

*This report is submitted to the Honorable Visitor of the  
University  
Her Excellency 'Governor of Jharkhand'  
as well as to the  
'Dept. of Higher & Technical Education', Government of  
Jharkhand  
In accordance with  
Sub-section 3 of section 46  
and  
Sub-section 4 of section 47  
Of Jharkhand Rai University Act 2011  
(Jharkhand Act 03 of 2012).*

*Best efforts have been put in to incorporate full  
and correct information*

***Registrar***

## **TABLE OF CONTENTS**

- 1. Introduction**
- 2. Infrastructure details**
- 3. Teaching & Non Teaching Staff Profile**
- 4. Students Profile**
- 5. Academics Events**
- 6. Social Responsibility**
- 7. Co-curricular Events**
- 8. Achievements**

### **Annexure-A**

- a. Audit Report**

### **Annexure-B**

- a. Jharkhand Vision Document**

### **Annexure-C**

- a. Launch of Jharkhand MOOCs**

### **Annexure-D**

- a. Prospectus**

## INTRODUCTION

Jharkhand Rai University (JRU) has been established by Jharkhand State Legislature under “Jharkhand Rai University Act, 2011”. Located in the serene city of Ranchi, JRU is characterized by a tradition of innovation, novelty and research. We aspire to be a vibrant academic community with a focus on teaching and learning. Our aim is to create a knowledge pool for the State of Jharkhand by serving the needs of diverse communities. JRU continuously strives to provide the highest quality of education to its students through dynamic research, rigorous training and efficient mentors. Our faculty members are unique and exceptional in their own ways. They are experts in their fields and professionals in their own right who bring creativity, ingenuity and resourcefulness into the classroom. At JRU they can enjoy diverse opportunities for intellectual, personal and professional growth because we believe in fostering pioneering minds and nurturing intellectuality and individuality. We endeavour to create the best possible learning environment for our students and are committed to the cause of making higher education accessible to all irrespective of caste, colour or creed. We believe education is one of the primary agents of transformation towards development and plays an important role in bringing benefits by developing the skills of the people.

We do understand the fact that infrastructure and other basic amenities are an integral part of an institution and therefore consistently try to enhance both teaching and learning in an ambience, that is not only well designed and well equipped but also secure and comfortable as well.

## INFRASTRUCTURE

Jharkhand Rai University is presently located at Kamre, Ratu Road, Ranchi and its 20 acres Campus at Raja Ulatu, Namkum, Ranchi is presently under construction.

The Kamre premise has one lakh sq. ft of built up area and is divided into four blocks having multiple floor levels in each block. There is 60,000 sq ft available for academic purpose and 40,000 sq ft for boys and girls hostel. The facility is housed in a seven acre plot, In addition to the report submitted in the previous financial year, we have added Equipments & Books in our Laboratories, Workshops and Library. The updated status of our infrastructure is as follows:

### Academic Block

Lecture Halls/ Tutorial rooms	-	27
Administration / Accounts	-	05
Staff Rooms	-	07
Examination Cell & Strong Room	-	01
Drawing Hall	-	01
Reading Room	-	01
Conference Hall	-	01



## Laboratories & Workshops

### Physics Laboratory

List of Equipment available at the Physics Laboratory is:

Sl. No.	Item Description
1	Vernier Callipers
2	Screw Gauge
3	Spherometer
4	Stop Clock
5	Metal bob Brass ½''
6	Retort Stand
7	Magnifying lens
8	Traveling Microscope
9	Prism (Big equilateral face Superior)
10	Telescope Reading
11	Melde's Apparatus
12	Lee's & disc Apparatus with bad conductor Ebonite disc
13	Keter's Pendulum
14	Searle's Apparatus for Elasticity Constant
15	Physical Balance
16	Weight box-gram
17	Weight box-milligram
18	Spirit lamp
19	Potentiometer (ten meter wire)
20	Pencil Jockey Spare
21	Grating holder
22	Spirit Level
23	Newton's ring apparatus-only the microscope (caption 1)
24	Plane Transmission grating
25	Spectrometer Basic

Sl. No.	Item Description
26	Power Supply (0-12)V
27	Power Supply (0-30)V
28	Stewart and Gee's apparatus
29	Plug Key 1 way
30	Plug Key 2 way
31	Ammeter
32	Milli Ammeter
33	Micro Ammeter
34	Rheostat (0-100 Ohm)
35	Rheostat (0-1000 Ohm)
36	Connection Wire (50-100 grams) With cutter
37	Galvanometer
38	Voltmeter
39	Multimeter
40	Battery Eliminator
41	Sodium Vapour Lamp 35 Watt
42	Mercury lamp
43	Thermometer (0-100 <sup>0</sup> C)
44	Thermometer (0-300 <sup>0</sup> C)
45	Commutator
46	Meter Bridge
47	Resistance box 10 ohm's
48	Leclanche cell
49	Daniel cell

**Chemistry Laboratory**

List of Equipment available at the Chemistry Laboratory is:

Sl. No.	Item Description
1	Air Oven
2	Aqua-Pipette
3	Aesbestos-Pad
4	Basin China Clay
5	Beaker 1000 ml Glass
6	Beaker 600 ml Glass
7	Beaker 250 ml Glass
8	Beaker 100 ml Glass
9	Beaker 50 ml Glass
10	Beaker 1000 ml Plastic
11	Blow Pipe Brass
12	Burette
13	Burette Stand Iron
14	Burette Clamps
15	Burette Stand & Clamp
16	Charcoal Blocks
17	Conductivity Meter Digital
18	Conical Flask 500 ml
19	Conical Flask 250 ml
20	Conical Flask 100 ml
21	Conical Funnel Glass
22	Conical Funnel Plastic
23	Dewars Flask Glass
24	Droppers
25	Distillation Unit
26	Electronic Balance Globus
27	Electronic Balance Wensar
28	Electronic Balance at Wick
29	Filter Paper
30	Flat Bottomed Flask
31	Glass Electrodes
32	Gas Cylinder
33	Hot Plate
34	PH METER

Sl. No.	Item Description
35	Pipette.
36	Pipette Stand Plastic
37	Litmus Paper
38	Mortar & Pestle Small
39	Mortar & Pestle Big
40	Nickel Wire Holder
41	Reagent Bottle.
42	Round Bottom Flask
43	Rubber Cork
44	Short Container Bottle
45	Bottle Winchester
46	Spatula
47	Stop Watch
48	Test Tubes
49	Test Tube Brush
50	Test Tube Holder
51	Test Tube Stand
52	Thermometers
53	Tongs
54	Tripod Stands
55	Triangular File
56	Wash Bottle
57	Watch Glass.
58	Copper Water Bath.
59	Electrical Water Bath.
60	Brass Weight Box
61	Wire Gauge
62	Volumetric Pipette 25ml
63	Volumetric Pipette 10 ml
64	Burette 50 ml Pinch Cock
65	Burette Clamp Metal
66	Conical Funnel Big Size Plastic
67	Beaker 250 ml
68	Beaker 100 ml
69	Ethanol 500 ml
70	Potassium Nitrite

Sl. No.	Item Description	Sl. No.	Item Description
71	Sodium Hydroxide Pellets	83	Methylene Blue
72	Sodium Carbonate	84	Methyl Red
73	Potassium Ferrocyanide	85	Ethyl Alcohol
74	Oxalic Acid	86	Conical Flask
75	Distilled Water 5 Litres	87	Ammonium Iron Sulphat
76	Lime Water 500 ml	88	Potassium Dichromate
77	Kipps Apparatus	89	Oxalic Acid
78	Kjeldahl's Distillation Apparatus	90	Sodium Carbonate
79	Hygrometer	91	Wash Bottle
80	Thermometers	92	Platinum wire
81	Selenium Powder Black	93	Di - Phenyl amine
82	Phosphoric Acid	94	Rubber Tube

### Electrical & Electronics Laboratory & Workshop

List of Equipments available at the Electrical & Electronics Laboratory & Workshop is:

#### Electrical Laboratory

Sr. No.	Items/ Name of Assets
1	Loading Rheostat 3KW 3 Phase
2	Tachometer 2 in 1
3	1-Phase( $\phi$ )-Transformer
4	DC Motor
5	Auto Variac Transformer
6	Panel for Load Characteristics of DC Series Motor
7	Variable Voltage Auto Transformer
8	3-Phase( $\phi$ )-Induction Motor
9	DC Machine
10	Digital Tachometer
11	Induction Motor Control Panel
12	Electrical Work Bench

