last semester-end/ year- end examination till the declaration of results	60 days (approx)	A	Days are usually not defined. University declares result approximately after 60 days of the end-semester exam.
5.2	Percentage of studentcomplaints/grievances about evaluation against total number appeared in the examinations	NA	D	Students address their grievances directly to the University.
5.3	Percentage of applications for	0		No one applied for revaluation.

	revaluation leading to change in marks		В	
5.4	Result Analysis	Yes	A	The Departments analyzed the results for the session 2018-19. Remedial classes for weak students are arranged by the departments. Result Analysis report is available with the IQAC.

6. Amenities and Sports facilities

S.No.	Item	Observation	Grade	Remarks
6.1	facilities for sports, games (indoor,	Yes, All facilities of sports have there and cultural activities have been organizing by students.	В	Files available with Sports In-charge.
6.2	Awards/medals for outstandingperformance in sports, Yoga /culturalActivities at Institute level.	Yeş it is.	В	Files available with Sports In-charge.
6.3	Number of sports, Yoga and cultural activities / competitions organized at the institution level.	Every year it is organized.	В	Files available with Sports In-charge.

7. Placements and Higher Education

S.No.	Item	Observation	Grade	Remarks
7.1	Capability enhancement and development schemes	Yes	В	Employability Skill classes sponsored through TEQIP.
7.2	No of students benefited by guidance for competitive examinations and career counselling offered by the institution	49	В	GATE Coaching sponsored by TEQIP.
7.3	Number of placements of outgoing students	3	D	Data available in Training and Placement Cell.
7.4	Students Qualified in Competitive Examinations	3	D	

8. Alumni Engagement

S.No.	Item	Observation	Grade	Remarks
8.1	Alumni contributions	Yes	В	As a stake holder while finalizing Mission, Vision, identifying curriculum GAP, indirect attainment of Program Outcomes.
8.2	Alumni Association / Chapters meetings Conducted	Yes	В	Alumni meeting conducted.

9. Best Practices of the Department

S.No.	Item	Grade
9.1	Value addition by certification programs as well as technology training is focused through Skill Development Centre (APSSDC, IITB-RC, NPTEL, Spoken tutorial, SwayamPrabha).	В
9.2	Student participation in Innovation, Incubation and Entrepreneurship activities through CIIE.	D
9.3	Departmental initiative for placements in core domains other than central Training and Placement cell.	С
9.4	Alumni involvement in placement drive.	c
9.5	The course coordinator system has been continued.	В
9.6	Conduct of subject based Seminars and workshops have been continued. Involvement of students in various committees has been increased.	С
9.7	The practice of conducting Guest lectures, Industrial visits and Industrial training has been enhanced.	С
9.8	The functioning of Research groups to promote better quality research and publications has been strengthened.	С
9.9	More Practical orientation is supported through Mini-projects, Technical seminars. Industry Internship is made	A
9.10	mandatory for all students Continuous inputs from all stakeholders like Alumni, Academicians and Industry experts are taken to improve the curriculum	A
0.11	on regular basis. Participation of students in Sports, Games at National and International level, NCC, NSS activities.	A C

Suggestions for improvement:

1. Improvement require in the consultancy work

2. More no. of extra activity classes are and industrial raining is required .

3. Gender equity promotion programs should be organized by the Institute at departmental level.

4. Central library should enrich itself with some rare books/ journals etc.

Signature of AAA member 1 Jan with 29/07/21

Name: DY, SUMANTA RAKSHIT

Designation: HOD (CE)

REC, Ramgarch Address:

6294856238 Mobile No.:

Name: BHASKAR DAS

Designation: HOD (SE)

Address: REC, Ramgarh

Mobile No.: 9749275190

Internal Quality Assurance Cell (IQAC)

INTERNAL ACADEMIC AUDIT REPORT

CIVIL ENGINEERING DEPARTMENT RAMGARH ENGINEERING COLLEGE, RAMGARH, JHARKHAND

(ACADEMIC YEAR: - 2020-21)

Date of Audit: 29 7 2021

Name and Designation of Audit Member-1:

BHASKAR DAS, HOD CSE.

Name and Designation of Audit Member-2: Dr. BRAJECH ICUMAR
Associate projector
ECE De partenent

1. Curricular Aspects

Item	Observation	Remarks
Curricula developed /adopted have relevance to the local/ national /regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all programs Offered by all department.	The syllabus is designed by the Universities which include course objective and course outcomes.	The Institute is affiliated with two universities: 1 st , 2 nd , 3 rd , 4 th , 5 th , 6 th Semester is affiliated to JUT, Ranchi and, 7 th & 8 th semester is affiliated to VBU, Hazaribagh.
Percentage of new courses introduced of the total number of courses across all programs	No new courses introduced.	
Percentage of programs in which Choice Based Credit System (CBCS) / Elective course system has been implemented	Elective course system is present in VBU old curriculum which constitute around 8% of the total credit system.	% of the Elective course system is calculated by referring to the syllabus of the current academic session.
Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum		Institute has got Women Empowerment Cell which tries to empower gender equality in different aspects of life. (Ref. : Women Empowerment Cell file)
Number of Value-added courses imparting transferable and life skills offered	5 (Extra Academic Activity, Mini Project, Project, Tour & Training, Internship)	The value – added courses are part of University curriculum. (Ref. : University Syllabus)
	Curricula developed /adopted have relevance to the local/ national /regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all programs Offered by all department. Percentage of new courses introduced of the total number of courses across all programs Percentage of programs in which Choice Based Credit System (CBCS) / Elective course system has been implemented Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum Number of Value-added courses imparting transferable and life skills	Curricula developed /adopted have relevance to the local/ national /regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all programs Offered by all department. Percentage of new courses introduced of the total number of courses across all programs Percentage of programs in which Choice Based Credit System (CBCS) Elective course system has been implemented Elective course system is present in VBU old curriculum which constitute around 8% of the total credit system. Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum Number of Value-added courses imparting transferable and life skills The syllabus is designed by the Universities which include course objective and course objective and course objective and course outcomes. No new courses introduced. No new courses introduced. No new courses introduced.

aspects from stakeholders	Parents Feedback Industrial Feedback Employer Feedback Campus Facility	stakeholders is done on Department level and the documents could be found in Departmental files, whereas feedbacks on campus facility is done on Institute level.

