



ANNUAL REPORT 2018-19



APRIL 2019

**RAMGARH ENGINEERING COLLEGE
(ESTD. BY GOVT. OF JHARKHAND & RUN BY
TECHNO INDIA UNDER PPP)**

Contents

S.No.	Content	Page No.
1.	Institute's Basic Information	01-02
2.	Institute's Vision & Mission	02
3.	Information Regarding Affiliating University	02-04
4.	Information Regarding Academic Autonomy	04-05
5.	Governance Structure	05-06
6.	Infrastructure	06-15
7.	Information Regarding NBA Accreditation	15-17
8.	Programs Offered	17-18
9.	Students' Strength	18-19
10.	Exam Result Analysis	19-20
11.	Transition Rate of 1 st Year UG students	21
12.	Gate Qualified Students' Data	21-23
13.	Training Programs Held for Students, Teachers and Staffs	23-27
14.	Students' Internship Data	27-30
15.	Campus Placement Data	30-31
16.	Research and Development	32
17.	Conferences Held	32-33
18.	Collaborative Research	33
19.	Start-Up Cell of REC	33
20.	Achievements	33-36
21.	Financial Report	36

1. INSTITUTE'S BASIC INFORMATION

Ramgarh Engineering College (Estd. by Govt. of Jharkhand & run by Techno India under PPP) established with the prior approval of All India Council For Technical Education (AICTE) and affiliation of Vinoba Bhave University (VBU), is an institution under public private partnership between the Government of Jharkhand and Techno India. It is situated in the outskirts of Ramgarh district town on NH-23 at Murubanda, near Chitarpur, Rajrappa Project covering an area of 24 acres including hostel facilities for both boys and girls as well as staff quarters having a pollution free environment. Thus, the college being in a residential campus provides round the clock Gurukul facilities to the learners.

The nearest railways station that connects the campus is 'Mael' station. The other stations through which the college can be reached are Ranchi Road (Ramgarh), Muri Junction and Ranchi Junction. The available trains are Howrah-Ranchi Shatabdi Express, Howrah-Hatia Express, Jabalpur Howrah Shaktipunj Express, Ranchi-Hawarah intercity, Patna Ranchi Jan Shatabidi Express Adra-Barkakana Passenger, Patna-Hatia Express etc. The campus is also well connected by bus services from nearby cities like Bokaro, Dhanbad, Ranchi, Kolkata, Jamshedpur etc. The campus is also connected to nearest Ranchi Airport which has good connectivity with daily flights operating for all major cities of India.

In 2014, the college was instructed by Government of Jharkhand (GOJ) to be named as Government Engineering College, Ramgarh (Run and managed by Techno India Group) later on by the order of GOJ institute has been renamed as Ramgarh Engineering College (Estd. By Govt. of Jharkhand & Run by Techno India under PPP). At present, the college is at its fifth successive year with 4 batches amounting to a total of 960 students. During these five years of performance, the college has achieved several feats. Students of this college have performed exceptionally well in university, some of them being university topper. Furthermore, this college has been recognized as remote centre of NPTEL. It has also carried out several government programs like Pradhan Mantri Kaushal Vikas Yojna (PMKVY) and 'Vittiya Saksharta Abhiyan'.

In 2017, we have received prestigious TEQIP phase III project, funding assistance by MHRD, Central Govt. & World bank. Several quality improvement programs have started under this project.

Ramgarh Engineering College is now affiliated with Jharkhand University of Technology which is newly developed by Govt. of Jharkhand. This university is committed to provide quality technical education and promote scientific awareness among masses. By the establishment of Jharkhand University of Technology, all Technical Institutes in the state recognized by AICTE will come under umbrella of this university.

We perpetually try to keep our commitment towards our goal to spread education among the ‘technocrat’ of the new era and also instill in them the ethical and righteous moral code. We always endeavor to make our pupils to realize that the hidden truth is ‘Education is the manifestation of the perfection already in man’.

2. INSTITUTE’S VISION & MISSION

VISION

To emerge as an institute of excellence in the field of Engineering and Technology based on quality education and research activities leading to produce competent, responsible engineers and overall a good human being who will be innovators and entrepreneurs to serve the industry, society and our nation at large.

MISSION

- Imparting quality teaching and learning process throughout the course curriculum.
- Fostering Industry Institute Interaction for quality training, research, project management and consultancy.
- Ensuring value based education focused on environmentally sustainable society.
- Promoting exchange of thoughts on technological research, innovation and entrepreneurship for the benefit of the society.

3. Information Regarding Affiliating University

REC is affiliated under Jharkhand University of Technology.

झारखण्ड प्रौद्योगिकी विश्वविद्यालय

विज्ञान एवं प्रावैधिकी परिसर, सिरखा टोली, नामकुम, राँची, पिन-834010 (झारखण्ड)

पत्रांक :- JUT-28/2018/32

/राँची, दिनांक :- 15/01/19

प्रेषक,

कुलसचिव,
झारखण्ड प्रौद्योगिकी विश्वविद्यालय, राँची

सेवा में,

प्राचार्य,
RAMGARH ENGINEERING COLLEGE,
RAMGARH


विषय:- RAMGARH ENGINEERING COLLEGE, RAMGARH के शैक्षणिक सत्र 2018-19 के लिए झारखण्ड प्रौद्योगिकी विश्वविद्यालय, राँची के अंतर्गत B.Tech Course के अस्थायी संबद्धता के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में निदेशानुसार कहना है कि RAMGARH ENGINEERING COLLEGE, RAMGARH के शैक्षणिक सत्र-2018-19 के लिये Deemed to be Affiliated प्रदान की जाती है।

संस्थान द्वारा AICTE Norms का अनुपालन सुनिश्चित किया जाय। झारखण्ड प्रौद्योगिकी विश्वविद्यालय, राँची द्वारा संस्थान का मौखिक निरीक्षण भी कराया जायेगा।

विश्वासभाजन


कुलसचिव,
झारखण्ड प्रौद्योगिकी विश्वविद्यालय,
झारखण्ड, राँची।

Affiliation from JUT

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2018-19

Extension of Approval (EoA)

F.No. Eastern/1-3508963989/2018/EOA

Date: 29-Apr-2018

To,

The Principal Secretary (Science & Tech. Deptt.)
Govt. of Jharkhand Nepal House,
Dhurwa, Ranchi-834002

Sub: Extension of Approval for the Academic Year 2018-19

Ref: Application of the Institution for Extension of approval for the Academic Year 2018-19

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AB/AICTE/REG/2016 dated 30/11/2016 and amended on December 5, 2017 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-1555166801	Application Id	1-3508963989
Name of the Institute	RAMGARH ENGINEERING COLLEGE (ESTD. BY GOVT. OF JHARKHAND & RUN BY TECHNO INDIA UNDER PPP)	Name of the Society/Trust	TECHNO EDUCATION RAMGARH
Institute Address	RAMGARH, JHARKHAND, RAMGARH, RAMGARH, Jherkhand, 832108	Society/Trust Address	EM-4, SECTOR-V, SALT LAKE, KOLKATA-91, SALT LAKE NORTH 24 PARGANAS, West Bengal, 700091
Institute Type	Govt aided	Region	Eastern

Opted for Change from Women to Co-Ed and vice versa	No	Change from Women to Co-Ed and vice versa Approved or Not	NA
Opted for Change of Name	No	Change of Name Approved or Not	NA
Opted for Change of Site	No	Change of Site Approved or Not	NA
Opted for Conversion from Degree to Diploma or vice versa	No	Conversion for Degree to Diploma or vice versa Approved or Not	NA
Opted for Organization Name Change	No	Change of Organization Name Approved or Not	NA

To conduct following Courses with the Intake indicated below for the Academic Year 2018-19

Program	Shift	Level	Course	FT/PT+	Affiliating Body (Univ/Body)	Intake Approved for 2018-19	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status	Foreign Collaboration /Twinning Program Approval Status*
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	COMPUTER SCIENCE & ENGINEERING	FT	Vinoba Bhave University, Hazaribagh	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	ELECTRICAL ENGINEERING	FT	Vinoba Bhave University, Hazaribagh	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FT	Vinoba Bhave University, Hazaribagh	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	MECHANICAL ENGINEERING	FT	Vinoba Bhave University, Hazaribagh	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	CIVIL ENGINEERING	FT	Vinoba Bhave University, Hazaribagh	60	No	No	No

+FT –Full Time, PT-Part Time

Affiliation from AICTE

4. Information Regarding Academic Autonomy

Ramgarh Engineering College is under Jharkhand University of Technology and Vinoba Bhave University. Therefore, it follows the curriculum prescribed by aforementioned universities.

5. Governance Structure

REC is in Public Private Partnership (PPP) model. The institute is established by government of Jharkhand and run by Techno India.