Sr. No.	Items/ Name of Assets
13	Panel for Measurement of Power in Three Phase Circuit by Three Wattmeter Method
14	Panel for Measurement of Power in Three Phase Circuit by Two Wattmeter Method
15	Measurement of Efficiency of Single Phase Transformer(Direct loading)
16	Determination of Parameter and Losses in a Single Phase Transformer by OC and SC Test.
17	Starting and Reversing of DC Shunt Motor
18	Load test of DC Shunt Motor
19	Measurement of Power in Three Phase Circuit by CT,PT and Three Phase Wattmeter.
20	Variac 4 Amps Three Phase
21	Variac 8 Amps Single Phase
22	Loading Rheostat 2 KW Single Phase in 8 Step of 250 Watt Each.
23	Transformer 1KVA/230 VAC With Tapping at 50% and 86.6%
24	Starter DC Motor 1 HP(3 Point)
25	Loading Arrangement for DC Shunt Motor 1HP
26	Speed Control of DC Shunt Motor ( by Armature and Field Control Method)
27	DC Shunt Motor 1HP

### Power Electronics Laboratory

Sr. No.	Items/ Name of Assets
1	SCR Firing Circuit Kit
2	Switching Action of BJT
3	Switching Action of FET
4	Thyristor Firing Circuit Kit
5	SMPS Trainer Kit
6	Triode valve Characterstic Trainer Kit
7	Zero Voltage Switching Using SCR
8	Step Up Chopper
9	SCR Single Phase Half Wave, Full Wave Fully Controlled Bridge Rectifier/Converter
10	Three Phase Fully Controlled Converter
11	Single Phase Cyclo Convertter
12	Chopper Circuit
13	Single Phase Half Controlled DC Drive
14	MOSFET Characteristics Trainer Kit
15	DIAC Characteristics Trainer Kit
16	SCR Characteristics Trainer Kit
17	TRIAC Characteristics Trainer Kit



**Communication Laboratory**

Sr. No.	Items/ Name of Assets
1	Frequency Modulation and Demodulation Kit
2	Amplitude Modulation and Demodulation
3	Pulse Amplitude Modulation and Demodulation
4	Analog Signal Sampling and Reconstruction Kit
5	Amplitude Modulation and Demodulation
6	Antenna Trainer Kit
7	PAM(Pulse Amplitude Modulation)
8	PWM(Pulse Width Modulation)
9	Amplitude Modulation
10	Study of 2 Band Radio Receiver Demonstration Kit
11	Pulse Width Modulation and Demodulation
12	Pulse Amplitude Modulation and Demodulation
13	Pulse Width Modulation and Demodulation
14	Phase Shift Keying Modulation and Demodulation
15	Pulse Position Modulation and Demodulation
16	Frequency Modulation and Demodulation

**Basic Electronics Laboratory**

Sr. No.	Items/ Name of Assets
1	Multimeter
2	Oscilloscope 20 MHz
3	3 MHz Function Generator
4	DC Regulated Power Supply
5	LCRQ Bridge
6	Excel Power Supply
7	Auto Complete LCRQ Meter
8	Tuned Collector Oscillator
9	Wein Bridge Oscillator
10	PN Junction Diode Characteristics
11	FET Characteristics
12	Transistor Characteristics
13	T and Pi Attenuators
14	Maximum Power Transfer Theorem
15	Phase Shift Oscillator

Sr. No.	Items/ Name of Assets
16	Study of Rectifiers and Filters
17	Operational Amplifier Characteristics
18	Two Port Network Parameter
19	Operational Amplifier as Active Filters Trinity
20	Transient Response of RLC Circuit
21	Thevenin's and Norton's Theorem
22	MOSFET Characteristics
23	Superposition Theorem
24	Single Stage RC Coupled CE Amplifier
25	Single Stage RC Coupled CE Amplifier
26	Clipping and Clamping Circuit
27	Resistor 10 $\Omega$ ,1/4 Watt
28	Resistor 100 $\Omega$ ,1/2 Watt
29	Resistor 1K $\Omega$ ,1/4 Watt
30	IC LM 324
31	IC7808CV
32	LED Multicolor
33	LED Blue
34	LED Yellow
35	LED Red
36	LED Green
37	LED White
38	IC 741
39	IC7404LS
40	IC 7408LS
41	IC7432LS
42	IC7400LS
43	IC7410LS
44	IC CD 4011
45	IC CD 4001
46	IC 7420LS
47	IC 7486
48	IC 7432
49	IC 74153
50	IC 74139
51	IC 74148
52	IC 7447
53	IC 7476
54	IC 74193
55	IC 7416

Sr. No.	Items/ Name of Assets
56	IC 7495
57	IC NE 555
58	IC 7490
59	IC 2N 2222 Black
60	IC 723
61	Resistor 1k $\Omega$ ,1 Watt
62	IC 7402
63	Operational Amplifier
64	Variable Capacitor
65	SCR
66	UJT
67	DPDT Switch 2A
68	DPDT Switch 5A
69	Diode 1N 4001
70	Diode 1N 4007
71	Bread Board Trainee with Power Supply (General Purpose)
72	Digital Lab Trainee with Bread Board
73	SPST Switch 2A
74	Resistor 10 $\Omega$ ,1/2 Watt
75	Regulated DC Power Supply (0-30)
76	1MHz Function Generator
77	Operational Amplifier , Gain Vs Bandwidth
78	Operational Amplifier Parameters
79	Multiple Power Supply
80	Multimeter
81	Digital Tachometer
82	Regulated DC Power Supply
83	IC 74192
84	IC 565
85	IC 7483
86	IC 7805
87	IC 7905
88	IC 2N 2222 Metal
89	Capacitor 1 $\mu$ F
90	IC CD 4029
91	IC 7485
92	IC 74125
93	IC 7492
94	ICL 7812CV
95	IC 7405

Sr. No.	Items/ Name of Assets
96	IC 4028
97	IC 74109
98	BC 548
99	CL100S
100	BC 107
101	BC 547
102	Capacitor 1000 $\mu$ F
103	Capacitor 100 $\mu$ F
104	Capacitor 47 $\mu$ F
105	Capacitor 22 $\mu$ F
106	Capacitor 0. 47 $\mu$ F
107	Capacitor 1 $\mu$ F
108	Capacitor 220 $\mu$ F
109	Capacitor 1 $\mu$ F,50V
110	Capacitor 2.2 $\mu$ F
111	IC 4013
112	IC 4040
113	IC 4511
114	TYN 410
115	Fuse 5A Small
116	Fuse 5A Big
117	Fuse 5A Original Small
118	Fuse 5A Original Big
119	BNC to BNC
120	BNC to Crocodile for CRO
121	Copper Plate
122	Ferrous Chloride ( Iron III CHLORIDE)
123	Voltmeter 0-30 V( Square)
124	Ammeter 0-100 mA (Round)
125	Metravi Digital Multimeter (Model 702)
126	Connecting wire
127	Voltmeter 0-20 V (Round)
128	Ammeter 0-20mA (Round)
129	Ammeter 0-100mA (Round)
130	Ammeter 0-200mA (Round)
131	Voltmeter 0-20V (Square)
132	LDR
133	Diode Characteristics
134	LED Characteristics
135	FET Characteristics

Sr. No.	Items/ Name of Assets
136	Logic Gate Characteristics
137	IC 555 Timer
138	OP-Amp Based Sinusoidal and Non Sinusoidal Wave Generator
139	OP-Amp as Inverting Non-Inverting & Difference Amplifier with 1 Digital
140	OP-Amp as Differentiator and Integrator
141	Electronic Work Bench
142	Sensor Trainer
143	Digital IC Trainer
144	AC/DC bridge Circuit Exp Panels.
145	Single Stage Tuned Amplifier
146	Single Stage Negative Feedback Amplifier
147	Phase Shift Oscillator
148	Collpitts Oscillator
149	Crysrtal Oscillator
150	Zener Diode Trainer Kit

### Digital Electronics Laboratory

Sr. No.	Items/ Name of Assets
1	Study of Modulo Counter
2	1 GHz Frequency Counter
3	4 Bit Decade Counter
4	Digital Trainer
5	Encoder/Decoder Module
6	Multiplexer /Demultiplexer Module
7	Study of Adder/Subtractor
8	8 Bit ADC (Successive Approximation Method)
9	Digital to Analog Converter
10	Basic Logic gates
11	RS,D,T and JK Flip Flop

### Microprocessor Laboratory

Sr. No.	Items/ Name of Assets
1	8085 LCD Trainer
2	8085 Microprocessor Trainee Kit