2. Teaching - Learning and Evaluation

S.No.	Item	Observation	Remarks
2.1	No. of students admitted in first year in the concerned department	29	Documents available with Admission In-charge
2.2	Number of full-time Teachers in the department	08	As stated in Criterion 5 of SAR. Document available at Institute level.
2.3	Number of students Enrolled in the department	200	As stated in Part A of SAR. Document available at Institute level.
2.4	Student - Full time teacher Ratio in the department	25	As calculated.
2.5	No. of permanent faculty with Ph.D in the department	03	Faculty list available at Institute level
2.6	Average teaching experience of full time teachers in years	4 years	As per average teaching experience calculated.
2.7	Total No. of teaching days	90(approx)	Semester duration is of approximately 90 days.
2.8	Preparation and adherence to Academic Calendar and Teaching plans	Academic Calendar is prepared by Academic Incharge at the beginning of new semester and Class time table comes from Departments.	Documents available in Institute as well as Department files.

		Smart class teaching: Providing for better understanding of various concepts. 2. Power point presentation: Encouraged to bring clear idea. 3. Swayam Prabha Classroom: online NPTEL Lectures 4. Selected video lectures: Encouraged to bring clear idea about another resource. 5. Digital Library Facilities – Student can access E-Books and IEEE Journals. 6. Digital teaching platform like Google Classrooms for different courses. 7. Special lecture: Providing special tutorial class for weak students. 8. Hands on training: like mini project.	Documents available at Department level.
2.9	Innovative processes adopted in Teaching and Learning	9. Project based learning: Encouraged to taking up many real time project.	
2.10	Teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning		
2.10	Remedial Classes for slow learners and backlog	Monitoring and	Departments make sure that remedial classes are provided to
2.11	students	teacher	weak students.
2.12	GATE Classes for Advanced Learners	It was provided for 2015-19, 2016-20 and 2017-21 batch students.	The GATE Coach provided the GATE classes for advanced learners which was sponsored by TEQIP.
2.13	Mentoring System	Students of 1 st year is mentored as per AICTE norms.	Newly admitted students to first year B.Tech program are mentored as per AICTE norms. (Annexure I)
2.14	Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, etc.		Smart classrooms, State of art laboratories, computer labs, Language lab., etc. available in the Institute
2,1,1	Advanced Research Centers		Should have Advanced research centers
2.15		No	

	Teachers attending professional development		Faculties have attended FDP/PDT at various IITs/IIMs/NITs. Documents available in their personal files at
2.16	programs	Yes	Department level. Guest lectures, Industrial visits,
2.17	Organization of Guest Lectures, Industrial Visits, Workshops, etc.,	Yes	workshops, etc. are organized by Departments. (Ref.: Documents available in Departments).
2.18	Online Certification Programs	Yes	Students/ Faculties are in involved in several online certification program such as NPTEL/ SWAYAM, Coursera, etc. (Ref.: Documents available in Departments)
2.19	Student Professional Society Chapter and Association Activities	Yes	Students are associated with Institution Of Engineers India (IEI) whose membership was sponsored by TEQIP (Ref.: Documents available in TEQIP cell).
2.20	Students undertaking field projects / internships	Yes	Internship is a part of curriculum and nearly all the students do internship as vocational training. (Ref.: Documents available with Training and Placement cell)
11185	Dissemination of PEOs,		Available in Course file at
2.21	POs, PSOs, COs	Yes	Department level.
2.22	Attainment of COs, POs, PSOs	Yes	Available in Course file at Department level.
2.23	Online student satisfaction survey	Yes	Student feedback is available at Department level.

3. Research and Innovation

S.N0.	Item	Observation	Remarks
3.1	The institution has a well-definedpolicy for promotion of research	Yes	Policy is mentioned in service rule of the Institute.
3.2	The institution provides seed money to its teachers	No	
3.3	Teachers recognized as researchguides from the department	No	
3.4	Sponsored research Projects and consultancy	No	Department is trying its best to secure sponsored research project
3.5	Workshops/seminars conductedon Intellectual Property Rights(IPR) and Industry-Academia Innovative practices	Yes	Two numbers of 1-Day webinars were conducted in July 2020 and March 2021.
3.6	Research Publications	Yes	Faculties actively publishes articles in Research Journals.
3.7	No. of Faculty participated in conferences and symposia	NA	Faculties participate in conferences time to time. However, no one have participated in year 2021.
3.8	Books and chapters in edited volumes / books published, and papers in national/international Conference - proceedings.	NA	Good number of research publications and book chapters have been published in previous academic year.
3.9	Revenue generated from Consultancy	No	In a process of generation of revenue. Consultancy service has been started in the Institute and is on verge to generating the revenue.
3.10	Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc.	Yes	Files available in Training and Placement cell.
3.11	Functional MoUs	Yes	Files available in Training and Placement cell.

4. Central library Facility

S.No.	Item	Observation	Remarks
4.1	Library is automated using Integrated Library Management System (ILMS)	YES	Central library uses KOHA as Library Management System (ILMS)
4.2	Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment	NO	
4.3	Does the institution have the following: e – journals, e-ShodhSindhu, Shodhganga membership, e-books, Databases	YES	Central Library has facility for e-journals, e-books etc. (Ref.: Documents available in Library)
4.4	Availability of digital library with a provision for remote access on intranet	YES	Digital library is adjacent to Central Library with a provision for remote access on intranet.
4.5	Per day usage of library by teachers and Students	YES	The attendance is maintained in a register in the Central Library.

5. Examination Section

S.No.	Item	Observation	Remarks
5.1	Number of days from the date of last semester-end/ year- end examination till the declaration of results	60 days (approx)	Days are usually not defined. University declares result approximately after 60 days of the end-semester exam.
5.2	Percentage of student complaints/grievances about evaluation against total number appeared in the Examinations	NA	Students address their grievances directly to the University.
5.3	Percentage of applications for revaluation leading to change in marks	0	No one applied for revaluation.
5.4	Result Analysis		The Departments analyzed the

		results for the session 2019-20. Remedial classes for weak students are arranged by the departments. Result Analysis report is available with the IQAC
	Yes	

6. Amenities and Sports facilities

S.No.	Item		Remarks	
6.1 The institution has adequate facilities for sports, games (indoor, outdoor, gymnasium, yoga centre etc.,) and cultural activities		Yes, All facilities of sports have there and cultural activities have been organizing by students.		
6.2	Awards/medals for outstanding performance in sports, Yoga /culturalActivities at Institute level.		Files available with Sports Incharge.	
6.3	Number of sports, Yoga and cultural activities / competitions organized at the institution level.		Files available with Sports Incharge.	