List of BOG Members:

Sl. No.	Name	Designation	Nature
1	Mr. Mohit Chatterjee	Chairperson	Educationist
2	DrSudipta Chakraborty	Member	Educationist
3	DrBishnuBrata Chattopadhyay	Member	Educationist
4	Mr. Anit Adhikari	Member	Industrialist
5	Mr. Kunal Gangulli	Member	Industrialist
6	Dr Nazmul Islam	Member	Faculty of the Institution
7	Dr Aditya Kumar Singh	Member	Faculty of the Institution
8	AICTE Representative	ERO	AICTE Representative
9	Govt. of Jharkhand Representative	Member	State Govt. Representative
10	University Representative	Member	University Representative
11	Jharkhand University of Technology	Member	JUT Representative
12	BVB, College of Engineering and Technology, Hubli	Special Invitee	BVB, College of Engineering and Technology, Hubli Representative
13	Mrs. ManoshiRoychowdury	Special Invitee	Special Invitee
14	Mr. Biswajit Dutta	Special Invitee	Special Invitee
14	Mr. N C Dutta	Special Invitee	Special Invitee
13	Dr M. K. Samanta	Special Invitee	Special Invitee

14	DrSharbani Roy	Member Secretary	Principal
----	----------------	------------------	-----------

6. Infrastructure

a) Academic

Particulars	Area/number as per AICTE Norms(*Refer AICTE Approval Process Hand Book)	Area / No. available
Classroom (Size)	66 Sq.MSq.M	66 Sq.MSq.M
No. of Classrooms	15	15
Tutorial Room (Size)	33 Sq.M	33 Sq.M
No. of Tutorial Room	04	04
Drawing Hall (Size)	132 Sq.M	132 Sq.M
Computer Center (Size)	150 Sq.M	150 Sq.M
Workshop (Size)	200 Sq.M	200 Sq.M
Laboratories (Size)	66 Sq.MSq.M	66 Sq.MSq.M
No. of Labs	40	40
Physics Lab (Size)	66 Sq.MSq.M	66 Sq.MSq.M
Chemistry Lab (Size)	66 Sq.MSq.M	66 Sq.MSq.M
Library & Reading Room (Size)	400 Sq.M	400 Sq.M
Seminar Hall (Size)	132 Sq.M	132 Sq.M

b) Laboratory Details

Sl. No.	Department & 1 st year's common sub. Lab	Name of Laboratory(*As per syllabus of JUT)	Carpet Area (Sq.mt.)	Major Equipment
01	Basic Science & Humanities	Physics Lab	115.6	Galvano meter, ammeter, slide calipers, Whistone Bridge, Prism, Spectro meter, sodium source, Travelling Microscope.
		Chemistry Lab	132	Viscosity equipment, PH equipment, Conductivity equipment, Weight machine, heating equipment, Distillation

				equipment, incubator, vibrator equipment, Titration set up
		Language Lab	115.6	PC, Projector, smart screen, AC, CONSOLE,
		Drawing Hall	132	Drawing Table
		Workshop	200	Legth machine, Grinder Machine, Cutter, Welding Machine, Blacksmith shop, Carpenter shop.
		Basic Electronics Lab	80	CRO, Function Generator, Multimeter, Bread Board, Connection wire, LED, Diode, Transistor.
		Basic Electrical Lab	80	Lab. Experimental Kit, Voltmeter, Ammeter.
		Computer Centre	150	Computer, Printer, AC
02	Computer Science Engineering	Object Oriented Programming Laboratory	66	Computer, Printer, switch, AC
		Design & Implementation Laboratory	80	Computer, switch, AC
		Basic Computation Laboratory	66	Computer, switch, AC
		Intelligent System & Network Laboratory	66	Computer, switch, AC
		Basic Computation & Project Laboratory	66	Computer, switch, AC
03	Electronics and Communication Engineering	Basic Electronics Laboratory	66	CRO (30 MHz), Dual channel Power supply, Function Generator, Multi-meter, Bread Board, Transistor, Diode, Resistor, capacitor etc. V-I characteristics of Junction diode trainer kit, V-I characteristics of Zener diode trainer kit V-I characteristics of BJT trainer kit Half wave and full wave rectifier trainer kit, V-I characteristics of FET trainer kit Op-amp Trainer kit.
		Digital Electronics Laboratory	66	Dual channel DC power supply, Digital Multi-meter, Bread board, IC7400,7402,7404,7408,7432,7486,7415 1,74153,74266, Digital Trainer kit, BCD trainer kit Multiplexer Trainer kit, Flip-Flop Kit, Register trainer kit, Counter trainer kit.
		Analog electronics Laboratory	66	CRO, DSO, Dual Channel DC Regulated power supply, Digital Multi-meter, Function Generator, Digital Multi-meter, Bread board etc. Transistor Application Trainer kit, Class A amplifier trainer kit, Class C amplifier trainer kit, Push-Pull amplifier trainer kit, Common collector transistor amplifier trainer kit, Feedback amplifier (Series & Shunt) Trainer Kit Application of IC 555 as Multi-vibrator Trainer kit

				Differential Amplifier Trainer kit, Op-amp as a smith trigger Trainer kit
		Analog & Digital Comm. Engg. Laboratory	66	DC Regulated Power Supply, Digital multi-meter, DSO, CRO, Function Generator, AM transmitter and receiver trainer kit, FM Modulation and Demodulation trainer kit, DSB/SSB AM Transmitter and receiver kit, Analog signal Sampling and reconstruction kit, Super Heterodyne Receiver, Fourier Synthesis kit PWM/PPM trainer kit, PAM trainer kit, MSK Trainer kit, Analog multiplexing kit Modulation using PLL kit, Pre-Emphasis trainer kit.
		Semiconductor devices Laboratory	66	DC Regulated Power Supply, Digital multi-meter, CRO, Function Generator, Transistor characteristics trainer kit, Hall effect experiment trainer kit, Energy bandgap apparatus, PN junction diode characteristics kit,FETCharacteristics kit, LUXO meter
		Tele Comm. Switching Laboratory	66	Dull power supply, Digital multimeter, DSO, CRO, Function Generator, EPABX trainer kit, DTMF Telephone trainer kit.
		VLSI Design Laboratory	66	Digital multi-meter, DSO,FPGA kit with supporting software and Computer.
		Microwave Engineering Laboratory	66	Digital multi-meter, DSO, CRO, Function Generator, Klystron mount with tube, Isolator, Frequency meter, variable attenuator, Slotted section, Tuneable probe, Detectormount, Moveable Short, Matched termination, SS Tuner VSWR Meter, Klystron power supply, bore cable, tube cable, Gunn Power supply, Gunn Oscillator, Gunn based Test bench, Pin Modulator, BNC Cable, Spectrum analyser, Transmission line trainer kit
		ECE Computer Laboratory	66	30 Nos. of Desktop with all accessories
04	Electrical Engineering	Basic Electrical Engineering Laboratory	132	AC machines, DC machines, Transformers, DSO, Exp kit, Meters, RLC, Loads, CRO
		Network Theory laboratory	132	Transformers, DSO, Exp kit, Meters, RLC, Loads, CRO
		Electrical Machine Laboratory-I	132	AC machines, DC machines, Transformers, DSO, Exp kit, Meters, RLC, Loads, CRO
		Electrical Machine Laboratory-II	132	AC machines, DC machines, Transformers, DSO, Exp kit, Meters, RLC, Loads, CRO
		Instrumentation Laboratory-I	132	AC machines, DC machines, Transformers, DSO, Exp kit, Meters, RLC, Loads, CRO
		Instrumentation Laboratory-II	132	AC machines, DC machines, Transformers, DSO, Exp kit, Meters, RLC, Loads, CRO

		Microprocessor Laboratory	132	Microprocessor kits, DSO, Exp kit, Meters, RLC, Loads, CRO
		Micro-controller Laboratory	132	Microcontroller kits, DSO, Exp kit, Meters, RLC, Loads, CRO
		Control System Laboratory	132	AC machines, DC machines, Transformers, DSO, Exp kit, Meters, RLC, Loads, CRO
		Power Electronics Laboratory	132	AC machines, DC machines, Converters, Transformers, DSO, Exp kit, Meters, RLC, Loads, CRO
		Power System Protection Laboratory	132	AC machines, DC machines, Relay, Circuit Breakers, Transformers, DSO, Exp kit, Meters, RLC, Loads, CRO
		Simulation Computer Laboratory	132	Computer, Electrical Simulating Software
		Electrical Workshop	132	AC machines, DC machines, Transformers, DSO, Exp kit, Meters, RLC, Loads, CRO
05	Mechanical Engineering	DOM Laboratory	132	Gyroscopic couple, Rotating Mass System, Cam Follower, Vibration Apparatus, Whirling Speed measurement shaft
		RAC Laboratory	66	Ice plant test RIG, Air conditioning system, Mechanical heat pump, Chilling plant, Model of Compressor, Vapour Absorption Refrigeration System
		Automobile Laboratory	66	Automotive Transmission Systems. Automotive Drive Lines and Differentials. Automotive engine systems and sub systems. Fuels supply systems. Engine cooling and lubricating systems. Automotive suspension systems. Automotive steering systems. Automotive Brake systems, Constant Type transmission system, Synchronic type transmission system, Differential with real axle, Front wheel drive line, Real Axle Drive line, Multi Cylinder petrol engine, Single cylinder diesel engine, Multi cylinder diesel engine, Starting system diesel engine, Electrical ignition system diesel engine Rake and pinion type steering system, Reciprocating ball type steering system, Power steering system
		MOS-II Laboratory	66	Ductility and fatigue test machine Quarter half full bridge Bending System, Youngs Modulus Machine Simply Supported Beam