**Electrical and Electronics Workshop**

Sr. No.	Items/ Name of Assets
1	Soldering Iron
2	1- Way Switch
3	Solder
4	Paste
5	Tape
6	Desoldering Pump
7	Tester
8	Cutter
9	Screwdriver Set
10	Diamond File
11	Nipper
12	Taparia Plier
13	Captain Circlip
14	Wire Stripper
15	Holder
16	Screwdriver Set
17	Crimping tool
18	Digital Multimeter
19	PVC Board
20	PVC Board
21	1.0 mm Wire
22	1.5 mm Wire
23	2.5 mm Wire
24	Screw
25	Plash 6mm
26	Plash Nose 6 mm
27	Cross Hammer
28	Ball Peen Hammer
29	Haksaw Blade
30	Inch Tape
31	Hacksaw 14mm
32	Hacksaw 16mm
33	Haksaw frame
34	Hand Drill
35	Hammer Taparia
36	Chisels 8mm
37	Chisels 6mm

**Mechanical Laboratory & Workshop**

List of Equipments available at the Mechanical Laboratory & Workshop is:

**Heat and Mass Transfer Laboratory**

Sl. No.	Item Description
1	Conduction (Heat Transfer Through Composite Walls).
2	Conduction (Composite Cylinders Experiment).
3	Convection(Experiment on Heat Transfer from Tube).
4	Convection (Experiment on Shell & Tube Heat Exchanger).

**Automobile Laboratory**

Sl. No.	Item Description
1	Cut Section of a Cylinder 4-Stroke Diesel Engine.
2	Cooling System of an Automobile.
3	Lubrication System of an Automobile.
4	Study and Experiment of Automobile Braking System.
5	
6	Solex Carburetor Cut Section Model.
7	Study and Experiment on Fuel Supply System of S.I. Engine.
8	Carburetor.
9	Fuel Injection Pump.
10	Sudy & Experiment on Fuel Supply System of C.I. Engine.
11	Injector.
12	Fuel Pump.
13	Battery Ignition System.
14	Cut Section of 1- Cylinder 2- Stroke Petrol Engine of Scooter.
15	Cut Section of 1- Cylinder 4- Stroke Petrol Engine of MotorCycle.

**Internal Combustion Engine & Gas Turbine Laboratory**

Sl. No.	Item Description
1	A Cylinder 4-Stroke Diesel Engine Test Setup.

**Engineering Mechanics Lab.**

Sl. No.	Item Description
1	Model of Winch Crab Mechanism.
2	Model of Screw-Jack Mechanism.

Sl. No.	Item Description
3	Polygon law of Forces Apparatus with Iron Slotted Weight & Pan.
4	Deflection of Clark-Maxwell's Theorem.
5	Bending of Beam Apparatus.
6	Friction Slide Apparatus.
7	Compound Lever.
8	Bell Crank Lever.

### **Kinematics of Machine Laboratory**

Sl. No.	Item Description
1	Simple Gear Mechanism.
2	Compound Gear Mechanism.
3	Epicyclic Gear Train Apparatus.
4	Reversing Gear Mechanism.
5	Demonstration of Differential Gear Mechanism.
6	Worm & Worm Wheel Mechanism.

### **Fluid Machinery Laboratory**

Sl. No.	Item Description
1	Orifice Meter Test Rig.
2	Notch Tank Apparatus.
3	Closed circuit Bernoulli's theorem
4	Metacentric Height Test Rig.
5	Closed Circuit Reynold's Apparatus.
6	Closed circuit Bernoulli's Theorem Test Rig.
7	Closed Circuit Venturimeter Test Rig
8	Reciprocating Pump Test Rig.
9	Centrifugal Pump Test Rig.
10	Hydraulic Ram Test Rig.

### **Strength of Material Laboratory**

Sl. No.	Item Description
1	Universal Testing Machine.
2	Torsion Testing Machine.
3	Impact Testing Machine.
4	Flywheel.



**Thermal Engineering Lab.**

Sl. No.	Item Description
1	Model of Wabcock and Wilcox Boiler.
2	Locomotive Bolier.
3	Lancashire Boiler.

**Refrigeration and Air Conditioning Laboratory**

Sl. No.	Item Description
1	Refrigeration Test Rig.

**Workshop:****Electrical Arc Welding shop**

Sl. No.	Item Description
1	Welding Machine.
2	Electrode Holder.
3	Welding Hand Screen.
4	Welding Gloves.

**Gas Welding Shop**

Sl. No.	Item Description
1	Flashback Arrestor.
2	Safety Goggles.
3	Torch Lighter.
4	Hammer.
5	Spanner Double Handed.
6	Oxygen Gas Cylinder.
7	Acetylene Gas Cylinder.
8	Clamps.
9	Wire Brush.
10	Steel Rule .
11	Pliers.
12	Centre Punch.
13	Tongs.
14	Bastard Files.
15	Try Square.
16	Slide Wrench.
17	Flat Chisels.

**Fitting Shop**

Sl. No.	Item Description
1	Steel Table.
2	Bench Vice.
3	Hand Drill Machine.
4	Drill Bit.
5	Straight Snip.
6	Bastard Files.
7	Hacksaw Frame.
8	Centre Punch.
9	Ball Peen hammer.
10	Steel Foot Rule.
11	Hand Tap.
12	Try Square.
13	Inside Calliper.
14	Outside Calliper.
15	Flat Chisels.
16	Wire Brush.
17	Hand Tap Handle.
18	Oil Cane.
19	Scriber.
20	Pillar Drill Machine.
21	Triangular File.
22	Steel Tape.
23	Steel Rule.
24	Try Square.
25	Hand Groover.
26	Mallet.
27	Hatchet Stake.
28	Jenny Calipper.
29	Number Punch.
30	Letter Punch.

**Carpentry Shop**

Sl. No.	Item Description
1	Carpentry vice
2	Rasp Cut File
3	Chisels

Sl. No.	Item Description
4	Hand Saw
5	Deep Cutting Hacksaw Frame
6	Iron Jack Plain
7	Hand Drill Machine
8	Gimlet
9	C - Clamp
10	Claw Hammer
11	Cross Peen Hammer
12	Steel Tape
13	Hexagonal Chisels
14	Steel Rule
15	Divider
16	Firmer Chisels
17	Mortise Chisels
18	Scriber
19	Pincer
20	PVC Handle
21	Mallet
22	Screw Driver Set
23	Spanner Set

### **Machine Shop**

Sl. No.	Item Description
1	Lathe Machine
2	Milling Machine
3	Surface Gauge.
4	Oil Gun.
5	Turning Tool.

## ***A Glimpse of Laboratories & Workshops at JRU..***



**NOTE: Equipments available in Sufficient Quantity to cater the needs of Students intake.**

## Library

The University library currently occupies 1500 sq ft area in the academic block. The library has 22000 books and journals of different streams i.e. Management, Engineering, IT, Communication and Soft skills.



## Reading Room

Since the library has its space available only for books storage, a nearby room of another 1500 sq. ft. is allocated for reading and web browsing purpose. News papers, magazines and other periodicals are available for reading.



## Computer Laboratory

The Computer Lab has four servers, one router, five network switches and 60 machines. The total size of the Laboratory is 1500 Sq ft.



## Conference Hall

A Conference Hall of 1000 sq.ft. is available for Board Meetings and important programs like Seminar, Ph.D Viva, etc.

## Drawing Hall

The Drawing Hall situated on the ground floor of academic block is a large one to accommodate 60 students in one batch.



## Internet connectivity / Wi-Fi Facility

The University has upgraded its dedicated lease line from 2 MBPS to 5 MBPS this year through tower connectivity. The campus is Wi-Fi and the connectivity is available to all the students and staff members using laptops / smart phones.



## Study Room / Study Area for Hostel Inmates

All Hostel Inmates have access to the ground floor area of academic block during morning hours and evening time for study purpose. Total area available for this purpose including a covered class room is around 4000 sq. ft.

## Students' Mess

The mess kitchen & dining area are capable of handling more than 2000 students where Breakfast, Lunch and Dinner are served. The mess has a well equipped store room having grocery and vegetable stocked for minimum one week. Planned, nutritious and unlimited food is served to the students to ensure that they are physically and mentally fit. Presently the mess has a 500 sq.



ft. kitchen facility and 1500 sq. ft. dining area. The mess facility is provided with highly subsidized rates to students especially to those in SC /ST /OBC category

## Canteen

The canteen caters day scholars and staff members. Presently fast food items and snacks are served in affordable prices. The canteen and its kitchen are functioning in a 1500 sq ft area on the ground floor of academic block.