7. Placements and Higher Education

S.No.	Item	Observation	Remarks
7.1	Capability enhancement and development schemes	NA	Employability Skill classes sponsored through TEQIP were provided till academic year 2019-20.
7.2	No of students benefited by guidance for competitive examinations and career counselling offered by the institution	08	GATE Coaching sponsored by TEQIP were provided till academic year 2019-20. However, students of batch 2017-21 also attended (in 3 rd year) this Gate Coaching and got benefitted.
7.3	Number of placements of outgoing students	NA	Data available in Training and Placement Cell.
7.4	Students Qualified in Competitive Examinations	08	Through GATE coaching provided by the Institute 08 number of students got qualified.

8. Alumni Engagement

S.No.	Item	Observation	Remarks
8.1	Alumni contributions	Yes	As a stake holder while finalizing Mission, Vision, identifying curriculum GAP, indirect attainment of Program Outcomes.
8.2	Alumni Association / Chapters meetings Conducted	Yes	Alumni meeting conducted.

9. Best Practices of the Department

S.No.	Items	Grade
9.1	Value addition by certification programs as well as technology training is focused through Skill Development Centre (APSSDC, IITB-RC, NPTEL, Spoken tutorial, Swayam Prabha).	В
9.2	Student participation in Innovation, Incubation and Entrepreneurship activities through CIIE.	c
9.3	Departmental initiative for placements in core domains other than central Training and Placement cell.	D
9.4	Alumni involvement in placement drive.	c
9.5	The course coordinator system has been continued.	C
9.6	Conduct of subject based Seminars and workshops have been continued. Involvement of students in various committees has been increased.	В
9.7	The practice of conducting Guest lectures, Industrial visits and Industrial training has been enhanced.	C
9.8	The functioning of Research groups to promote better quality research and publications has been strengthened.	D
9.9	More Practical orientation is supported through Mini-projects, Technical seminars.	В
0.10	Industry Internship is made	
9.10	mandatory for all students Continuous inputs from all stakeholders like Alumni, Academicians and Industry experts are taken to improve the curriculum	C
9.11	on regular basis. Participation of students in Sports, Games at National and International	В
9.12	level, NCC, NSS activities.	В

Suggestions for improvement:

1. More number of faculties should attend conferences/symposia (offline/online).

2. Number of students have declined who have qualified GATE exam, so some emphasize should be given on such type of exams.

3. Department should come up with consultancy work.

Signature of AAA member 1 29/7/2021

BHASKAR DAS Name:

Designation: HO) CSE

REC, Rangarh Address:

Mobile No.: 9749275190

Signature of AAA member 2 Rminh

Name: Dr. Brajuh I cumaro

Designation: Associate professor

Address: Rec coren pus

Mobile No.: 9798490798

Internal Quality Assurance Cell (IQAC)

INTERNAL ACADEMIC AUDIT REPORT

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT RAMGARH ENGINEERING COLLEGE, RAMGARH, JHARKHAND

(ACADEMIC YEAR: - 2020-21)

Date of Audit:

29/07/21

Name and Designation of Audit Member-1: DT. SUMANTA RAKSHIT, HOD (CE)

Name and Designation of Audit Member-2: BHASKAR DAS, HOD (CSE)

1. Curricular Aspects

S.No			Grade	
•	Item	Observation		Remarks
1.1	Curricula developed /adopted have relevance to the local/ national /regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all programs Offered by all department.		Α	The Institute is affiliated with two universities: 1 st & 2 nd Semester is affiliated to JUT, Ranchi and 3 rd , 4 th , 5 th , 6 th , 7 th & 8 th semester is affiliated to VBU, Hazaribagh.
1.2	Percentage of new courses introduced of the total number of courses across all programs	No new courses introduced.	D	
1.3		Elective course system is present in VBU old curriculum which constitute around 8% of the total credit system.	В	% of the Elective course system is calculated by referring to the syllabus of the current academic session.
.4	Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	Yes	В	Institute has got Women Empowerment Cell which tries to empower gender equality in different aspects of life. (Ref. : Women Empowerment Cell file)
.5	Number of Value-added courses	5 (Extra Academic Activity, Mini	С	The value – added courses are part of University curriculum. (Ref. : University Syllabus)

	imparting transferable and life skills offered	Project, Project, Tour & Training, Internship)		
1.6	Feedback on curriculum and other aspects from stakeholders	Alumni feedback Parents Feedback Industrial Feedback Employer Feedback Campus Facility	В	Feedback on curriculum from stakeholders is done on Department level and the documents could be found in Departmental files, whereas feedbacks on campus facility is done on Institute level.

2. Teaching - Learning and Evaluation

S.No	Item	Observation	Grade	Remarks
2.1	No. of students admitted in first year in the concerned department	12	В	Documents available with Admission In-charge
2.2	Number of full-time Teachers in the department	14	A	As stated in Criterion 5 of SAR. Document available at Department level.
2.3	Number of students Enrolled in the department	118	В	As stated in Part A of SAR. Document available at Institute level.
2.4	Student - Full time teacher Ratio in the department	8.4	A	As calculated.
2.5	No. of permanent faculty with Ph.D in the department	120000	С	Faculty list available at Institute level
2.6	Average teaching experience of full time teachers in years	9.3 years	В	As per average teaching experience calculated.
2.7	Total No. of teaching days	90(approx)	A	Semester duration is of approximately 90 days.
	Preparation and adherence to Academic Calendar and Teaching	Academic Calendar is prepared by Academic In- charge at the beginning of new semester and Class time table comes from	A	Documents available in Institute as well as Department files.
2.8	plans	Departments.		