		Workshop Laboratory	200	Electric Furnace, Electric Furnace for smithy, Welding Machine, Lathe Machine, Shaper Machine, Grinder, Milling Machine, Wood working Vice Circular Saw, Drilling Machine, Planner Machine, Wood Cutter, Bending Machine Muffle Furnace,
		Applied Thermodynamics	66	Refrigeration test rig, Water cooling tower, Cochran boiler model. Compound steam engine model. De-level turbine model. Babcock and Wilcox boiler model. Steam engine model, Steam engine model, Pure reaction turbine model. Condensator
		HMT Laboratory	66	Stephan Boltzman Apparatus, Forced convection Apparatus, Conductivity test Apparatus, Pipe flow Apparatus, Parallel or counter flow heat Exchanger
		Fluid Mechanics Laboratory	200	Venturimeter Apparatus, Pipe friction Apparatus, Rectangular notch apparatus,
		Thermodynamics Laboratory-II	66	Orific meter apparatus Mouth Piece Apparatus Bernouli Equation Test RIG, Metacentric Height Testing Machine Toy model of I.C engine (SI & CI), model of steam power plant, model of Cochran Boiler, model of steam turbine, model of Reciprocating air compressor.
		MOS-I Laboratory	66	Universal testing Machine, Impact Testing Machine, Torsion testing Machine, Rockwell hardness testing machine, Brinell hardness testing machine
		Drawing Hall-I	132	Drawing Boards
		Drawing Hall-II	132	Drawing Boards
		CADG Laboratory	66	Computers
06	Civil Engineering	Geotechnical Engineering Laboratory	115	Standard penetration test with all Accessories to conduct the test, Plate load test with all accessories to conduct the test, Consolidation test Apparatus, Unconfined compression test apparatus, Shear test apparatus (Direct shear), Triaxial test apparatus, Pycnometer (1 liter), Liquid limit

			<p>apparatus casagrande apparatus, Sieve size 4.75mm, 2.0mm, 1.0mm, 600mic, 425mic, 300 mic, 212mic, 150mic, 75mic,</p> <p>container 50mm dia and 30 mm height,</p> <p>balance machine (100kg),</p> <p>core-cutter test apparatus,</p> <p>compaction test apparatus (light compaction), CBR test apparatus,</p> <p>plastic limit apparatus, shrinkage limit apparatus,</p> <p>field density by sand replacement method, Hot air oven, liquid limit device,</p> <p>sieve shaker (hand operated),</p> <p>plastic limit apparatus,</p> <p>shrinkage limit apparatus, field density by sand replacement method,</p> <p>Hot air oven, liquid limit device,</p> <p>sieve shaker (hand operated), spatula</p>
		Transportation Engineering Laboratory	<p>115</p> <p>Flakiness & Elongation Gauge,</p> <p>Standard penetrometer for bitumen,</p> <p>Tar viscometer,</p> <p>Sieve size 80mm, 63mm, 50mm, 40mm, 31.5mm, 25mm, 20mm, 16mm,</p> <p>12.5mm, 10mm, 6.3mm, 2.36mm, 1.7mm</p> <p>Heater, Saucepan, Los-Angeles abrasion test, impact test apparatus, flash & fire test apparatus, marshal stability test,</p>
		Building Material Laboratory	<p>100</p> <p>Vicat Needle Apparatus,</p> <p>Le-Chatelier Mould, OVEN, weight machine</p> <p>50 ml Specific Gravity bottle,</p> <p>90 mic. Sieve, IS Sieve Size- 80mm, 40mm, 20mm, 4.75mm, 2.36mm, 1.18mm,</p> <p>1mm, 600mic., 425 mic, 300mic, 150 mic</p> <p>Hand Operated Sieve Shaker,</p>
		Concrete Laboratory	<p>100</p> <p>Compressive testing machine,</p> <p>Flexure Testing machine,</p> <p>cube (150x150x150mm),</p> <p>cube (76x76x76mm),</p> <p>cylindrical mould,</p> <p>slump test apparatus,</p> <p>compactin factor test apparatus</p> <p>vee-bee test,</p> <p>concrete mixture machine,</p> <p>remould hammer,</p> <p>beam mould (100x100x500mm),</p> <p>beam mould (150x150x700mm),</p>

				IS Sieve Size- 80mm,40mm,20mm,4.75mm,2.36mm, 1.18mm,1mm,600mic., 425 mic, 300mic,150 mic, Vibration table
		Survey	66	Theodolite,Auto Level, Compass,Chain(30Meter),Alidade,Plaintable with Stand,Plumbob,LevellingStaff,RangingRod,Tape(30 Meter,15 Meter),Optical Squire,TotalStation,GPS, GIS, Distomat
		Structure Laboratory	66	Verniercaliper,Truss Apparatus model, Single Span Beam,Two hinged arch model, weight and dial gauge, Moment area theorem apparatus, Model of strut and columns with various end condition and loads.
		Environmental lab.	66	PH meter,TDSmeter,conductivity meter, BOD incubator,turbidity meter,
		WRE Lab.	115	current meter
		Computer Lab	66	os. of Desktop with all accessories

c) Administrative Area

Particulars	Area/number as per AICTE Norms(*Refer AICTE Approval Process Hand Book)	Area / No. available
Principal Room (Size)	30 Sq.M	01/30 Sq.M
Head of Department Room (Size)	20 Sq.M	06/20 Sq.M
Department Office(Size)		
Faculty Room (Size)	5 Sq.M per Faculty Member	300 Sq.M
Central Store Room (Size)	30 Sq.M	30 Sq.M
Maintenance (Size)	30 Sq.M	30 Sq.M
College Office (Size)	150 Sq.M	150 Sq.M
Board Room (Size)	20 Sq.M	20 Sq.M
Security Room (Size)	10 Sq.M	10 Sq.M
House Keeping (Size)	10 Sq.M	10 Sq.M
Examinations control Office (Size)	30 Sq.M	30 Sq.M

Placement Office (Size)	30 Sq.M	30 Sq.M
Pantry for Staff (Size)	10 Sq.M	10 Sq.M

d) Computational Facility:

Location	
Internet Bandwidth in MBPS	16
Printers in Nos	15
Legal Application S/W	25
Legal System S/W	40

e) Library Facilities

Location	
No of Volumes	18674
No of Titles	730
No of Journals	10
No of Library Management Software	1
Reading Room Seating Capacity	75
No of MultiMedia PC	12

f) Amenities Area

Facilities	Status
Sports Club /Gymnasium	Available
Boys' Common Room	Available
Girls' Common Room	Available
Cafeteria	Available
First Aid cum Seek Room	Available
Stationery Store and	Available

Reprography	
Auditorium / Amphitheater	Available
All Weather Approach (Motorized Road)	NOT Available
Applied membership-National Digital Library	Available
Appointment of Student Counsellor	Available
Backup Electric Supply	Available
Barrier free Environment	Available
Biometric based attendance System	Available
Compliance of the National Academic Depository(NAD) as per MHRD Directives	Available
Display Board within the premises as well as in the Website of the Institution	Available
Efforts to encourage Final Year students to appear GATE examination	Implemented
Electric Supply	Available
Establishment of Anti Ragging committee	Available
Establishment of committee for SC/ST	Available
Establishment of Grievance Redressal Committee in the Institute and	Available
Establishment of Internal Complaint Committee(ICC) As per section 4 of Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013	Available
General Insurance	Available
Group Accident Policy to be provided for the employees	Available
Group Insurance for Employees	Available
Implementation of examination reforms	Implemented
Implementation of mandatory Internship policy for students	Implemented
Implementation of Security Measures	Implemented
Implementation of Startup Policy	Implemented
Implementation of teacher training policy	Implemented

Implementation of Unnat Bharat Abhiyan	Implemented
Implementing Food Safety and Standard Act,2006 in the Institution	Implemented
Indicating the Feedback Facility of Students and Faculty	Implemented
Innovation Cell/Club	Available
Institution Web Site	Available
Institution-Industry Cell	Available
Insurance for Students	Available
Internal Quality Assurance Cell	Available
Notice Boards	Available
Online Grievance Rederssal Mechanism	Available
Participation in the National Innovation Ranking	NA
Potable Water Supply	Available
Provision to watch MOOCS Courses through Swayam	Available
Safety Provisions	Available
Sewage Disposal System	Available
Sports facilities	Available
Standalone Language Laboratory	Available
Telephone & FAX	Available
Training and Placement Cell	Available
Vehicle Parking	Available

7. Information Regarding NBA accreditation

. We have already registered for NBA accreditation process in the portal. We are planning to apply for NBA accreditation in the next academic session (2019-20). We have started preparing ourselves for the process.