## Hostels

The University provides hostel facility for both boys and girls. Presently it is capable of servicing 1500 boys and 800 girls inside the campus. The facility is dormitory type as well as rooms in apartments ensuring best social life and security for students.



## Staff Quarters

There are sixteen staff quarters in two blocks. Each block houses eight apartments. Each 2BHK apartment has 600 sq ft carpet area.





## TEACHING & NON TEACHING STAFF PROFILE

**Total employee strength - 231**

**Teaching Staff - 95**

Faculty	-	79
Dean Academics	-	1
Dean - Admissions	-	1
HOD – Engineering	-	1
HOD – Computer science	-	1
HOD – Management	-	1
HOD – Students Welfare	-	1
Librarian	-	1
Library Assistants	-	2
System Administrator	-	1
Lab Assistants	-	6

**Non-Teaching Staff - 136**

HR Department Head	-	1
Administration head	-	1
HR/Administration Support	-	20
MARCOM and MIS Department	-	8
Admission Department	-	24
Data Entry operator	-	7
Male and Female Security Guards	-	17
Guards at Namkum Campus	-	4
Peon and Housekeeping Staff	-	20
Driver, Plumber, Gardner, Electrician, Carpenter-	6	
Mess Supervisor	-	1
Mess/Canteen Staff	-	27

**Below mentioned is the list of few senior faculty members:**



**Prof. Gyan Prakash Sharan**

Gyan Prakash Sharan is a Professor in the Department of Science and Engineering at Jharkhand Rai University. Prof. Sharan earned his Masters in Mathematics from Patna University and Ph.D from Ranchi University. The topic of his doctoral dissertation was, “Study of Basic Hyper Geometric functions and Basic Analogues” and was also awarded UGC teacher fellowship (1977-80) for his research work. Apart from presenting research papers in seminars and conferences, he has also authored various research papers that have been published in national and international journals. Prof. Sharan has a rich experience of 38 years and during this span he has worked at different positions in Universities and colleges. He has worked as Dean - Faculty of Science, Ranchi University, Head - University Department of Mathematics, Ranchi University, Chairman-Engineering Cell, Ranchi University, Director- MCA Course, Ranchi University, apart from being the member of Academic Council and Examination Board of Ranchi University. He has also worked as Assistant Controller (Examinations) and as Bursar (Accounts) in St. Columbus College, Hazaribag. Prof. Sharan has also guided various Ph.D research scholars in areas like Operations Research, Mathematical Modelling and Special Functions.



**Prof. Dharendra Prasad Pandey**

Dhirendra Prasad Pandey is a Professor in the Department of Science and Engineering at Jharkhand Rai University. Prof. Pandey has earned his M.Tech. from ISM Dhanbad in First Class with specialisation in Industrial Engineering and Management) and B.Sc in Mining Engineering from ISM Dhanbad itself with First Class. He also owns the PG Diploma in Personnel Management and Industrial Relation from Annamalai University. Prof. Pandey has a rich experience of 36 years and during this span he has worked at different Managerial positions in Collieries & Offices of Subsidiaries of CIL (a Maharatana CPSU) since July 1974. He was the Chief General Manager (Mining) in the Project Appraisal Division of CMPDI (HQ) - Ranchi.



**Prof. Brahamchari Rajendra Prasad Singh**

Brahamchari Rajendra Prasad Singh is a Professor in the Department of Science and Engineering at Jharkhand Rai University. Prof. Singh has earned his B.E from University of Allahabad (Now NIT Allahabad). Prof. Singh has a rich experience of 36 years and during this span he has worked as Asst. Engineer with Gandake Area Dev. Agency - Muzaffarpur (Bihar Govt.), Ganga Pump Canal – Munger, Triveni Canal – Raxaul, Ranchi Municipal Corporation; Minor Irrigation Dept. of Garhwa, Giridih and Gumla.



**Prof. Sanjeev Kr. Sinha**

Sanjeev Kr. Sinha is M.Sc in chemistry from Patna University, SMP from IIM Calcutta & Ph.D from Sidhu Kanhu Murmu University - Dumka. He has three papers published; one in an international journal & two in national journals. He has attended two national level seminars & one state level seminar. He has written two books of ninth and tenth level of CBSE courses in chemistry published from Paras Publication, New Delhi. He has worked as Assistant Professor in chemistry in A.N. College - Dumka of Sidhu Kanhu Murmu University for last twelve years. Presently he is working as Assistant Professor in the Department of Science and Engineering at Jharkhand Rai University Ranchi.



**Prof. Vikas Kr. Sinha**

Vikas Kr. Sinha is working as Asst. Professor in the Department of Science and Engineering. He is a Mechanical Engineer by profession and currently pursuing PhD. He is supported with total more than fourteen (14+) years of experience in the field of Industrial Mechanical Engineering and Technical Education. He has worked for eight (8) years as Asst. Project Manager at the site of TATA Steel, Jamshedpur on behalf of Hindustan Dorr-Oliver Ltd. and various other sites of Barbil, Odisha. He has gained experience for two years as faculty in Mechanical Engineering Department at Vidya Memorial Institute of Technology, Ranchi. He has completed a certification course on Auto-CAD organized by State Board of Technical Education, Department of Science & Technology, Govt. of Jharkhand. He has also headed as the Head Examiner for I.T.I on deputation by labour, employment and Training Directorate, Jharkhand. He has published papers in different seminars & conferences organized by The Institution of Engineers (India) & Council on Science & Technology, Govt. of Jharkhand.



**Prof. Shraddha Prasad**

Shraddha Prasad an M.Sc.in Physics from Ranchi University, Ranchi; She has submitted her Ph.D Thesis in Birla Institute of Technology, Mesra, Ranchi. She has got 4 research papers published in different reputed International journals with good impact factors e.g. Elsevier, etc. and 3 research papers presented in different International Conference / Seminars within India. She has more than 7 years teaching experience in educational sector, and about two and a half year research experience as a Project Fellow in U.G.C Project in Birla Institute of Technology, Mesra, Ranchi. Presently she is currently working as Assistant Professor in the Department of Science and Engineering at Jharkhand Rai University, Ranchi. Her areas of research are Nonlinear Optics, Solitons, and All-optical Devices.



**Prof. Anup Tiwari**

Anup Tiwari is an M.Tech. (in Electronics and Communication) in VLSI Design (ECE) from Lovely Professional University and presently pursuing Ph.D. He serves as Assistant Professor in the Department of Science and Engineering. His research area includes Fast Fourier Transformation which is a very wide field in Communication. In Master of Technology dissertation, he implemented VLSI using Verilog for FFT with an improved technique. FFT has much application in communication system as well as signal processing system. He has also worked on projects like controlling of electronic and electrical appliances through voice recognition, PCB and Automatic Green House effect. He has also published several research papers in international Conference.

**Prof. Abinash Kumar Barnwal**



Abinash Kumar Barnwal presently working as a faculty member in the Department of Science and Engineering. He has completed his B.E (ME) from NMU with 1st Class. He has gained experience of about one year as faculty in Mechanical Engineering Department at, NETGi Thakurgaon, Ranchi. He was involved in the project named "Green Air conditioner with double cooling effect" which is under patent process. The project was sponsored under Innovative Entrepreneurship Development Scheme by NSTEDB, Department of Science & Technology, Govt. of India, New Delhi under Innovative entrepreneurship Development Scheme. He has qualified GATE 2013 examination also.



**Prof. Kislay Singh**

Kislay Singh is designated as a faculty member in the Department of Science and Engineering. He has an experience of more than 4 years of teaching in various Engineering colleges. He has completed his B.E. (Mechanical Engineering) from RGPV (The Technical University of Madhya Pradesh) in 2010 with 1st class. He was involved in the project which was based on the design of a convective heat exchanger.



**Prof. Om Prakash Satyam**

Om Prakash Satyam, a Master in Production Technology had started his career as a Trainee Engineer in the Production of Heavy Farming Equipments at Punjab Agro Based Ltd., based on Bhatinda, Punjab, in April 2012. After gaining industry experiences in Production, Om Prakash

Satyam started his career in academics with BM Groups of Institutions, Gurgaon, in their B. Tech Department, since July' 2012. Mr. Satyam, a Gate qualified Engineer, has published his thesis, titled, "To Study the effect of Process Parameters on Mechanical Properties of Mild Steel in Sub-merged Metal" in IJMEIT. His area of interest includes "Strength & Material", "Machine Design", "Production Technology", etc. presently he is working with Jharkhand Rai University as a faculty member.