		Smart class teaching: Providing for better understanding of various concepts. 2. Power point presentation: Encouraged to		Documents available at Department level.
		bring clear idea. 3. Swayam Prabha Classroom: online NPTEL Lectures 4. Selected video lectures:		
		Encouraged to bring clear idea about another resource. 5. Digital Library Facilities – Student can access E-Books		
		and IEEE Journals. 6. Digital teaching platform like Google Classrooms for		
		different courses. 7. Special lecture: Providing special tutorial class for weak students. 8. Hands on training: like mini project.		
	Innovative processes adopted in Teaching and	9. Project based learning: Encouraged to taking up many		
2.9	Learning Teachers using ICT for effective teaching with Learning Management Systems (LMS), Elearning resources, MOODLES etc.	real time project. NPTEL Lectures	В	
2.11	Remedial Classes for slow learners and backlog	Monitoring and counseling by class teacher	С	Departments make sure that remedial classes are provided to weak students.

GATE Classes for	years.		The GATE Academy provided the GATE classes for advanced learners which was sponsored by TEQIP.
	Students of 1 st year is mentored as per AICTE	В	Newly admitted students to first year B.Tech program are mentored as per AICTE norms. (Annexure I)
Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment,		A	Smart classrooms, State of art laboratories, computer labs, Language lab., etc. available in the Institute
etc. Advanced Research Centers	Yes	D	Should have Advanced research centers
	No		
Teachers attending professional development programs	Yes	В	Faculties have attended FDP/PDT at various IITs/IIMs/NITs. Documents available in their personal files at Department level.
Organization of Guest Lectures, Industrial Visits,	Yes	С	Guest lectures, Industrial visits, workshops, etc. are organized by Departments. (Ref.: Documents available in Departments).
Online Certification Programs	Yes	С	Students/ Faculties are in involved in several online certification program such as NPTEL/SWAYAM, Coursera, etc. (Ref.: Documents available in Departments)
Student Professional Society Chapter and Association Activities		С	Students are associated with Institution Of Engineers India (IEI) whose membership was sponsored by TEQIP (Ref.: Documents available in TEQIP cell).
Students undertaking field projects	Yes	A	Internship is a part of curriculum and nearly all the students do internship as vocational training. (Ref.: Documents available with Training and Placement cell)
Dissemination of PEOs,		A	Available in Course file at
POs, PSOs, COs	Yes		Department level.
Attainment of COs, POs,	Ves	A	Available in Course file at Department level.
Online student satisfaction		В	Student feedback is available at Department level.
	Mentoring System Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, etc. Advanced Research Centers Teachers attending professional development programs Organization of Guest Lectures, Industrial Visits, Workshops, etc., Online Certification Programs Student Professional Society Chapter and Association Activities Students undertaking field projects / internships Dissemination of PEOs, POs, PSOs, COs Attainment of COs, POs, PSOs Online student satisfaction	GATE Classes for Advanced Learners Representation of PEOs, Pos, PSOs Online Students of PSI years is mentored as per AICTE norms. Students of 1st year is mentored as per AICTE norms. Students of 1st year is mentored as per AICTE norms. Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, etc. Advanced Research Centers No Teachers attending professional development programs Organization of Guest Lectures, Industrial Visits, Workshops, etc., Yes Online Certification Programs Yes Student Professional Society Chapter and Association Activities Students undertaking field projects / internships Dissemination of PEOs, POs, PSOs, COs Attainment of COs, POs, PSOs Online student satisfaction	Advanced Learners Table 2015-19 batch Students of 1st year is mentored as per AICTE norms.

3. Research and Innovation

S.NO.	Item	Observation	Grade	Remarks
3.1	The institution has a well- defined policy for promotion of research	Yes	В	Policy is mentioned in service rule of the Institute.
3.2	The institution provides seed money to its teachers	No	D	
3.3	Teachers recognized as research guides from the department	No	D	
3.4	Sponsored research Projects and consultancy	Yes	D	CRS Project funded by TEQUIP and MHRD
3.5	Workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices	Yes	В	One number of Seminar conducted on Industry-Academia Innovative practices.
3.6	Research Publications	Yes	В	Faculties actively publishes articles in Research Journals.
3.7	No. of Faculty participated in conferences and symposia	3	В	Faculties participate in conferences time to time.
3.8	Books and chapters in edited volumes / books published, and papers in national/international Conference - proceedings.	3	В	Good number of research publications and book chapters have been published.
3.9	Revenue generated from Consultancy	No	D	
3.10	Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc.	Yes	В	Files available in Training and Placement cell.
3.11	Functional MoUs	Yes	С	Files available in Training and Placement cell.

4. Central library Facility

S.No.	Item	Observation	Grade	Remarks
4.1	Library is automated using Integrated Library Management System (ILMS)	YES	В	Central library uses KOHA as Library Management System (ILMS)
4.2	Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment	NO	D	
4.3	Does the institution have the following: e – journals, e-ShodhSindhu, Shodhganga membership, e-books, Databases	YES	В	Central Library has facility for e-journals, e-books etc. (Ref.: Documents available in Library)
4.4	Availability of digital library with a provision for remote access on intranet	YES	В	Digital library is adjacent to Central Library with a provision for remote access on intranet.
4.5	Per day usage of library by teachers and students	YES	A	The attendance is maintained in a register in the Central Library.

5. Examination Section

S.No.	Item	Observation	Grade	Remarks
5.1	Number of days from the date of last semester-end/ year- end examination till the declaration of results	60 days (approx)	Α	
5.2	Percentage of student complaints/grievances about evaluation against total number appeared in the examinations	NA	D	
5.3	Percentage of applications for revaluation	0		

	leading to change in marks	В	
			The Departments analyzed the results for the session 2018-19. Remedial classes for weak students are arranged by the departments. Result Analysis report is available with the IQAC
5.4	Result Analysis	Yes	

6. Amenities and Sports facilities

S.No.	Item	Observation	Grade	Remarks
6.1	The institution has adequate facilities for sports, games (indoor, outdoor, gymnasium, yoga Centre etc.,) and cultural activities	Yes, All facilities of sports have there and cultural activities have been organizing by students.		Files available with Sports In-charge.
6.2	Awards/medals for outstanding performance in sports, Yoga /cultural Activities at Institute level.	Yes it is.	В	Files available with Sports In-charge.
6.3	Number of sports, Yoga and cultural activities / competitions organized at the institution level.	Every year it is organized.	В	Files available with Sports In-charge.