ACPAYEE ONLY

SALKOL

भारतीय रिज़र्व बँक
Central Bank of India

भारतीय रिज़र्व बँक
Central Bank of India

ISSUING BRANCH: 03492

ALPHA CODE NO: 14052018YY

भारतीय रिज़र्व बँक
Central Bank of India

ISSUING BRANCH: NATIONAL BOARD OF ACCREDITATIO N*****

ON DEMAND PAY

RUPEES One Lakh Eighteen Thousand only.*****

या इनके आदेशपर
OR ORDER

शुद्ध राशि VALUE RECEIVED

₹ 18000.00

EM/NCAREG/A

1 2 0 0 1 6 9

Prefix:DD

DRAWEE BRANCH: 02332-SSB-DELHI

16

16

NBA Status of Ramgarh Engineering College

1. Vision Mission of Institution and departments have been completed and published amongst all stakeholders

2. Departmental PEOs are finalized.
3. We have conducted three workshop for NBA and one preparatory workshop.
4. Industry Institute Interaction meet done.
5. NCC NSS cell has been established.
6. R&D cell has been established.
7. One Project prepared and sent to IIT GN for collaboration under Teqip 3 seed fund of IIT GN.
8. Preparation of Project is going on under TEQIP Phase III seed fund of Ramgarh Engineering College.
9. Planning for departmental technical magazine.
10. Outcome based education has been implemented.
11. 95 percent faculty has been sent to IIT GN and BVB Hubli for FDP.
12. Faculty participated in Faculty conclave of BVB Hubli.
13. Planning for Entrepreneurs club, Scrap lab and mixed projects.
14. Planning for industry sponsored lab.

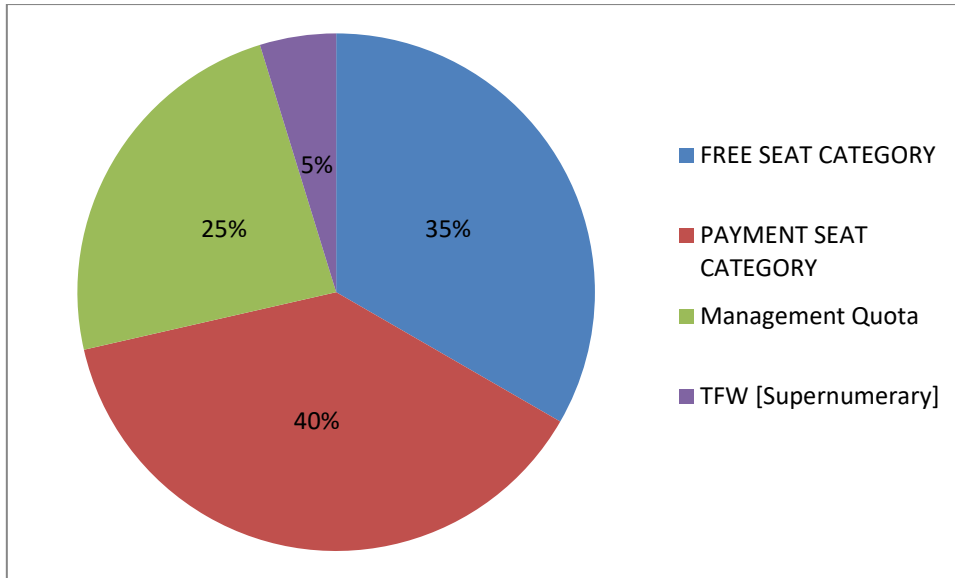
8. Programmes Offered

Ramgarh Engineering College, Ramgarh, run/managed by Techno India is conducting the following B.Tech programme as per the approved intake of AICTE.

Department Undergraduate	Course Duration	Intake
Computer Science & Engineering	4 years	60
Mechanical Engineering	4 years	60
Electronics & Communication Engineering	4 years	60
Electrical Engineering	4 years	60
Civil Engineering	4 years	60

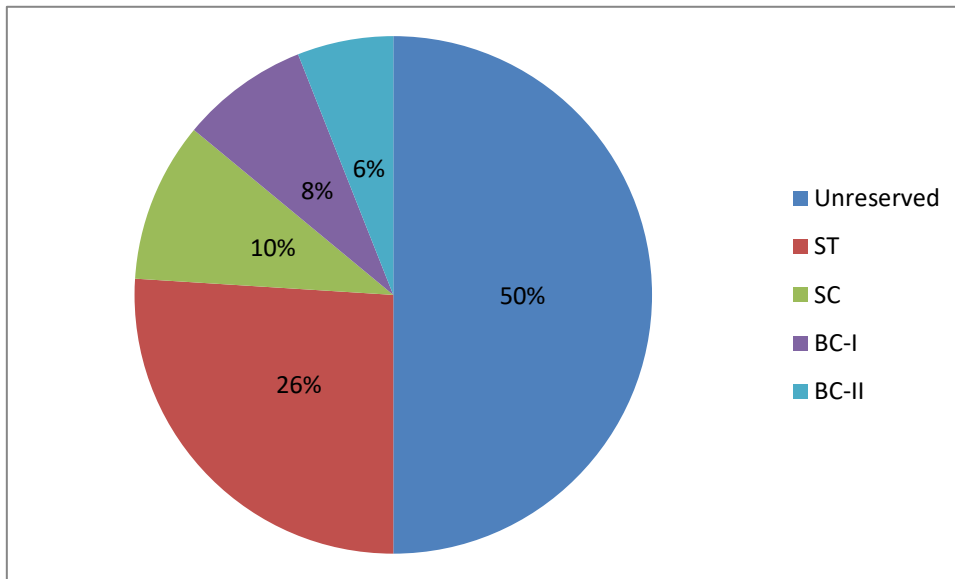
The above seats of the following department wise is filled up in the following category

FREE SEAT CATEGORY	PAYMENT SEAT CATEGORY	Management Quota	TFW [Supernumerary]
35%	40%	25%	5%



Following is the reservation policy of the Free Seat Category (including physically handicapped) for students taking admission to Ramgarh Engineering College, Ramgarh through JCECEB counseling in Jharkhand.

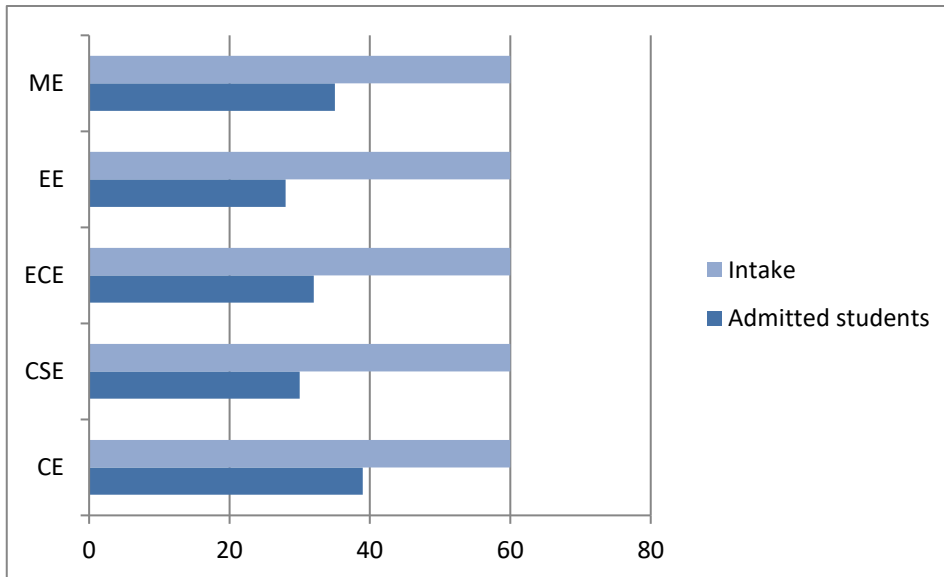
Unreserved	ST	SC	BC-I	BC-II
50%	26%	10%	8%	6%



Tuition and other Fees Structure: As per the Ramgarh notification issued by the office of the Chairman, Fee Fixation Committee, Department of Science & Technology, Government of Jharkhand.