**Prof. Neha Keshri**

Neha Keshri is working as a faculty member in the Department of Science and Engineering at Jharkhand Rai University, Ranchi. She holds a Master's degree in Mathematics from the Post Graduate Department of Mathematics, Ranchi University. She has submitted her Doctoral thesis in the Department of Applied Mathematics at the Birla Institute of Technology (BIT), Mesra. She was receiving the BIT Institute Fellowship for pursuing her research work. She has an experience of teaching academic courses both at the Under Graduate and Post Graduate levels for the last four years. She is an active researcher who has a number of publications in journals of very high international repute. She has also attended and presented papers at several conferences in various parts of the country. She was nominated for the prestigious NASI-Scopus Young Scientist Award 2013 for her research contributions. Her research interests include non-linear dynamics and mathematical modeling of real world problems



**Prof. Dheeraj Kumar Pandey**

Dheeraj Kumar Pandey has done M.Sc. in Physics from University of Rajasthan, Jaipur and M.Phil in Physics from Alagappa University, Tamilnadu. Has 10 years of experience in teaching the subject of Physics to all level of Science Stream from Senior Secondary to B.Tech courses. He has worked as Lecturer at several Institutions of repute viz. IET Group of Institutions & MITRC under Rajasthan Technical University and Parishkar College, Jaipur under University of Rajasthan, Jaipur. His area of specialization is Microwave Electronics. He has attended International Seminar on Fibre Optics organized by IIT, Delhi. He has done research projects on RC-Coupled Amplifiers, Nuclear Detectors and AM-Spectroscopy as a co-curriculum of M.Sc. & M.Phil courses of Study. Mr. Pandey has won First Prize in "Rajasthan Genius Award Competition-1995 & 1997". He is a member of "Rajasthan Physics Association" since 2006. Apart from above Prof. Pandey has done PG Diploma in Management from JK Business School, Gurgaon in Marketing & International Business. He has done project work on International Tendering & Bidding Process of Power Plants at BHEL Headquarters, New Delhi at 1000 MW Super Critical Power Plant at Jhajjar Plant, Haryana. Presently he is working as a faculty member in Department of Science and Engineering at Jharkhand Rai University, Ranchi.



**Prof. Ravi Shankar Kr. Singh**

Ravi Shankar Kr. Singh is working as a faculty member in the Department of Science and Engineering. He has completed his B.TECH in Civil Engineering from CIT, Ranchi with first class Distinction. He has involved in Project of “Integrated Bridge & ROB over Subarnarekha River at Namkum “and “Analysis of Price variation of Construction material and Labour (Plinth Area Rate) since 1950 in India with R&D of SAIL”. He has a good academic career and awarded with various Prizes and Certificates in Co-curricular and extra-curricular activities. He was placed in PRADAN which works for Natural resources management after his completion of B.TECH and also worked as a Member of Civil Engineering Society previously.



**Prof. Rani Kumari**

Rani Kumari is working with Jharkhand Rai University as a faculty member since February 2015. She has done B. Tech in Electronics & Communication Engineering & is perusing her M.Tech. Her area of interest includes “Basic Electrical & Electronic Engineering”, “Microwave and Antenna Engineering” “Digital Electronics”, “VLSI”, “Analog Electronics” and “Analog Communication”, etc. prior to joining Jharkhand Rai University, she worked with Birsa Institute of Technology (Trust), Ranchi as a Lecturer in Electronics & Communication Dept.



**Prof. Pallavi Mukherjee**

Pallavi Mukherjee is working with Jharkhand Rai University as a faculty member since February 2015. She has done B.Tech in Electronics & Communication Engineering and is perusing her M.Tech from ISM Dhanbad. Her area of interest includes “Basic Electrical & Electronic Engineering”, “Analog electronics” and “Digital Electronics”, Microwave and Antenna Engineering” etc. Prior to joining Jharkhand Rai University, she worked with National Informatics Centre, Khunti in PFMS Project for 1 year 6 months and also worked as District Programme Officer in UIDAI project for 3 months.



**Prof. Rahul Prakash**

Rahul Prakash is currently working as a faculty member in the Department of Science and Engineering. He has completed Master’s Degree in EEE department from BIT Mesra. He has done several projects based on applications of microcontroller. He has completed Bachelor’s Degree in Electronics and Instrumentation Engineering. He has qualified GATE 2012



with AIR of 1214. He is an alumni and one of the founders of TEAM AVION which works on Robotics. His areas of interest include Robotics, Modeling of physical systems, control systems, instrumentation, digital electronics and analog electronics. He has organized workshops based on application of microcontroller in robotics sponsored by TEQIP and UGC.



**Prof. Ved Prakash Singh**

Currently working as a Faculty member in the Department of Science and Engineering at Jharkhand Rai University. He is also associated with Examination Department of Jharkhand Rai University. He has completed M.Sc. from J.P. University, Chapra and currently pursuing Ph.D. He has more than Six years of experience in teaching & Administration (Academic In charge, Examination Controller) in various Engineering Colleges. He was involved in the project “Floride containment water in different district in Jharkhand” sponsored by Jharkhand State Government. He has published two research papers in international Journals.



**Prof. Sumit Kumar Pandey**

Presently working as a faculty member in the Department of Science and Engineering at Jharkhand Rai University. He is also associated with Examination Department of the Jharkhand Rai University. He has four years of experience in teaching. He is into extensive academic writing and published the papers in various acclaimed journals like IEEE, Springer, Elsevier, etc and has attended several international conferences. He is member of “The institution of Electronics and Telecommunication Engineers society” and a reviewer of Journal of Advances in Science & Technology, India. His major areas of Interest include Nonlinear Control Systems, Neural Networks & Fuzzy Logic. He has done his M.Tech from BIT, Mesra and is also pursuing his Ph.D from NIT, Durgapur.



**Prof. Bhupesh Kumar Mahatha**

Bhupesh Kumar Mahatha has done his M.Sc. (Mathematics) from Vinoba Bhave University, Hazaribag and B.Ed. from Ranchi University, Ranchi. He is pursuing Ph. D. in Applied Mathematics from KIIT University, Bhubaneswar, Odisha on the research topic entitled, “A Theoretical investigation of Magneto hydrodynamic Nanofluid flow over a stretching sheet”. He has published two research papers in different journals of international repute with good impact factors and communicated three manuscripts in different peer reviewed referred International Journals. He has also presented three of his research papers in various International Conferences / Seminars. He more than four years of teaching experience in different educational institutes, including BIT,

Sindri, Dhanbad and about two and half years of research experience (Aug'2012 to Jan'2015) as a full time Research Scholar in KIIT University, Bhubaneswar. Presently he is working as a faculty member in the Department of Commerce and Management, Jharkhand Rai University, Ranchi.



**Prof. Rahul Kumar Dubey**

Rahul Kumar Dubey is working as a faculty member in the Department of Mechanical Engineering. He has worked as Service and Production Engineer for 1 year in paint manufacturing Industry. He has undergone a project in distillation of Naphtha in Tatra Allied Product. His research area also includes design and working of Hybrid Chimney and generation of electricity under the process of power generation in Dual Renewable Source of Energy. He has also undergone Technical Seminar on Hydro Jetting Machines.



**Prof. Leena Shrivastava**

Leena Shrivastava is presently working as Asst. Professor & HOD - Dept. of Management and Academic Coordinator at Jharkhand Rai University, Ranchi. She has qualified NET, LLB and pursuing Ph.D. Acquired 15+ yrs of experience on a continuous path of Professional development in the field of Human Resource Management as a facilitator in Academics (Business schools) as well as in corporate assignments as well as Trainer. She has a corporate experience in reputed organizations like Britannia Industries Ltd., Shalimar Paints, Centax publication ltd and worked as a trainer in the corporate like Asset International, Birsa Seva Sansathan, Jindal Power Ltd., has been working as academician in Bharti Vidya Bhawan, CMC School of Business ,Rai Business School, Delhi, Jindal Institute of Power Technology, MIMT, Sadguru school of education since last 14yrs. She has also published and presented papers in various journals, national and international conferences and seminar. She has also written a book on 'Psychology of Success Management'



**Prof. Ashfaque Alam**

Presently working as Assistant Professor in Department of Commerce and Management, he has served the Sales and Distribution Industry for almost four years at managerial capacity in automobile and financial sectors.. Engaged in the education industry since last six (6) years he has taught at S N Sinha Institute of Business Management, Ranchi & at Ranchi University, Ranchi .He has been awarded Doctorate Degree by Ranchi University, Ranchi (Dept. Of Commerce & Business Management) in 2012 on the topic, "Indian Labour Policy during Planned Economic Development -A Critical Study." Also Qualified UGC NET Exam in June 2013. Dr. Ashfaque Alam has also presented Twelve (12) papers in International/National conferences and seminars, he has also Published Six (6) Research Papers in peer reviewed refereed International Journals , he is also supervising Five (5) Ph.D Research Scholars at Jharkhand Rai



University, Ranchi. He is also the life member of Ranchi Management Association (R.M.A) under the aegis of All India Management Association (A.I.M.A.).