7. Placements and Higher Education

S.No.	Item	Observation	Grade	Remarks
7.1	Capability enhancement and development schemes	Yes	В	Employability Skill classes sponsored through TEQIP.
7.2	No of students benefited by guidance for competitive examinations and career counselling offered by the institution	Presently they are in final semester	В	GATE Coaching sponsored by TEQIP.
7.3	Number of placements of outgoing students	yes		Data available in Training and Placement Cell.
7.4	Students Qualified in Competitive Examinations		D	Through GATE coaching provided by the Institute 08 number of students got qualified from the department.

8. Alumni Engagement

S.No.	Item	Observation	Grade	Remarks
8.1	Alumni contributions	Yes	В	As a stake holder while finalizing Mission, Vision, identifying curriculum GAP, indirect attainment of Program Outcomes.
8.2	Alumni Association / Chapters meetings Conducted	Yes	В	Alumni meeting conducted.

9. Best Practices of the Department

S.No.	Item	Grade
9.1	Value addition by certification programs as well as technology training is focused through Skill Development Centre (APSSDC, IITB-RC, NPTEL, Spoken tutorial, Swayam Prabha).	В
9.2	Student participation in Innovation, Incubation and Entrepreneurship activities through CIIE.	D
9.3	Departmental initiative for placements in core domains other than central Training and Placement cell.	C
9.4	Alumni involvement in placement drive.	c
9.5	The course coordinator system has been continued.	В
9.6	Conduct of subject based Seminars and workshops have been continued. Involvement of students in various committees has been increased.	c
9.7	The practice of conducting Guest lectures, Industrial visits and Industrial training has been enhanced.	С
9.8	The functioning of Research groups to promote better quality research and publications has been strengthened.	c
).9	More Practical orientation is supported through Mini-projects, Technical seminars.	A
9.10	Industry Internship is made mandatory for all students	A
).11	Continuous inputs from all stakeholders like Alumni, Academicians and Industry experts are taken to improve the curriculum on regular basis.	A
0.12	Participation of students in Sports, Games at National and International level, NCC, NSS activities.	c

Suggestions for improvement:

1. Electronics based skill development program organized by department for revenue generation.

2. Organization of workshop related drone and Arduino based for intermediate students

3. Remedial classes for weak/ slow learners should be arranged by the department.

4. Gender equity promotion programs should be organized by the Institute at departmental level.

5. Central library should enrich itself with some rare books/ journals etc.

Signature of AAA member 1

Jon with 29/04/21

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Signature of AAA member 2 297 291

Name: BHASKAR DAS

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Internal Quality Assurance Cell (IQAC)

ACADEMIC AUDIT REPORT

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT RAMGARH ENGINEERING COLLEGE, RAMGARH, JHARKHAND

(ACADEMIC YEAR: - 2020-21)

29/07/21

Name and Designation of Audit Member-1: DY. SUMANTA RAKSHIT, HOD (CE).

Name and Designation of Audit Member-2: Dr. BRAJECH (cum AR
Associate profession
Department ECE

1. Curricular Aspects

S.No.	Item	Observation	Grade	Remarks
1.1	Curricula developed /adopted have relevance to the local/ national /regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all programs Offered by all department.	The syllabus is designed by the Universities which include course objective and course outcomes.	A	The Institute is affiliated with two universities: 1 st & 2 nd Semester is affiliated to JUT, Ranchi and 3 rd , 4 th , 5 th , 6 th , 7 th & 8 th semester is affiliated to VBU Hazaribagh.
1.2	Percentage of new courses introduced of the total number of courses across all programs	No new courses introduced.	D	
1.3	Percentage of programs in whichChoice Based Credit System (CBCS) / Elective course system has been implemented	Elective course system is present in VBU old curriculum which constitute around 8% of the total credit system.	В	% of the Elective course system is calculated by referring to the syllabus of the current academic session.
1.4	Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	Yes	A	Institute has got Women Empowerment Cell which tries to empower gender equality in different aspects of life. (Ref. : Women Empowerment Cell file
1.5	Number of Value-added courses imparting transferable and life skills offered	4(Extra Academic Activity, Mini Project, Project, Internship)	В	The value – added courses are part of University curriculum. (Ref. : University Syllabus)
1.6	Feedback on curriculum and other	Alumni feedback Parents Feedback	В	Feedback on curriculum from stakeholders is done on

	Industrial Feedback Employer	Department level and the documents could be found in Departmental files, whereas
	Feedback Campus Facility	feedbacks on campus facility is done on Institute level.
aspects from stakeholders		

2. Teaching - Learning and Evaluation

S.No.	Item	Observation	Grade	Remarks
OWE IV	No. of students admitted in first year in the concerned	31	В	Documents available with Admission In-charge
2.1	department	31	A	As stated in Criterion 5 of
2.2	Number of full-time Teachers in the department	5		SAR. Document available at Institute level.
	Number of students		В	As stated in Part A of SAR. Document available at
2.3	Enrolled in the department	172		Institute level.
2.4	Student - Full time teacher Ratio in the department	34.4	A	As calculated.
2.5	No. of permanent faculty with Ph.D in the department	0	С	Faculty list available at Institute level
	Average teaching experience of full time teachers in years	5.1 Y	В	As per average teaching experience calculated.
2.6		90(approx)	A	Semester duration is of approximately 90 days.
2.7	Total No. of teaching days	Academic Calendar is prepared by Academic In- charge at the	A	Documents available in Institute as well as Department files.
	Preparation and adherence to Academic	beginning of new semester and Class time table comes from		
2.8	Calendar and Teaching plans	Departments.		