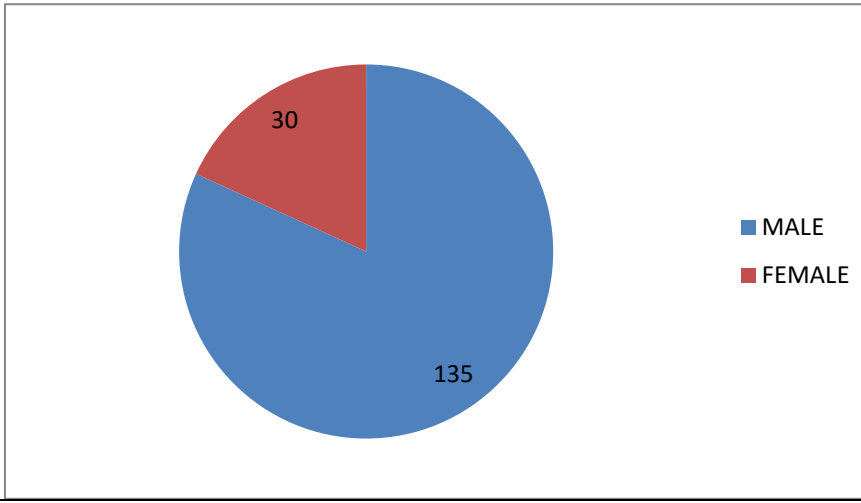
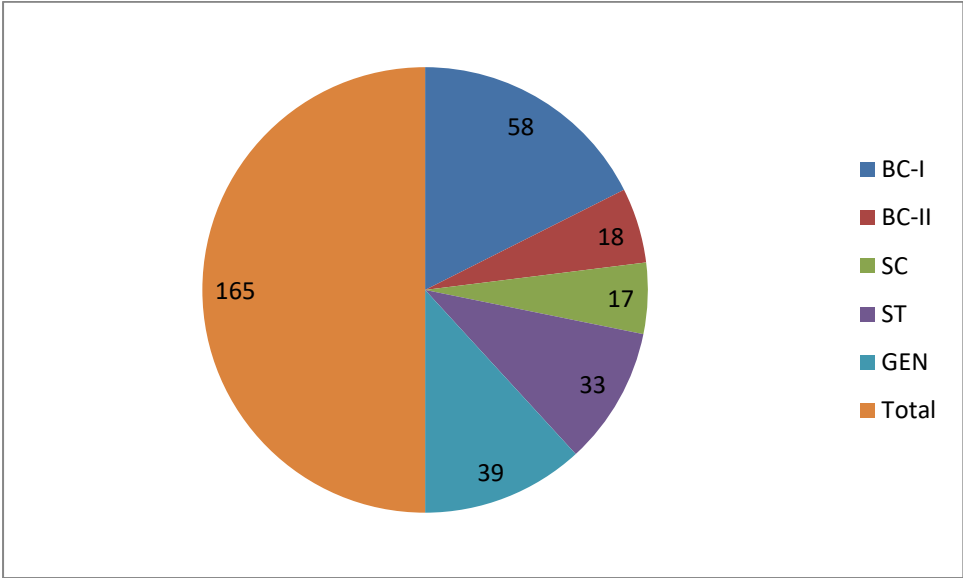
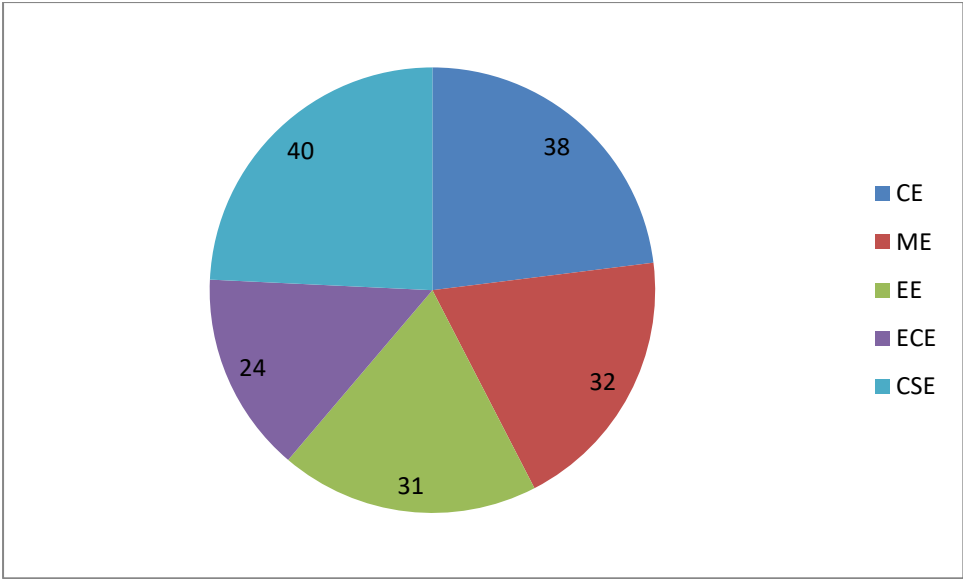
9. Students' Strength

Stream	Intake	Admitted students
CE	60	39
CSE	60	30
ECE	60	32
EE	60	28
ME	60	35
Total	300	164



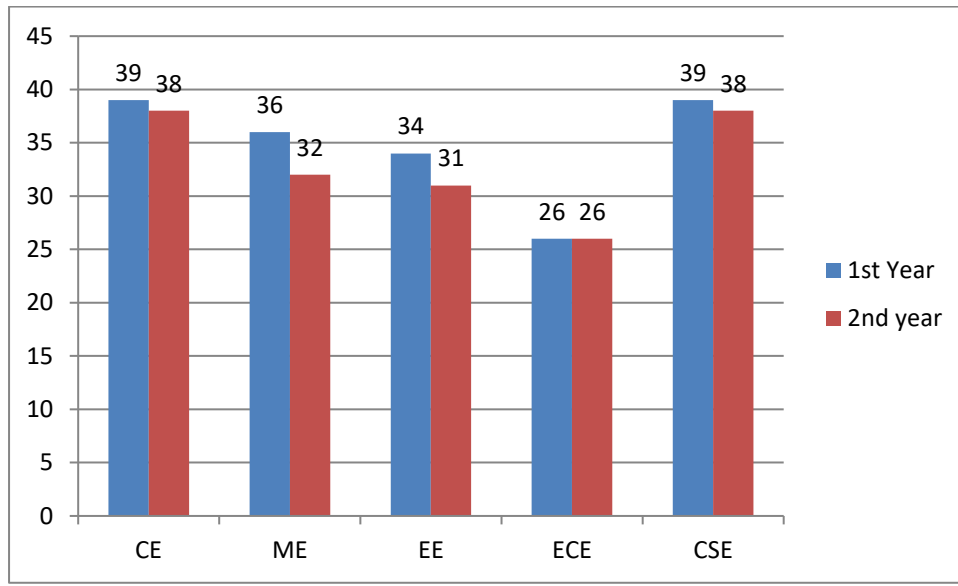
10.Exam Result Analysis

Our students perform well in academics. Pass-ratio is very high than other colleges in University. Furthermore, some students have performed exceptionally well and became the university topper. The students of this institution have been performing well on average, passing percentage being around 90% on average. To be specific, students of some departments have been performing exceptionally well consistently



11. Transition Rate of 1st year UG students

The column chart below is showing the number of students in 1st year and 2nd year. The transition rate of 1st year students of the batch 2017-21 is 94.82%.



12. Gate Qualified Students Data

Total number of students in all branch:- 253

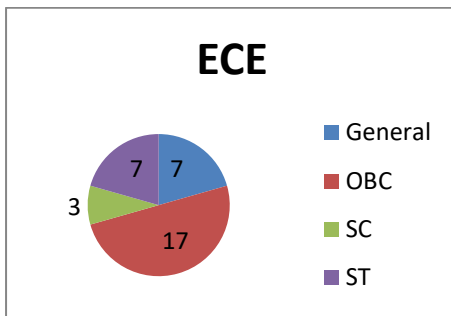
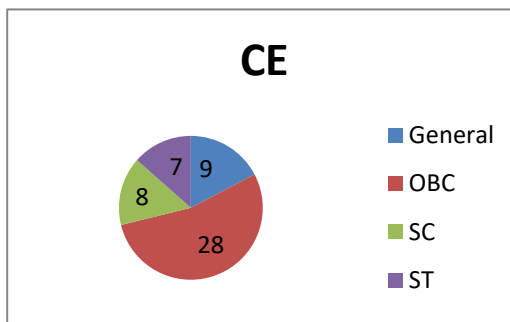
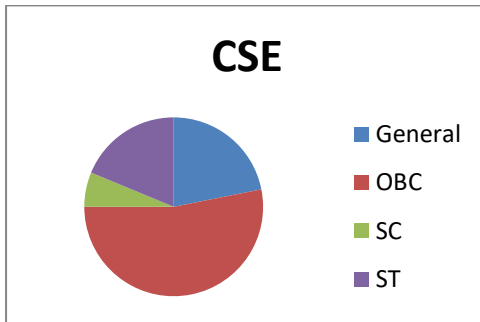
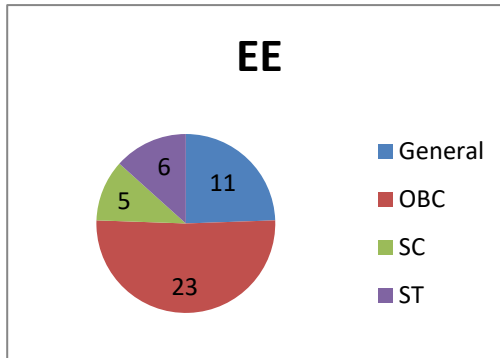
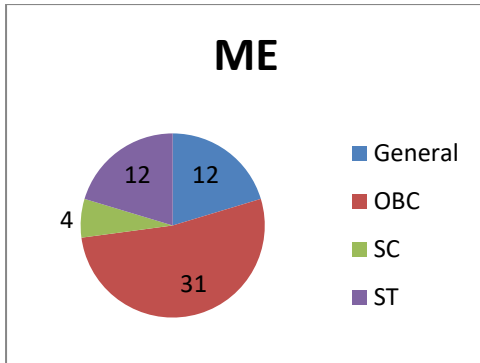
Number of students registered:- 222