**Prof. Amrita Majumdar**

Amrita Majumdar completed her graduation from The University of Burdwan and her post graduation in Management from Uttar Pradesh Technical University, Lucknow. She has 1 year corporate experience in various profiles of HR and 5 years in academics, teaching various papers in Human Resource Management and General Management. She has published as well as presented several research papers in the area of Management and CSR. Presently, she is working as a faculty member in the Department of Commerce and Management at JRU. She is also pursuing her Ph.D.



**Prof. Harmeet Kaur**

Harmeet Kaur is presently working with Jharkhand Rai University as an Assistant Professor in the Department of Commerce and Management. Her area of expertise is Finance and Business Accounting. She has more than 6 years of Academic & Research experience apart from the freelance teaching assignments that she has undertaken during her career. In the current and previous organizations, she has been a key resource person and can deftly handle multiple responsibilities that range from teaching, coordination of class and student activities, planning and administering university examinations and other administrative responsibilities as well. She also engages in domain related research by actively publishing various research papers and has also presented various papers both at the national and international conferences. She brings in energy and fun-filled contemporary knowledge trends into the classroom that can make learning an effortless process. At Jharkhand Rai University she is the currently heading the Examination Department wherein she proficiently leads, synchronizes team activities and complements the team performance. She is a structured personality who can proactively predict and strategize for the overall growth of the organization.



**Prof. Rashmi Raj**

She has done Post Graduation in Management from Delhi and M.A in English from Patna University and is currently perusing her Ph.D. Adept with 8+ years of teaching experience, she has an expertise in teaching Management Papers at B.B.A and M.B.A levels at various colleges of Ranchi University and also at Study Centre of Sikkim Manipal University and I.G.N.O.U. She has been teaching core papers of Marketing and H.R in Vocational Department[B.B.A] at Doranda College, a constituent unit of Ranchi University, Ranchi. She also has an experience of teaching Management papers at St. Xavier's College an Autonomous College of Ranchi University. Apart from Management papers she has been teaching English subject in Intermediate Section Arts, Science and Commerce of Jharkhand Academic Council at

Doranda college Ranchi. She has been taking Communication/ Soft Skill and Personality Development classes for students of B.B.A, M.B.A, B.C.A, M.C.A at Dr. Zakir Hussain Institute study centre of Sikkim Manipal University and NIIT centre. Prior to teaching, she has an experience of working in corporate sector like Inox Global Services Limited Gurgaon, Satyam Infoways Limited, New Delhi in managerial capacity. Presently she is working at Jharkhand Rai University in the Department of Commerce and Management.



**Prof. Roshan Kumar**

He is presently working as Assistant Professor, Department of Commerce and Management, at Jharkhand Rai University, Ranchi, with more than six years of academic experience. He has done Post Graduate Diploma in Business Administration from Graduate School of Business Administration, Greater Noida in Marketing and Finance and M.com from Khalsa College Amritsar and is currently perusing his Ph.D. He is UGC-NET qualified in Management and currently pursuing PhD from Punjab Technical University. His area of interest is marketing management, services marketing, consumer behaviour, industrial marketing, financial accountancy, financial management and financial services. Roshan Kumar has also presented two papers in National conferences. He has also published six Papers in reviewed refereed international and national Journals.



**Prof. Abhishek Pratap**

Abhishek Pratap is designated as Assistant Professor and placed in the Department of Commerce and Management at Jharkhand Rai University. He has around 10 years of experience, out of which he has six years of academic experience. He has worked in various reputed organisation like Cholamandalam Ms General Insurance, Usha martin Academy, St. Xavier's College and so on. He has done his MBA from ICFAI business school, Mumbai & BBA from BIT Mesra and has also awarded his Ph.D in Management from B.R Ambedkar, Bihar University. He is UGC-NET qualified in Management and also holds a licentiate certificate from Insurance Institute of India. His area of interest is Marketing Management and related papers. Mr. Pratap has presented various papers in National conferences. He has also published various Papers in reviewed refereed international and national Journals. He has also been actively engaged in training students in retail domain as part of Skill development conducted by NSDC.



**Prof. Niti Kunwar**

Niti Kunwar is associated with the Department of Commerce and Management at Jharkhand Rai University. She is Masters in English Literature from St. Xavier's College, Ranchi and a B.Ed. She has around 7 years of teaching experience in various colleges and Institutes of repute.

She has also mentored students in Trinity College of London Examination for Communicative Skills. Her areas of interests are Personal Grooming, Personality Development, Business Communications, Behavioural Management, Etiquettes, Phonetics, and Spoken English etc. Her teaching methodologies are activity based learning, Group Activities, Role Plays, Extempore, Debates and many more other activities.



**Prof. Anupama Verma**

Anupama Verma has done M.SC, MCA and M.Phil. in Computer Science. She has about 10 years of experience of teaching Computer Science to College and University students. She has worked at Gossner College, Ranchi and Doranda College, Ranchi (A Constituent College of Ranchi University), Dr. Zakir Hussain Institute, a study centre of Sikkim Manipal University, Institute of Science and Management, Pundag, Ranchi. She has been enrolled as project guide at IGNOU, BRA Bihar University study centre and guided many students in MCA projects. She has developed some accounting and billing software for PMS Enterprises Patna. She has developed some more software in Visual Basic, Oracle etc. Currently, she is associated with Jharkhand Rai University in its Department of Computer Science and IT.



**Prof. Shuchi Priya**

Shuchi Priya is working as an Assistant Professor at Jharkhand Rai University in the Department of Computer Science and IT, Ranchi Jharkhand. She did her Graduation from Ranchi University, Jharkhand with Maths Hons. Then, she completed her MCA from Jawaharlal Nehru University and pursued her M.Tech. from Jawaharlal Nehru University itself in Computer Science. Her area of research in M.Tech. was “Parallel Gauss-Sheild method for Dense Matrix on Hypercube”. Her area of interest is Oops Concepts and Automation Theory. She worked in “Aricent Group” as a Software Engineer for almost 2 years. She has qualified UGC-NET examination also.



**Prof. Swati Kumari**

Swati Kumari has done M.Tech (CSE) from BIT, Mesra. She is having 5 years of experience (Industrial and teaching). More than One year of experience at Wipro Technology as a Software Developer (Dept. of testing, Domain-Java) and more than 2 years of experience at CIT, Ranchi as a lecturer as well as a project guide (Dept. of CSE). She has published many research papers in different International refereed journals & also presented several research papers in different International Conferences. She is working as an Assistant Professor with Jharkhand Rai University. Her area of research includes “Cloud Computing, Wireless sensor Network, Quantum Cryptography, Neural Networks & Fuzzy Logic etc.



**Prof. Biswarup Samanta**

Biswarup Samanta, working as an Asst. Professor in Department of Computer Science and IT with Jharkhand Rai University, Ranchi, since Feb'2015. He has more than 12 years of teaching and administrative experience in MCA, MBA, M.Sc-IT, B.Tech, B.Sc-IT, BCA, and BBA programs of various national level B-Schools and colleges, since 2003. He is pursuing Ph.D in Computer Sc. and his research area is "Developing and Analyzing Dynamic Models on the Attack of Worms in E-Commerce Network". He had presented his research paper in, "International Conference on Advances in Engineering and Technology" and the same is also published in IJRASET with good impact factor. Prof. Samanta, a Chemistry Graduate, holds a double Post Graduate degree in "Computer Applications" and "Management (Systems & Mkt.)", respectively. Apart from attending one month FDP at ICFAI, Hyderabad and 2 weeks FDP in Entrepreneurship at Ranchi, sponsored by NSTEDB, Department of Science & Technology, Government of India, he has also conducted and attended many seminars, workshops, FDPs & MDPs in IT and Management, respectively, throughout India. He was also appointed as a resource person for IGNOU Interactive Live Radio Counselling Program at Gyan Vani FM (105.4 MHz) for MCA program. Prior to joining the JRU, Prof. Samanta had worked with Usha Martin Education & Solutions Ltd. for 5 years, ICFAI University for 5 years and 2 years for Sikkim Manipal University.