	Innovative processes adopted in Teaching and	Smart class teaching: Providing for better understanding of various concepts. 2. Power point presentation: Encouraged to bring clear idea. 3. SwayamPrabha Classroom: online NPTEL Lectures 4. Selected video lectures: Encouraged to bring clear idea about another resource. 5. Digital Library Facilities – Student can access E-Books and IEEE Journals. 6. Digital teaching platform like Google Classrooms for different courses. 7. Special lecture: Providing special tutorial class for weak students. 8. Hands on training: like mini project. 9. Project based learning: Encouraged to taking up		Documents available at Department level.
2.9	Learning Teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning	many real time project.		
2.10		NPTEL Lectures		
2.11		Monitoring and counseling by class teacher	В	Departments make sure that remedial classes are provided to weak students.
2.12	GATE Classes for Advanced Learners	It was provided from Years (For batch)	С	The GATE Coach provided the GATE classes for advanced learners which was sponsored by TEQIP.
2.13	Mentoring System	Students of 1 st year is mentored as per AICTE norms.	В	Newly admitted students to first year B.Tech program are mentored as per AICTE norms. (Annexure I)
2.14	Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, utu.	Y•€	В	Smart classrooms, State of art laboratories, computer labs, Language lab., etc. available in the Institute

	Advanced Research Centers		A	Should have Advanced research centers
2.15		No		
2.16	Teachers attending professional development programs	Yes	D	Faculties have attended FDP/PDT at various IITs/IIMs/NITs. Documents available in their personal files at Department level.
2.10	programs	103	В	Guest lectures, Industrial
2.17	Organization of Guest Lectures, Industrial Visits, Workshops, etc.,	Yes		visits, workshops, etc. are organized by Departments. (Ref.: Documents available in Departments).
	Online Certification Programs		C	Students/ Faculties are in involved in several online certification program such as NPTEL/ SWAYAM, Coursera, etc. (Ref.: Documents available in
2.18		Yes	C	Departments) Students are associated
2.19	Student Professional Society Chapter and Association Activities	Yes		with Institution Of Engineers India (IEI) whose membership was sponsored by TEQIP (Ref.: Documents available in TEQIP cell).
2.20	Students undertaking field projects / internships	Yes	C	Internship is a part of curriculum and nearly all the students do internship as vocational training. (Ref.: Documents available with Training and Placement cell)
	Dissemination of PEOs,		A	Available in Course file at
2.21	POs, PSOs, COs	Yes		Department level.
2.22	Attainment of COs, POs, PSOs	Yes	A	Available in Course file at Department level.
2.23	Online student satisfaction survey	Yes	A	Student feedback is available at Department level.
			В	

3. Research and Innovation

S.N0.	Item	Observation	Grade	Remarks
3.1	The institution has a well- definedpolicy for promotion of research	Yes		Policy is mentioned in service rule of the Institute.
3.2	The institution provides seed money to its teachers	No	В	
3.3	Teachers recognized as researchguides from the department	No	D	
3.4	Sponsored research Projects and consultancy	No	D	Department is trying its best to secure sponsored research project
3.5	Workshops/seminars conductedon Intellectual Property Rights(IPR) and Industry-Academia Innovative practices	Yes	D	One number of Seminar conducted on Industry- Academia Innovative practices.
3.6	Research Publications	Yes	В	Faculties actively publishes articles in Research Journals.
3.7	No. of Faculty participated in conferences and symposia	5	В	Faculties participate in conferences time to time.
3.8	Books and chapters in edited volumes / books published, and papers in national/international Conference - proceedings.	0	В	Good number of research publications and book chapters have been published.
3.9	Revenue generated from Consultancy	No	В	In a process of generation of revenue. Consultancy service has been started in the Institute and is on verge to generating the revenue.
3.10	Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc.	Yes	D	Files available in Training and Placement cell.
3.11	Functional MoUs	Yes	В	Files available in Training and Placement cell.
Water L			C	

4. Central library Facility

S.No.	Item	Observation	Grade	Remarks
4.1	Library is automated using Integrated Library Management System (ILMS)	YES	В	Central library uses KOHA as Library Management System (ILMS)
4.2	Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment	NO	D	
4.3	Does the institution have the following: e – journals, e-ShodhSindhu, Shodhganga membership, e-books, Databases	YES	В	Central Library has facility for e-journals, e-books etc. (Ref.: Documents available in Library)
4.4	Availability of digital library with a provision for remote access on intranet	YES	В	Digital library is adjacent to Central Library with a provision for remote access on intranet.
4.5	Per day usage of library by teachers and students	YES	A	The attendance is maintained in a register in the Central Library.

5. Examination Section

S.No.	Item	Observation	Grade	Remarks
5.1	Number of days from the date of last semester-end/ year- end examination till the declaration of results	60 days (approx)	A	
5.2	Percentage of studentcomplaints/grievances about evaluation against total number appeared in the examinations	NA	D	
5.3	Percentage of applications for revaluation	0		

			В	
				The Departments analyzed the results for the session 2018-19. Remedial classes
				for weak students are arranged by the departments. Result
5.4	Result Analysis	Yes		Analysis report is available with the IQAC.

6. Amenities and Sports facilities

S.No.	Item	Observation	Grade	Remarks
6.1	The institution has adequate facilities for sports, games (indoor, outdoor, gymnasium, yoga centre etc.,) andcultural activities	Yes, All facilities of sports have there and cultural activities have been organizing by students.	В	Files available with Sports In-charge.
6.2	Awards/medals for outstandingperformance in sports, Yoga /culturalActivities at Institute level.	Yes it is.	В	Files available with Sports In-charge.
6.3	Number of sports, Yoga and cultural activities / competitions organized at the institution level.	Every year it is organized.	В	Files available with Sports In-charge.

7. Placements and Higher Education

S.No.	Item	Observation	Grade	Remarks
7.1	Capability enhancement and development schemes	No	D	
7.2	No of students benefited by guidance for competitive examinations and career counselling offered by the institution	0	В	
7.3	Number of placements of outgoing students	11	D	Data available in Training and Placement Cell.
7.4	Students Qualified in Competitive Examinations	0	D	

8. Alumni Engagement

S.No.	Item	Observation	Grade	Remarks
8.1	Alumni contributions	Yes	В	As a stake holder while finalizing Mission, Vision, identifying curriculum GAP, indirect attainment of Program Outcomes.
8.2	Alumni Association / Chapters meetings Conducted	Yes	В	Alumni meeting conducted.

9. Best Practices of the Department

S.No.	Item /	Grade
9.1	Value addition by certification programs as well as technology training is focused through Skill Development Centre (APSSDC, IITB-RC, NPTEL, Spoken tutorial, SwayamPrabha).	В
9.2	Student participation in Innovation, Incubation and Entrepreneurship activities through CIIE.	D
9.3	Departmental initiative for placements in core domains other than central Training and Placement cell.	c
9.4	Alumni involvement in placement drive.	c
9.5	The course coordinator system has been continued.	В
9.6	Conduct of subject based Seminars and workshops have been continued. Involvement of students in various committees has been increased.	c
9.7	The practice of conducting Guest lectures, Industrial visits and Industrial training has been enhanced.	С
9.8	The functioning of Research groups to promote better quality research and publications has been strengthened.	С
9.9	More Practical orientation is supported through Mini-projects, Technical seminars.	A
9.10	Industry Internship is made mandatory for all students	A
0.11	Continuous inputs from all stakeholders like Alumni, Academicians and Industry experts are taken to improve the curriculum	A
9.11	on regular basis. Participation of students in Sports, Games at National and International level, NCC, NSS activities.	c

Suggestions for improvement:

1. More number of faculties should attend conferences/symposia (offline/online).

2. Number of students have declined who have qualified GATE exam, so some emphasize should be given on such type of exams.