Number of Students appeared:- 215

Total number of GATE qualified students:-21

Detail information as per branch and category wise

Branch	General	OBC	SC	ST
EE	11	23	5	6
ME	12	31	4	12
CE	9	28	8	7
ECE	7	17	3	7
CSE	7	17	2	6



Detail information of Qualified Candidates of EE

Name	Registration No.	Marks obtained	GATE Score	AIR	Category
Prasadi Saw	18S66033203	29.67	356	15981	OBC
Ravish Kumar	18S64029246	31.67	378	13879	OBC
Amisha Kumari	18S66033467	36	426	10332	OBC
Vishal Kumar Gupta	18S564029304	31	371	14556	General

Detail information of Qualified Candidates of ME

Name	Registration No.	Marks obtained	GATE Score	AIR	Category
Ali Murtza	18S26032205	37.85	383	25123	OBC
Aditya	18S16033230	45.74	467	16909	General
Uttam Kumar	18S16033272	56.62	582	8610	OBC
Vishnu Kumar Bauri	18S2603272	32.8	330	32059	SC
Shahin Amanullah	18S26032520	34.48	348	29586	OBC
Ajeet Kumar	18S26033231	48.98	501	14133	OBC
Dayanand Prasad	18S26033378	40.21	408	22352	OBC
Pappu Jaiswal					

Detail information of Qualified Candidates of CE, ECE and CSE

Name	Registration No.	Marks obtained	GATE Score	AIR	Branch	Category
Sanjeev Kuntia	18S86032369	63.43	715	1608	CIVIL	ST
Anuj Kumar Choudhary	18S76032302	28.08	362	19089	CIVIL	SC
Radhikesh Kumar	18S36033271	37	493	4276	CSE	General
Sweta Bharti	18S56032010	17.67	239	18546	ECE	SC

13. Training Programme held for Students, Teachers and Staff

REC has organized several workshops in its own premises and also has given opportunity to the teachers & students to attend the training program in different reputed institutes of all over India. These training programs have ensured the learning and also its application. The details are given below:

--

Sl. No.	Purpose	Participants
1	Workshop for PDT Pogram on 31st Oct to 1st Nov,2017 at IIM Shillong	Dr Sharbani Roy
2	Meeting for SLA Survey on Nov 11th, 2017 at AICTE in Delhi	Dr Aditya Kr. Singh, Mr. Pankaj Sarkar, Mr. Sujan Abhishek Mundu, Ms. Priyanka Saha
3	Workshop on Start up activities & preperation of mini action plan at BIT Mesra on 16th & 17th Jan, 2018	Mr. Pankaj Sarkar
4	Workshop on aiming for excellence, pathways to institutional advancement through research on 27th & 28th Feb, 2018	Dr Aditya Kumar Singh
5	Workshop of air issues, pollutants signature & its control on 5th Feb, 2018 at REC, arranged by ME Dept.	All the students & faculties of ME Dept.
6	Workshop for TEQIP faculties at IIT Kharagpur from 6th to 10th Feb, 2018	Mr. Diptimaya Behera, Ms. Nikki Chanda, Ms. Komal Kumari
7	Workshop for TEQIP faculties at IIT Kharagpur from 18th to 24th Feb, 2018	Ms. Renuka Sahu Ms. Shalini Mishra
8	Workshop on Best Practices in Engineering Education on 12th & 13th Feb, 2018	All faculties of REC
9	Workshop on NBA Accreditation in New Delhi on 8th & 9th Feb, 18	Dr Aditya Kumar Singh, Dr Nazmul Islam
10	PDT at IIM, Kozhikode for TPO from 26/02/18 to 02/03/18	Mr. Kaushik Das & Mr. Tridib Pramanick
11	PDT at IIM, Bangalore from 29th to 31st March, 2018	Dr Mohit Chattopadhyay
12	Workshop on Outcome Based Education on 16th & 17th March, 2018	All faculties of REC
13	Workshop on expenses for the regional Annual Budget as per AICTE mandate in Lucknow on 11th April, 2018	Dr Sharbani Roy & Dr Aditya Kumar Singh
14	PDT at IIM Kashipur from 21st May to 25th May, 2018	Mr. Bhaskar Das & Mr. Subhajit Paul
15	PDT at IIM Udaipur from 14th to 18th May, 2018	Dr Aditya Kumar Singh & Mr Pankaj Sarkar
16	Workshop for PDT at IIM Raipur from 7th to 11th May, 2018	Dr Sourabh Sinha & Mr. Sumit Gupta

17	FDP at IIT Gandhi Nagar from 28th May to 1st June, 2018	34 faculties of REC
18	International Conference at NIT Patna from 4th to 6th June, 2018	Mr. Shivesh Kumar
19	FDP for effective teaching at Dumka Engineering College from 8th to 10th June, 2018	Mr. Deb Kumar Chatterjee, Mr. Diptimaya Behera, Mr. Deepak Kumar, Mr. Surajit Dutta, Dr. Shiv Kumar, Mr. Budhram Boipai
20	a short term course on corrosion and its control at NIT Rourkela from 9th to 14th June, 2018	Mr. Bagesh Bihari
21	faculty conclave from 25th to 29th July, 2018	Mr Pankaj Sarkar, Mr Abhishek Mukherjee
22	PDT at IIM Indore from 4th to 6th July, 2018	Mr. Mohit Chattopadhyay
23	NBA workshop for preparation of SAR in the presence of mentor college at REC from 20th to 23rd July, 2018	All faculties of REC
24	PDT at IIM Kashipurur from 24th to 28th Sept, 2018	Mr. Bagesh Bihari
25	PDT at IIM Raipur from 13th to 15th Sept, 2018	Dr Nazmul Islam
26	workshop on Real World application of distributed constraint optimization techniques & autonomous systems from 24th to 28th Sept., 2018 at BIT Sindhri	Mr. Abhishek Mukherjee
27	Workshop on Mcontroller based embedded system at BVB, Hubli from 26.10.18 to 30.10.18	Dr Sudipta Chakraborty
28	Workshop on Robotics with the help of BVB, Hubli at REC from 29th to 31st October, 2018	All the students and faculties of ME Dept. of REC
29	Conference on Engineering for Innotation to product & service at Pune Local Centre on 13th & 14th Oct, 2018	Dr R. P. Sharma
30	Workshop of Koha & Library Automation at Chaibasa Enggineering College on 12th Oct. 2018	Mr. Biswajit Malick

31	PDT at IIM Udaipur from 19th to 20th November, 2018	Mr. Mohit Chattopadhyay
32	PDT at IIM Raipur from 26th to 30th Nov, 2018	Mr. Pinaki Ranjan Das & Ms. Sushmita Palmal
33	Workshop on equity action plan at Bhubaneshwar on 30th Nov, 2018	Mr Bhaskar Das
34	Workshop on cloud computing organized at REC, Ramgarh during 3rd to 5th Dec, 2018	All the students and faculties of CSE Dept.
35	International Conference on ICQRT 2018 at Delhi University during 27th to 29th Dec, 2018	Dr Aditya Kumar Singh
36	ECE Seminar on Optical N/WS & IOT Embedded Systems during 6th to 7 th Dec, 2018	All faculties & students of ECE Dept.
37	PDT at IIM Trichy from 3rd Dec to 7th Dec, 2018	Mr. Kaushik Das
38	International Conference on Soft Materials (ICSM - 2018) at Malviya National Institute of Technology, Jaipur during 9th to 14th Dec, 2018	Mr. Pradip singha
39	NBA Workshop for SAR checking of ECE & ME Dept. at REC with expert of mentor college from 26th to 27th Dec, 2018	All the faculties of ME & ECE Dept. of REC
40	PDT at IIM Indore from 28th Jan to 1st Feb, 2019	Ms. Priyanka Saha
41	PDT at IIM Udaipur from 19th Jan to 21st Jan, 2019	Dr Sharbani Roy
42	PDT at IIM Kashipur from 27th Jan to 31st Jan, 2019	Dr Ganesh Shankar & Mr. Subhajit Paul
43	Meeting at NPIU, New Delhi on 6th Jan, 2019	Mr. Mohit Chattopadhyay & Dr Sudipta Chakraborty
44	Visit to mentor institute BVB, Hubli to review the twinning activities from 26th Feb to 27th Feb, 2019	Mr. Mohit Chattopadhyay, Dr Sudipta Chakraborty & Dr Aditya Kumar Singh
45	PDT at IIM Kozhikode from 28th Jan to 1st Feb 2019	Dr Aditya Kumar Singh
46	Visit to BVB, Hubli for initiation of Start-up activities & establishment of incubation centre from 12th Feb to 14th Feb, 2019	Mr. Bhaskar Das, Mr. Kundan Kumar & Mr. Pradip Singha
47	PDT at IIM Raipur from 11th to 15th Feb, 2019	Shamsher Alam, Sugan Abhishek Mundu