**Prof. Pooja Jha**

Pooja Jha is working as Assistant Professor in the Department of Computer Science and IT. She is currently pursuing her PhD from BIT Mesra in the area of Software Metrics. She has a work experience of about four years and research experience of three years. She is holding Masters Degree in Computer Science from BIT Mesra. She has published a couple of research papers in international journals and conference. She has also contributed a chapter in "IT Enabled Practices and Emerging Paradigms", publisher Excel Books in 2008. She has attended FDP at IIT Kharagpur, ASBM Bhubaneswar and CIT Ranchi. Prior to joining JRU, she was a Faculty (IT) and Controller of Examinations at Institute of Science and Management, Ranchi. Her areas of interest are Software Engineering, Java, C, C++.



**Prof. Priyanka Srivastava**

Priyanka Srivastava is presently working as Assistant Professor in the Department of Computer Science and IT. She is currently pursuing Ph.D from BIT, Mesra in the area of Digital Image Processing. She completed her Master in Information Technology Birla Institute of Technology. She has teaching

experience in reputed organizations like Metas Adventist College, Birla Institute of Technology (Lalpur), Usha Martin Academy, Dr. Zakir Husain Institute. Apart from teaching she is presently associated with Examination Department and “Spoken Tutorial Project” by IIT Bombay. She has great interest in Research and Publication with few publications in International Conferences and International Journals. She has been awarded with “BEST PAPER AWARD” in International conference of Finance and Business Management held at Ranchi University.



**Prof. Sudhanshu Maurya**

Sudhanshu Maurya is designated as Assistant Professor in the Department of Computer Science and IT. Currently, he is pursuing PhD in Computer Science on the topic, “Security and Privacy aspects of Mobile Cloud Computing”. He acquired Masters Degree in Computer Science from Central University of Rajasthan, Rajasthan and his specialization is “Artificial Intelligence”. He has completed his Bachelor’s Degree in Information Technology from HNB Garhwal Central University, Uttarakhand. He contributed as a Research fellow at NIT Surat on the project of “CAIM Discritization of Columnar DBMS” and JNU, New Delhi. He has attended numbers of conferences, seminars and workshops in various renowned Institutions like IIT Guwahati, IIT Patna, NIT Surat, NIST Burhanpur, ITM University Gwalior, Central University of Rajasthan and many others. Prior to joining the JRU, he had worked with Yogoda Satsanga Mahavidyalaya – Centre for Vocational Studies, Ranchi.



**Prof. Laxmi Kumari Pathak**

Laxmi Kumari Pathak is working in the Department of Computer Science and IT in Jharkhand Rai University, Ranchi. She has done M.Tech in CSE from West Bengal University of Technology. Her research area in M.Tech. is “Video Data Detection and Analysis”. Prof. Pathak has more than 2 years of teaching experience. She has got 2 research papers published in different International journals. She has presented a research paper in a national level seminar. She has also participated in 3 Staff Development Programs and attended lots of seminars.

## STUDENTS PROFILE

**2012 Batch** - 44

**2013 Batch**

B. Tech. - 43

Diploma in Engineering - 165

Management - 83

Computer Science - 258

**Total** - **549**

**2014 Batch**

B. Tech. - 240

Diploma in Engineering - 1056

Management - 131

Computer Science - 102

**Total** - **1529**

**Passed out students in 2014** - **12**

**Passed out students in 2015** - **38**

## **CAREER MANAGEMENT CELL (CMC)**

The robust and proactive training cell of Jharkhand Rai University is called “Career Management Cell”. It works in support of students giving them direction and resource to acquire the necessary skills to make them employable ready. The Career Management Cell is a team of experienced professionals who optimize their relationship with the industry experts in order to groom the students in the best of their capabilities. The main objective of the Career Management Cell is to create a platform where the employers can come and select fresh talents from the campus. Activities like Summer Internships, mentoring programs and on job trainings, research projects are attempts to bridge the gap between the budding professionals and their prospective employers.

### **KEY ACTIVITIES OF CAREER MANAGEMENT CELL (CMC):**

- Industry based Research Projects
- Summer Internship Programs
- Personality Development
- Career Counseling
- Mentorship Programs
- Mock Interviews
- Seminars
- Strong Industry Interface

### **KEY-MEMBERS OF CAREER MANAGEMENT CELL (CMC):**

- Dr. Piyush Ranjan (Dean – Academics)
- Prof. Biswarup Samanta
- Prof. Amrita Majumdar
- Prof. Kislay Singh
- Prof. Pratyush Anand
- Prof. Trisha

CMC @ JRU has been successful enough for conducting trainings of our Students at various private and public sector organizations like CCL; HEC; PTPS; USHA MARTIN; SAIL; ADHUNIK POWER LTD.; INDIABULLS; BAJAJ ALLIANZ; DAMODAR VALLEY PROJECT, Patratu; PHED, Govt. of Jharkhand ; Water Resource Dept, Govt. of Jharkhand and many more.



## ACADEMIC EVENTS

At JRU, it is our endeavor to take education beyond classroom. With this aim in mind, The Career Management Cell was constituted to dedicate itself to bring eminent corporate icons and luminary academicians for guest lecture sessions.

### A List of Guest Lecture held from April 2014 onwards:

S.No.	Date	Guest Speaker	Designation	Topic
1	20 <sup>TH</sup> NOV	NAND KUMAR AJAD	SIGNAL & TELECOM OFFICER, IES	SIGNAL OPERATION & PROFIT & LOSS REGARDING INDIAN RAILWAY
2	7 <sup>TH</sup> NOV	Mrs. Vanadana Sahu	Freelancer trainer	Emotional Intelligence
3	7 <sup>TH</sup> NOV	Mr. Vikrant Kumar	Store Manager, Big Bazar	Retailing
4	22 <sup>nd</sup> NOV	Mr. Ashish Kumar	State Head ROW(Right of Way)	Entrepreneur and Entrepreneurship
5	22 <sup>nd</sup> NOV	Mr. Dhanajay Kishore		Life skills personality development
6	25 <sup>th</sup> NOV	Dr. D.K.Singh	Director Ground Water Management Cum Superintending Engineer	Ground water & Green Building
7	14 <sup>TH</sup> FEB 2015	ABHIJIT SINHA	CHIEF MANAGER (DGM RANK ENGINEER)	ROLE OF IT IN MINING



## OFF CAMPUS EVENTS

As young adult it is important to be involved and encouraged in community with one another. JRU Strives in giving its students the opportunity to be active, get to know each other and most importantly develop creativity.

**A List of off - campus events participated by the students:**

S.NO	DATE	EVENTS	VENUE
1	16.04.15	Management Fest	BIT MESRA
2	17-18th March	RYLA	ISM PUNDAG
3	2nd week March	JINKS 15	NIFFT RANCHI



## ON-CAMPUS EVENTS

### THE AD- MAD SHOW

**DATE :** 7<sup>TH</sup> FEBRUARY, 2015

**TIME :** 11 AM onwards.

The Ad-Mad show was organized by the “Department of Commerce & Management” Studies for all the batches of BBA and MBA.

The main concept of the event was to enlighten the creativity of the students by giving them innovative product concepts and designing an advertisement on the following themes:

- i) Lifebuoy makes life better
- ii) Aflatoon Kanghi (comb)
- iii) India be aware (Aaj meri toh kal teri)
- iv) Selling goggles to a blind man.
- v) Deodorant for dogs
- vi) Selling comb to a bald headed person



One of the themes on “India be aware – “Aaj meri toh kal teri” presented a social message on ‘Women Safety’ got much appreciation.

Students displayed their talent through various modes like Role Play’s, Video’s, Poster’s, Pamphlet’s etc. The show was organized for students to showcase their creativity in marketing products and services. Its objective is to acquaint the students about promotional strategies in marketing through advertisements. It comprises of humorous & conceptual Ad presentation by the students. Students acted out on various advertisement script and ideas relevant for different sectors including FMCG product, while goods, services, automobiles and social awareness etc.



## WORKSHOPS AND SEMINARS

### The IT Exhibition

**Date : 25.04.2015**

**Time : 09:00 AM ONWARDS**

“The Department of Computer Science & IT” Organized an IT Exhibition. More than 100 students of various streams like Diploma, B.Tech., BCA & MCA participated in this event. Various Software’s, Programmes, Games were displayed by the students.