3. Department should come up with consultancy work.

Signature of AAA member 1 Jone with 29/07
Name: DY, SUMANTA RAKSHAT

Designation: HOD (CE)

REC, Ramgorth Address:

Mobile No.: 6294 856238

Name: PR BRAJESH (CUMAR)
Designation: ACSOCIOTE | SPORTESTOC

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Internal Quality Assurance Cell (IQAC)

INTERNAL ACADEMIC AUDIT REPORT

ELECTRICAL ENGINEERING DEPARTMENT RAMGARH ENGINEERING COLLEGE, RAMGARH, JHARKHAND

(ACADEMIC YEAR: - 2020-21)

Date of Audit:

29/07/21

Name and Designation of Audit Member-1: DY. SUMANTA RAKSHIT, HOD(CE)

Name and Designation of Audit Member-2:

BHASKAR DAS, HOD (CSE)

1. Curricular Aspects

S.No.	Item	Observation	Grade	Remarks
1.1	Curricula developed /adopted have relevance to the local/ national /regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all programs Offered by all department.	The syllabus is designed by the Universities which include course objective and course outcomes.	A	The Institute is affiliated with two universities: 1st, 2nd 3rd, 4th Semester is affiliated to JUT, Ranchi and, 5th, 6th, 7th & 8th semester is affiliated to VBU, Hazaribagh.
1.2	Percentage of new courses introduced of the total number of courses across all programs	No new courses introduced.	D	
1.3	Percentage of programs in which Choice Based Credit System (CBCS) / Elective course system has been implemented	Elective course system is present in VBU old curriculum which constitute around 8% of the total credit system.	В	% of the Elective course system is calculated by referring to the syllabus of the current academic session.
1.4	Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	Yes	A	Institute has got Women Empowerment Cell which tries to empower gender equality in different aspects of life. (Ref.: Women Empowerment Cell file)

1.5	Number of Value-added courses imparting transferable and life skills offered	5 (Extra Academic Activity, Mini Project, Project, Tour & Training, Internship)	В	The value – added courses are part of University curriculum. (Ref. : University Syllabus)
1.6	Feedback on curriculum and other aspects from stakeholders	Alumni feedback Parents Feedback Industrial Feedback Employer Feedback Campus Facility	В	Feedback on curriculum from stakeholders is done on Department level and the documents could be found in Departmental files, whereas feedbacks on campus facility is done on Institute level.

2. Teaching - Learning and Evaluation

S.No.	Item	Observation	Grade	Remarks
511101	No. of students admitted in		В	Documents available with
	first year in the concerned			Admission In-charge
2.1	department	18		11 G1 1 5 CG1 P
			A	As stated in Criterion 5 of SAR.
	Number of full-time			Document available at Institute
2.2	Teachers in the department	7		level.
			В	As stated in Part A of SAR.
	Number of students		247, 39	Document available at Institute
2.3	Enrolled in the department	166		level.
	Student - Full time teacher		A	As calculated.
2.4	Ratio in the department	23.71	4	
	No. of permanent faculty		C	Faculty list available at Institute
	with Ph.D in the			level
2.5	department	0		
11 11 21	Average teaching		В	As per average teaching
	experience of full time			experience calculated.
2.6	teachers in years	3.95 years		
			A	Semester duration is of
2.7	Total No. of teaching days	90(approx)		approximately 90 days.
		Academic	A	Documents available in Institute
		Calendar is		as well as Department files.
	Preparation and	prepared by		
	adherence to Academic	Academic In-		
	Calendar and Teaching	charge at the	Les Lines	
2.8	plans	beginning of new		

			1	
		semester and		
		Class time table comes from		
-ay		Departments.		
t Au				
		Smart class		Documents available at
		teaching:		Department level.
		Providing for		
		better		
		understanding of		
		various concepts.		
Name of		2. Power point		
		presentation:		
		Encouraged to		
		bring clear idea.		
		3. Swayam Prabha		
		Classroom: online		
		NPTEL Lectures		
		4. Selected video		
		lectures:		
9.0		Encouraged to		
16675		bring clear idea		
1		about another		
Hara.		resource.		
		5. Digital Library		
		Facilities –		
		Student can		
		access E-Books		
		and IEEE		
		Journals.		
		6. Digital teaching		
		platform like		
		Google		
		Classrooms for		
		different courses.		
		7. Special lecture:	140	
		Providing special		
		tutorial class for		
		weak students.		
100		8. Hands on		
		training: like mini		
		project.		
		9. Project based		
Pally		learning:		
Page 1	Innovative processes	Encouraged to		
	adopted in Teaching and	taking up many	100119	
2.9	Learning	real time project.		
	Teachers using ICT for		В	
boll in	effective teaching with			
	Learning Management			
	Systems (LMS), E-learning			
2.10		NPTEL Lectures		
2.10		Monitoring and	C	Departments make sure that
		counseling by		remedial classes are provided to
2.11	The state of the s	class		weak students.
2.11	Students	C.1.105		