48	SLA Orientation workshop at AICTE in New Delhi	Sugan Abhishek Mundu, Pankaj Sarkar, Aditya Kumar Singh, Priyanka Saha
49	NPIU - MHRD training workshop on web based new academic MIS at NIT Kurukshetra on 29.03.19	Ashim Kumar Mahato
50	Workshop at NIT Jamshedpur during 21st to 25th Jan 2019	Nikki Chanda
51	Workshop on Finite Element Analysis at REC with mentor institute person for ME Dept. from 28th to 30th March, 2019	All faculties & students of ME Dept

14. Students' Internship Data

The major reason behind unemployment of B.Tech. students are skill gap and lack of practical knowledge. Both of these issues can be addressed with meaningful internships as they provide the students with an opportunity to update their skill-set by deploying them in a real-time environment. REC is concerned of these issues and send the students for internships in different industries. The details are given below:

Sl. No.	Name	Industry Name	Branch	Duration
1	Md. Akram Ansari	Central Coalfield Limited (C.C.L), Darbhanga House, Ranchi, Jharkhand	EE	4 weeks
2	Mr. Ravi Ranjan Kumar			
3	Mr. Manohar Kumar Jha			
4	Mr. Pankaj Kumar			
5	Mr. Prasun Kumar	C.P.W.D, Ranchi Central Circle Dist.Ranchi	CE	
6	Mr. Ritesh Kumar Rana	POWER GRID CORPORATION OF INDIA LTD. ERST – I, RHQ SHASTRI NAGAR, NEAR TR GROUND PATNA - 800023	EE	
7	Mr. Rajesh Kumar	Central Coalfield Limited (C.C.L), Darbhanga House, Ranchi, Jharkhand	EE	
8	Mr. Shashi Ranjan Kumar			
9	Mr. Vicky Kumar			
10	Mr. Prakash Kumar Tiwary	Central Coalfield Limited (C.C.L),	ME	

11	Mr. Akash Kumar Nayak	Barkakana , Jharkhand	
12	Mr. Manmohan Mahato		
13	Mr. Suryakant Sharma		
14	Ms. Surbhi kumar	BSNL Training Centre Patna, Bihar	ECE
15	Mr. Mukesh Kumar Yadav	Central Coalfield Limited (C.C.L), Barkakana , Jharkhand	CE
16	Mr. Vishal Sourabh		
17	Mr. Rupam Raj		
18	Mr. Jitendra Kumar	C.P.W.D, Ranchi Central Circle Dist.Ranchi, Jharkhand	CE
19	Mr. Ashiwani Kumar Tanti		
20	Mr. Rakesh Kumar		
21	Mr. Praween Singh		
22	Mr. Dayanand Marandi		
23	Mr. Mukesh Kumar Yadav		
24	Mr. Kundan Kumar		
25	Mr. Anshu Ram		
26	Ms. Ritu Singh	Tata Steel, Jharia Division	CE
27	Ms. Sanju Kumari		
28	Ms. Prabha kumari	Bokaro Thermal Power Station (B.T.P.S), Bokaro Thermal (DVC), Bokaro	EE
29	Ms. Raj Laxmi		
30	Ms. FebiSamitaTurkey		
31	Ms. Manisha Oraon		
32	Mr. Bhaibhaw Kumar	Central Coalfield Limited (C.C.L), Darbhanga House RANCHI-834029	EE
33	Ms. Pallavi Gupta		
34	Ms. Sangeeta Kumari		
35	Mr. Anant Kumar Sah		
36	Mr. Raj Kishor Mahto	Central Coalfield Limited (C.C.L), Darbhanga House RANCHI-834029	EE
37	Mr. Khushal Ranjan		
38	Mr. Navneet Kashyap		
39	Mr. Dhananjay Kumar Mahto		
40	Mr. Jitendra Kumar	Central Coalfield Limited (C.C.L), Darbhanga House RANCHI-834029	CE
41	Mr. Subham Kumar		
42	Mr. Tinku Kumar		
43	Mr. Vijay Kumar		
44	Mr. Anant Kumar Sah	Central Coalfield Limited (C.C.L),	CE

45	Mr. Ranjan Kumar	Darbhanga House RANCHI-834029	
46	Mr. Kundan Kumar		
47	Mr. Ashwani Kumar Tanti		
48	Mr. Vishal Kumar Bhagat	Central Coalfield Limited (C.C.L), Darbhanga House RANCHI-834029	CE
49	Mr. Praveen Toppo		
50	Mr. Manish Kumar		
51	Mr. Vikash Tana Bhagat		
52	Mr. Rohit Kumar	Kalyan Bhawan”, Bharat Coking Coal Limited (BCCL), Dhanbad, Jharkhand	EE
53	Mr. Ashvini Kumar Ray		
54	Mr. Kumar Shubham	Kalyan Bhawan”, Bharat Coking Coal Limited (BCCL), Dhanbad, Jharkhand	CSE
55	Mr. Ram PritNonia		
56	Mr. Rishu Raj		
57	Mr.Dipesh Beck Bhagat	Bharat Sanchar Nigam Limited, Landmark: Near Jumar River, Ranchi, Jharkhand	ECE
58	Mr Arun Kumar Rana		
59	Mr Anuj Kumar Soni		
60	Mr Bipin Kumar		
61	Mr Viru Kumar Batiha		
62	Ms.Anukriti Gupta		
63	Ms. Akanksha		
64	Ms.BabliLugun		
65	Ms.Vibha Kiran Kachapp		
66	Ms.Kiran Kumari		
67	Ms.Simran Kumari		
68	Ms.YamunaGari		
69	Ms.Tulika		
70	Ms.Neha Kumari		
71	Mr. Vikash Tana Bhagat	Central Coalfield Limited (C.C.L), Rajrappa , Jharkhand	CE
72	Mr. Manish Kumar		
73	Mr. Vishal kumar Bhagat		
74	Mr.Praveen Toppo		
75	Mr. WaquarYonuse	Kalyan Bhawan”, Bharat Coking Coal Limited (BCCL), Dhanbad, Jharkhand	ME
76	Mr. Anubhav Kumar Jha		
77	Mr. Rishikesh Prasad Singh		
78	Mr. Sonal Shekhar	C.P.W.D, Ranchi Central Circle	CE

79	Md. Hanif	Dist.Ranchi, Jharkhand		
80	Mr. Subham Kumar			
81	Mr. Sujit Kumar			
82	Mr. Ranjan Saurav			
83	Mr. Sonu Kumar			
84	Mr. Vikash Tana Bhagat			
85	Mr. Manish Kumar			
86	Mr. Vishal Kumar Bhagat			
87	Mr. Praveen Toppo			
88	Mr. Tinku Kumar			
89	Mr. Vijay Kumar			
90	Mr. Sanju Oraon			
91	Mr. Ranjan Kumar			
92	Mr. Mithlesh Kumar			
93	Mr. Khushal Ranjan			
94	Mr. ManamohanMahato	Central Coalfield Limited (C.C.L), Barkakana	ME	
95	Mr. Kumar Agastya			
96	Mr. Lalu Kr. Mahto			
97	Mr. Nooruzzaman			
98	Mr. Raj Kishor Mahto	C.P.W.D, Ranchi Central Circle Dist.Ranchi, Jharkhand	CE	
99	Mr. Navneet Kashyap			
100	Mr. Sandeep Kumar			
101	Mr. Bhaibbaw Kumar			
102	Mr. Kumar Gaurav			
103	Mr. Simran Jeet			
104	Mr. Hari Shankar Kumar			
105	Mr. Ranjan Kumar			

15.Campus Placement Data

This institute has organized several professional training and grooming sessions by experts for the students to make them competent in the recruitment drives. Nowadays, interpersonal skills are very necessary to meet the requirements of the recruiters. Therefore, three grooming

sessions were conducted in the campus. And for more enhancement, one technical training was conducted at Salt Lake in Kolkata where around 150 final year students participated. All the training and grooming sessions were organized by highly skilled professionals and industry-oriented experts. Due to this endeavor, students have successfully passed the initial barriers in the campus recruitment drive. A total of 25 – 30 recruitment drive, both pool campus and on campus have been organized for students.