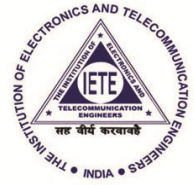
MIS System, Online Movie watching System, Crime Control System, Airport Management, Periodic Table, Stop Watch, ATM Software, Smart Quiz, etc were the main highlights of the exhibition.

The main highlights of the Exhibition were the stalls of MIS System, Online Movie watching system, Crime Control system, Airport Management, Library Management, Periodical Table, Stop Watch, ATM Software, Smart Quiz, Etc.



The program was designed in a way that every year the same teams would also present their updates with their own design.





## ESDM WORK SHOP (IN ASSOCIATION WITH IETE)

**Date : 20<sup>th</sup> Dec 2014**

**Time : 12:30pm onwards**

A workshop on Electrical Systems Design and Manufacturing (ESDM) was organized by **Institution of Electronics and Telecommunication Engineers (IETE)** for the students of the Department of Science & Engineering, Jharkhand Rai University (JRU).

The objective behind conducting the workshop was not only to impart classroom knowledge but to enlighten the students with the practical exposure and its application to the related field so that they can get experience to survive in the corporate world.

In this workshop, the development and future scope in the ESDM field were discussed with the students. During the workshop the students were explained how IT and Networking has developed today as earlier PSTN line and internet were very slow as compared to the Optical Fibre Lines. The papers were presented by the Final year students and experts on different topics related to ESDM



## A WORKSHOP ON ROBOTICS BY OTS

**Date : 22.03.2015**

**Time : 10:30 AM Onwards**

The Science club of Jharkhand Rai University in association with **OVERSEAS' TECHNOLOGICAL SOLUTION ( OTS)** dealing in Vigyan Prasar Bharti, a Project by Government of India organized a 1 -Day learning program on Robotics and 2-Day workshop at its Campus.

More than 200 students of Engineering participated, wherein they learned the various aspect of Robotics in today's day-to-day life.

Students participated in live projects of portable mobile charger, automatic street light, Wire and Wireless robot and also about manufacturing a CFL bulb.

It was funded by Ministry of Science and Technology, Government of India under the aegis of OTS.





## OPEN TUTORIAL PROJECT BY IIT BOMBAY



**Date :** 20<sup>th</sup> March 2015

**Time :** 10am Onwards

“Department of Computer Science & IT” in association with IIT Mumbai started its Software Learning’s Open Tutorial Project which is an initiative of National Mission on Education through Information & Communication Technology (NMEICT), MHRD, Government of India. IIT Mumbai has established Jharkhand Rai University as its Remote Centre for the Western Region.

It involved training of free Softwares like LINUX, LIBRE OFFICE, C, C++, JAVA etc.

The students of Jharkhand Rai University (JRU) were trained through Video Conferencing by the faculty members of IIT BOMBAY. The program started with the students of Computer Science and was carried on for the full semester and then followed with the students of other Departments as well.

Following are the learning outcome of this program:

- i) Students were given training for the particular software.
- ii) Study materials were provided in the form of soft copy.
- iii) Certification by IIT Mumbai was given to the students.
- iv) It served the students as a stepping stone for the advanced course.



## SOCIAL RESPONSIBILITY

### HONOURING THE SARNA YOUTH WELFARE GROUP (SYWL)

**Date : 24.01.2015**

**Time : 11:00 AM**

SYWG is a voluntary organization primarily managed by students (IITs,NITs,BIT & Other Colleges) with the support of local members from Ranchi. Jharkhand Rai University honors' Sarna Youth Welfare Group for their contribution in helping the poor children across the society in providing them higher education and also for arranging them all the pre-requisites for the same. The Dean of the University Dr. Piyush Ranjan said that university will help the Sarna Welfare Group Students as well in their work. The group members Paramjeet Xalxo and Sumit Bakhla invited JRU Team for their next event.



## MEETING THE LEADERS OF RURAL JHARKHAND TO SPREAD AWARENESS ON HIGHER EDUCATION TO THE UNDER PRIVILEGED

Leaders like Mukhiyas from various rural areas of Jharkhand were invited to visit the University. This initiative was a part of our social responsibility as we believe in bringing positive and collective change through education. Social initiatives like this should mean involvement in activities that improve the lives of individuals and communities both locally and globally. These activities can surely bring comprehensive changes in the education outcomes, employability, and the overall development of our state and nation. This initiative not only reflects our commitment to the society but also identifies the need for transformation through education in the state of Jharkhand. The idea was to urge the Mukhiyas & other influential people of various districts of Jharkhand to come forward and join hands in empowering and transforming the rural parts of Jharkhand through education. The Mukhiyas were educated to understand the importance of higher education for the Village going kids and mentoring them through various counseling sessions and also making them aware of Government schemes available for them to enhance their career opportunities.





## BLOOD DONATION CAMP

On the occasion of **World Health Day** JRU organized Blood Donation Camp in its campus at Kamre in association with **RIMS** and **Team Life Savers**. Mr. Atul Gera (Team Life Savers), Dr. K.K Singh and Dr. Kavita Deogharia (RIMS) coordinated the program

A total of more than 400 staffs and students donated blood on this auspicious day.

JRU was also awarded for its outstanding Contribution and best co-ordination for maximum no. of units of blood donation and best coordination. As a part of Social Responsibility JRU participated in this noble cause of blood donation.



## CO-CURRICULAR EVENTS

### INDEPENDENCE DAY CELEBRATION

Mr. Cherian Jacob (Registrar) hosted the flag at the JRU Campus on the eve of Independence Day at Jharkhand Rai University.



### SARASWATI PUJA CELEBRATION

Saraswati Puja was celebrated in Jharkhand Rai University on 24<sup>th</sup> Jan 2015. Goddess Saraswati, the deity of knowledge, learning and music was worshipped in the University premises. Students, including boys and girls, offered flowers, and participated in cultural programmes. The ritual started early morning and lasted till midday with priest chanting mantras and devotees placing seasonal 'Palash ' flowers at the deity's feet to the ringing sounds of cymbals and conch shells.



## ABHIVADAN 2014 – *The Fresher’s Day*

**Date :** 18<sup>th</sup> Oct 2014

**Time :** 2PM Onwards.

JRU Celebrated its Fresher’s Day at its campus at Kamre, The Fresher’s Day was aptly named as **“Abhivadan 2014 – A New Beginning”**.

The event involved Solo and Group Dance, Singing, Ramp Walk and of course Band Performance by the “Y Band”.

The event concluded with the selection of Mr. & Ms. Fresher’s

Not only as a Fresher’s Day Celebration but JRU believes that such events are great platform to help the students showcase their talent.



## ACHIEVEMENTS

### GURU SHIKSHA SAMMAN

Jharkhand Rai University secured the award for **“OUTSTANDING CONTRIBUTION IN THE FIELD OF EDUCATION”** at the **GURU SHIKSHA SAMMAN** function by Dainik Bhaskar – a Leading Hindi News daily.





## RECONGNITION FOR THE BLOOD DONATION CAMPAIGN

Jharkhand Rai University was awarded by the **Hon'ble Health Minister of Jharkhand Shri. R. Chandravanshi** for its outstanding contribution and best co-ordination for maximum no. of blood units collected on The World Health Day. Prof. Rashmi Raj on behalf of the University collected the award.



Prof. Rashmi Raj receiving the award

## STUDENTS AWARDED AT NIFFT, Ranchi.

NIFFT, Ranchi organized its Annual Fest “**JINKS 15**” this year

Students of JRU participated enthusiastically in many events with their outstanding performance.

Following were the students of JRU who won various prizes at the event:

### Debate competition:

- |                   |         |   |                     |             |
|-------------------|---------|---|---------------------|-------------|
| 1) Suraj Kr. Dash | B.Tech. | – | 2 <sup>nd</sup> Sem | First Prize |
| 2) Srijan Mishra  | BBA     | – | 4 <sup>th</sup> Sem | Third Prize |

### Singing competition:

- |          |         |   |                     |              |
|----------|---------|---|---------------------|--------------|
| 1) Rahul | B.Tech. | – | 2 <sup>nd</sup> Sem | Second prize |
|----------|---------|---|---------------------|--------------|





**IIT Guwahati**  
Zonal Center  
For Robothon 2015



**IIT Bombay**  
Remote Center



**IETE**  
Training Partner



**OTS**  
Department of Science  
& Technology, GOI  
Training Partner

*“ At JRU learning is not limited to the classroom but to take the education beyond the class JRU has joined hands with IIT Guwahati, IIT Bombay, IETE & OTS to conduct training , events, workshops, seminars, etc.time to time for the holistic development of our student*

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