11		teacher		
2.12	GATE Classes for Advanced Learners	It was provided years.	В	The GATE Coach provided the GATE classes for advanced learners which was sponsored by TEQIP.
2.13	Mentoring System	Students of 1st year is mentored as per AICTE norms.	В	Newly admitted students to first year B.Tech program are mentored as per AICTE norms. (Annexure I)
211	Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment,	Yes	A	Smart classrooms, State of art laboratories, computer labs, Language lab., etc. available in the Institute
2.14	etc. Advanced Research Centers		D	Should have Advanced research centers
2.15	Teachers attending professional development programs	No . Yes	В	Faculties have attended FDP/PDT at various IITs/IIMs/NITs. Documents available in their personal files at Department level.
2.17	Organization of Guest Lectures, Industrial Visits, Workshops, etc.,	Yes	С	Guest lectures, Industrial visits, workshops, etc. are organized by Departments. (Ref.: Documents available in Departments).
2.18	Online Certification Programs	Yes	С	Students/ Faculties are in involved in several online certification program such as NPTEL/ SWAYAM, Coursera, etc. (Ref.: Documents available in Departments)
2.19	Student Professional Society Chapter and Association Activities	Yes	С	Students are associated with Institution Of Engineers India (IEI) whose membership was sponsored by TEQIP (Ref.: Documents available in TEQIP cell).
2.20	Students undertaking field projects / internships		A	Internship is a part of curriculum and nearly all the students do internship as vocational training. (Ref.: Documents available with Training and Placement cell)
2.21	Dissemination of PEOs, POs, PSOs, COs	Yes	A.	Available in Course file at Department level.
2.22	Attainment of COs, POs, PSOs	Yes	A	Available in Course file at Department level.
2.23	Online student satisfaction survey	Yes	В	Student feedback is available at Department level.

3. Research and Innovation

S.NO.	Item	Observation	Grade	Remarks
3.1	The institution has a well- defined policy for promotion of research	Yes	В	Policy is mentioned in service rule of the Institute.
3.2	The institution provides seed money to its teachers	No	D	
3.3	Teachers recognized as research guides from the department	No	D	
3.4	Sponsored research Projects and consultancy	No	D	Department is trying its best to secure sponsored research project
3.5	Workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices	Yes	В	One number of Seminar conducted on Industry-Academia Innovative practices.
3.6	Research Publications	Yes	В	Faculties actively publishes articles in Research Journals.
3.7	No. of Faculty participated in conferences and symposia	1	В	Faculties participate in conferences time to time.
3.8	Books and chapters in edited volumes / books published, and papers in national/international Conference - proceedings.	0	В	Good number of research publications and book chapters have been published.
3.9	Revenue generated from Consultancy	No	D	In a process of generation of revenue. Consultancy service has been started in the Institute and is on verge to generating the revenue.
3.10	Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc.	Yes	В	Files available in Training and Placement cell.
3.11	Functional MoUs	Yes	С	Files available in Training and Placement cell.

4. Central library Facility

S.No.	Item	Observation	Grade	Remarks
4.1	Library is automated using Integrated Library Management System (ILMS)	YES	В	Central library uses KOHA as Library Management System (ILMS)
4.2	Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment	NO	D	
4.3	Does the institution have the following: e – journals, e-ShodhSindhu, Shodhganga membership, e-books, Databases	YES	В	Central Library has facility for e-journals, e-books etc. (Ref.: Documents available in Library)
4.4	Availability of digital library with a provision for remote access on intranet	YES	В	Digital library is adjacent to Central Library with a provision for remote access on intranet.
4.5	Per day usage of library by teachers and students	YES	A	The attendance is maintained in a register in the Central Library.

5. Examination Section

S.No.	Item	Observation	Grade	Remarks
5.1	Number of days from the date of last semester-end/ year- end examination till the declaration of results	60 days (approx)	A	
5.2	Percentage of student complaints/grievances about evaluation against total number appeared in the examinations	NA	D	
5.3	Percentage of applications for revaluation leading to change in marks	0	В	

			The Departments analyzed the results for the session 2018-19. Remedial classes for weak students are arranged by the departments. Result Analysis report is
5.4	Result Analysis	Yes	available with the IQAC

6. Amenities and Sports facilities

S.No.	Item	Observation	Grade	Remarks
6.1	The institution has adequate facilities for sports, games (indoor, outdoor, gymnasium, yoga centre etc.,) and cultural activities	Yes, All facilities of sports have there and cultural activities have been organizing by students.	В	Files available with Sports In-charge.
6.2	Awards/medals for outstanding performance in sports, Yoga /cultural Activities at Institute level.	Yes it is.	В	Files available with Sports In-charge.
6.3	Number of sports, Yoga and cultural activities / competitions organized at the institution level.	Every year it is organized.	В	Files available with Sports In-charge.

7. Placements and Higher Education

S.No.	Item	Observation	Grade	Remarks
7.1	Capability enhancement and development schemes	Yes	В	Employability Skill classes sponsored through TEQIP.
7.2	No of students benefited by guidance for competitive examinations and career counselling offered by the institution	25	В	GATE Coaching sponsored by TEQIP.
7.3	Number of placements of outgoing students	15	D	Data available in Training and Placement Cell.
7.4	Students Qualified in Competitive Examinations	3	D	Through GATE coaching provided by the Institute 08 number of students got qualified.

8. Alumni Engagement

S.No.	Item	Observation	Grade	Remarks
8.1	Alumni contributions	Yes	В	As a stake holder while finalizing Mission, Vision, identifying curriculum GAP, indirect attainment of Program Outcomes.
8.2	Alumni Association / Chapters meetings Conducted	Yes	В	Alumni meeting conducted.

9. Best Practices of the Department

S.No.	Item	Grade
9.1	Value addition by certification programs as well as technology training is focused through Skill Development Centre (APSSDC, IITB-RC, NPTEL, Spoken tutorial, Swayam Prabha).	В
9.2	Student participation in Innovation, Incubation and Entrepreneurship activities through CIIE.	D
9.3	Departmental initiative for placements in core domains other than central Training and Placement cell.	С
9.4	Alumni involvement in placement drive.	С
9.5	The course coordinator system has been continued.	В
9.6	Conduct of subject based Seminars and workshops have been continued. Involvement of students in various committees has been increased.	C
9.7	The practice of conducting Guest lectures, Industrial visits and Industrial training has been enhanced.	C
9.8	The functioning of Research groups to promote better quality research and publications has been strengthened.	c
9.9	More Practical orientation is supported through Mini-projects, Technical seminars.	A
9.10	Industry Internship is made mandatory for all students Continuous inputs from all stakeholders like Alumni, Academicians and Industry experts are taken to improve the curriculum	A
9.11	on regular basis. Participation of students in Sports, Games at National and International level, NCC, NSS activities.	C

Suggestions for improvement:

1. More number of faculties should attend conferences/symposia (offline/online).

2. Number of students have declined who have qualified GATE exam, so some emphasize should be given on such type of exams.

3. Department should come up with consultancy work.

Signature of AAA member 1 Jan with 29/07/21

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