REC always strives for the welfare of students. The college is located in regional area and till now only two batches are pass out. Therefore, not very highly reputed companies come for placement. But our students are doing well in placement and they are placed in good and reputed companies. Day by day the condition is improving. We hope for the best. The details of placement is given below:

REC PLACEMENT DATA				
S.No.	Name	Batch	Dept.	Company
1	Rahul Kumar Singh	2014-18	MECH	Meetra Energy
2	Sumit Kumar	2014-18	MECH	Meetra Energy
3	Kumar Sankalp	2014-18	MECH	Meetra Energy/OPTRA Automation
4	Sanjay Kumar Dasondhi	2014-18	MECH	Meetra Energy
5	Dayanand Prasad	2014-18	MECH	Meetra Energy
6	Puja Anand	2014-18	MECH	Hercules Infratech Pvt. Ltd.
7	Dinesh Pandey	2014-18	MECH	Hercules Infratech Pvt. Ltd.
8	Mukesh Kumar	2014-18	MECH	Bhushan Power & Steel Ltd.
9	Azad Kumar	2014-18	MECH	Bhushan Power & Steel Ltd.
10	Anand Kumar	2014-18	EE	Meetra Energy/OPTRA Automation/Bhushan Power & Steel Ltd.
11	Shanawaz Ansari	2014-18	EE	Meetra Energy/CINIF Technologies/Bhushan Power & Steel
12	Akhilesh Kumar	2014-18	EE	Meetra Energy
13	Abdul Rehan	2014-18	EE	Meetra Energy/Bhushan Power & Steel Ltd.
14	Prasadi Shaw	2014-18	EE	Meetra Energy
15	Vikash Kumar Shaw	2014-18	EE	Meetra Energy/Bhushan Power & Steel Ltd.
16	Priyanka Kumari	2014-18	EE	OPTRA Automation
17	Akashy Kumar	2014-18	EE	OPTRA Automation
18	Rahul Kumar	2014-18	EE	OPTRA Automation
19	Basant Lal	2014-18	EE	OPTRA Automation

20	Sudhanshu Raj	2014-18	EE	CINIF Technologies
21	Rahul Dutta	2014-18	EE	CINIF Technologies
22	Pankaj Kumar	2014-18	EE	CINIF Technologies
23	Nitish Kumar	2014-18	EE	CINIF Technologies
24	Guru Prasad Jaiswal	2014-18	EE	Bhushan Power & Steel Ltd.
25	Puja Kumari	2014-18	ECE	OPTRA Automation
26	Simran Kumar	2014-18	ECE	OPTRA Automation/CINIF Technologies
27	Vivek Kumar Mahato	2014-18	ECE	OPTRA Automation
28	Sachin Gurunani	2014-18	ECE	OPTRA Automation
29	Pradhan Aditya	2014-18	ECE	CINIF Technologies
30	Radhikesh Kumar	2014-18	CSE	CINIF Technologies
31	Shubhendu Shekhar	2014-18	CE	Anguri Narayani
32	Navin Kumar	2014-18	CE	Anguri Narayani/Forward Infrastructure
33	Chandrashekhar Prasad	2014-18	CE	Anguri Narayani
34	Rajan Kumar	2014-18	CE	Forward Infrastructure
35	Deepak Mehta	2014-18	CE	Forward Infrastructure

16. Research and Development

R&D (Research & Development) plays a very important role in the success of an organization. It is the R&D function that provides a platform for creativity and innovation to flourish in an organization. When we talk about quality improvement then it becomes very important to have a R&D facility, which is beneficial for faculty & student both. Hence, we wish to have a R&D facility to encourage creativity & better research.

- IEEE international conference

We are planning to conduct few international IEEE conferences in the coming academic year.

17. Conferences Held

Department of Basic Science & Humanities, Ramgarh Engineering College, Ramgarh organized National Seminar on Current Trends in Theoretical & Computational Research - 2019 (CTTCR-2019) on 26th April 2019 where participants from Hubli, (Karnataka), Raipur (Chattisgarh), Allahabad & Aligarh (UP), Bihar, Calicut (Kerala), West Bengal, and Jharkhand

were present and presented their research works. Total 21 research papers have been published in this seminar.



18. Collaborative Activities

Seven collaborative research proposal has been submitted by faculty members of REC. And our faculty members have collaborated with reputed institutes' faculty members like IITs, NITs etc.

19. Start-Up cell of REC

"Start -Up" Cell of Ramgarh Engineering College aims to Implement "Start-UP India " Initiative from institute level to make students 'Job Creators' rather than 'Job Seekers'. Here the Cell aims to identify the Potential idea from students & would help to transform them into Start-Up Entrepreneurs.

20. Achievements:

➤ NPTEL Local Chapter

REC has the facility of NPTEL Local Chapter and hence has the local storage of all NPTEL online courses. Furthermore, this college can be an examination centre for NPTEL online certification courses.

➤ Library

Fully equipped and developed library is available in this institution. The book bank consists of 18674 books along with several journals. Furthermore, the library has indigenously developed



digital library with 1000 e-books in the local server. The college intends to add a further amount of 5000 e-books to be uploaded to the local server by the end of this year. Students in the college campus can easily access the e-books.

➤ Fully Wi-Fi campus

Entire campus is Wi-Fi enabled with a speed of 16MBps. Students can access internet facilities from their hostel rooms. Faculty members can also use the internet service from their residence throughout the day.

➤ Tree Plantation Program:

Every year this college organizes 'Tree Plantation program'. Almost 250 plants have been planted under this program. This program is not only an initiative for beautification of the campus but also to make the campus pollution free and to promote Clean India Green India.

➤ Technical Fest 'Techfeasta'

For last three years, this college has been organizing annual technical fest *Techfeasta*. Students from all other schools and colleges participate in the program displaying their technical knowledge and dexterity. It encourages the students to develop technical skills, explore new age technologies and a collaborative nature to work as a group.

➤ Pradhan Mantri Kaushal Vikas Yojna (PMKVY)

Apart from its own activities, this institution has participated in several government programs like PMKVY. The faculty members of this college are actively engaged in imparting education to the local uneducated people to enable them as technically skilled laborer under this program.

➤ Vittiya Saksharta Abhiyan (VAS)

This institution is also dedicated to the society and hence participated in ‘Vittiya Saksharta Abhiyan’ as a step towards demonetisation and Digital India. It has organized a seminar on cashless transactions and provided the local administration around 15 students for spreading the awareness for demonetisation in locality.

➤ Funding assistance from TEQIP III

We have become part of few privileged institute in this state of Jharkhand, which has got TEQIP III fund assistance. We have already started & accomplished many works under this project (like Language lab, computer lab, subscription of e-journals etc). Our faculty members & students are constantly receiving training from several IITs, IIMs, on many subjects under this project. We are providing several coaching assistances to the students by the industry /professional people related to the field

➤ Playground developed and achievements

Sports plays an important role in educating students as it teaches them to become strong from inside and also help students imbibe leadership skills. We have already developed three playgrounds namely; Football, Basketball and Volley Ball ground.

Achievements in Sports:

- i. REC football team won state level championship (VIRJA 2019)
- ii. REC volleyball team became runners up in state level championship.
- iii. REC basketball team became quarter finalist in state level championship.
- iv. We have organized annual sports in our campus.

➤ Teaching Learning Process–Outcome Based Education

We follow Outcome Based Education (OBE). Our teaching learning process is as follows:

- A lesson plan must be prepared by every teacher for each subject. Lesson Plan contains course outcomes and its mapping with Program Outcome and Program Specific Outcome, Syllabus

with Lecture plan, information about books, topic wise Learning Outcome with sample questions. This lesson plan must be given to all the students by the concern faculty members.

- Teaching Learning Process may be Chalk-Talk, PPT, project based, etc.
- 80% of Syllabus is taught by Teacher and 20% (Easier Portion) of the syllabus is taught by the Students themselves.
- Group Study Environment is conducted once in a month by each faculty for each subject.
- Each batch is divided into several groups of maximum Five Students. Each group must submit two mini projects with softcopy reports, one from the subject knowledge of previous semesters and another from the knowledge of current semester. One project must be submitted within one month and another may be submitted in the end of the semester.
- Each faculty must take at least two Quiz test of 10 marks for each subject. All of these must belong to Blooms Taxonomy level L5& L6.
- Our faculty adapt the role of instructor, trainer, facilitator, and/or mentor based on the outcomes targeted.

21. Financial Information

<i>Total Revenue</i>	Rs. 5,49,60,300/-
<i>Total Expenses</i>	Rs. 5,28,29, 004/-
<i>Surplus over Expenses</i>	Rs. 21,31,296/-

Audit report is attached as part of this Report

AUDIT OF FY 2018-19 IS IN PROGRESS AND WILL BE SUBMITTED ONCE COMPLETED