



# JHARKHAND Rai University

UGC RECOGNISED UNIVERSITY

ACCREDITED BY NAAC

## ANNUAL REPORT

---

2019 -20

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“ This report is submitted to the Honourable Visitor of the University  
Her Excellency ‘The Governor of Jharkhand’  
as well as to the  
‘Deptt. of Higher, Technical Education & Skill Development’  
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*



**Prof. (Dr.) Savita Sengar**  
 Vice Chancellor  
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It gives me immense pleasure to present our University Annual Report for the year 2019-20 giving a holistic view of all the important activities, achievements & initiatives. The year has been hugely challenging as we coped from the effects of the pandemic and found innovative ways to continue performing despite odds. I am happy to share some of our significant achievements during the year.

We had our 2nd successful convocation event in the university campus wherein 809 Degree & Diploma certificates were awarded to students, out of which, 26 were awarded with the Gold-medals & 2 with the chancellor medals.

In crisis we saw an opportunity and developed a robust dedicated model for Online Learning Management System for our students called JRU-MOODLE i.e., www.jrumoodle.in. Making use of audio-visual and one-on-one interactive techniques, we ensured interactive learning in the absence of physical classes. We also created a student helpline group to provide strong support system for any kind of stress due to studies, health & any other related issue during the Covid period. Our motto remained that “Learning should never stop”.

We are the only private university in Jharkhand to successfully adopt SWAYAM-MOOCs as per the UGC (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016. We are proud that one of our students emerged as Course Topper nationally in “Digital Signal Processing”, while 4 students earned the Elite Silver Certificate and 43 students earned the Elite Certificate respectively.

We have also constituted New Education Policy (NEP) Implementation Committee and in line with NEP 2020 we have identified and introduced the skill- based programs as well and soon going to introduce courses on Indian Art and Culture as an open elective across all our programs. To begin with, we launched the BBA Logistics Programme in collaboration with Logistics Skill Council, Ministry of Skill Development & Entrepreneurship. We have also started Pharmacy & Law programs in this year with due approvals from Pharmacy Council & Bar Council of India.

Research and Innovation has been a significant part of our envisaged goals. Our aim is to integrate research & development with academics and encourage our faculty and students to carry on research in their respective areas of interest. We are focused towards interdisciplinary, collaborative and community based research through active engagement of the students driving real change.

In the end, I would like to record my appreciation to all the teaching and non-teaching staff for their dedication, commitment & whole-hearted support during this challenging year, as a result of which we were able to adhere to our academic & examination calendar. I would also like to appreciate the efforts put in by our Editorial team in shaping this Annual Report.

I am confident that the report will greatly help the University, the Government and the public to assess the work done in the University and make constructive suggestions for the future growth of the institution.



**Prof. (Dr.) Savita Sengar**  
 Vice Chancellor, JRU

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- *Audit Report 2019 - 20*

### ANNEXURE – B

- *Souvenir*

## INTRODUCTION

**J**harkhand Rai University (JRU) has been established under “Jharkhand Rai University Act, 2011” by Jharkhand State Legislature as per section 2(f) of UGC Act 1956. JRU is also a member of Association of Indian Universities (AIU), Association of Commonwealth Universities – London and an ISO certified University, (ISO 9001:2015). The University aims to create a knowledge pool for the State of Jharkhand by serving the needs of diverse communities. JRU continuously strives to provide quality education to its students through dynamic research, rigorous training and efficient mentorship. The University offers Diplomas, Undergraduate Degrees, Postgraduate Degrees and Doctoral Programs in different disciplines. JRU is the only private University in the state of Jharkhand approved by NAAC.

Research and Innovation form a significant part of our envisaged goals. Our aim is to integrate research & development with academics and encourage our faculty and students to carry on research in their respective areas of interest. The University is focused on interdisciplinary, collaborative and community based research which will help to generate excellent technologies responding to the needs of local, national and global interests.

Creation of an agriculturally literate society is not only essential but is the need of the hour and our team from the Department of Agriculture strives to help the students in the learning process. Our Agricultural Education Program aims at raising awareness for food and farming. We inspire young people to think more deeply about sustainable agriculture, food supply and the role of science in this context. We also help students and the rural community specially farmers to learn entrepreneurship to become change makers.

We aspire to be a vibrant community with a focus on teaching, learning and community based research. Our faculty members are experts in their fields and professionals in their own right who bring creativity, ingenuity and resourcefulness to the mind of students. We believe in fostering pioneering minds and nurturing intellectuality in individuals. We endeavor to create the best possible environment for our students and are committed to the cause of making higher education accessible to all irrespective of caste, color and creed.

# INFRASTRUCTURE

Jharkhand Rai University has its own campus spread in an area of approximately 20 acres at Raja Ulatu, Namkum, Ranchi. This campus is under development, one section of academic block is functional with Classrooms, Labs, Workshops, Library and Computer Lab for the students. **The University provides daily bus facility to the students from the Hostel at Kamre campus to Namkum campus.**



Hon'ble MLA Shri. Ram Kumar Pahan inaugurating the new labs & workshops at the Namkum Campus.



Engg. students working on the machines placed at Namkum Campus.



Tree Plantation in and around Namkum Campus by Students of Deptt. of Agriculture

The premises at Kamre, Ratu Road, Ranchi has one lakh sq. ft of built up area. This facility is housed in a seven acre plot. In addition to the report submitted in the previous financial year, the University has acquired several new equipments for its laboratories, has conducted several national/international workshops and added numerous new books to its existing collection. The infrastructure details are as follows:



## CLASSROOMS & CONFERENCE HALL

Well-lit and ventilated classrooms at the University provide students an encouraging and conducive environment for learning and focussing. All the classrooms are well designed with comfortable seating arrangements. In order to make our students competitive we regularly organize national and international conferences, seminars and workshops in the campus. We have a well- equipped conference hall that has been specifically designed for hosting such events.



CLASSROOM (KAMRE)



CLASSROOM (NAMKUM)



CONFERENCE ROOM



CONFERENCE ROOM

## LIBRARY & READING ROOM

The University's state-of-the-art library is digital & accessible 24x7 via internet. It is equipped with Internet browsing facilities and a reading room as well. Library serves as a backbone to all the academic activities at our campus. The library at Jharkhand Rai University houses more than 25,000 textbooks and a good number of reference materials, journals, magazines, periodicals, e-books and audio-videos materials.





## DRAWING LAB

The spacious Drawing Lab. is well equipped with drawing boards & drawing instruments.



## COMPUTER LABORATORY

The Computer Lab at the University has more than 120 desktops equipped with Internet access. We provide a network of latest computers, adequately matched and supported by a host of printers, scanners, modems and other peripheral devices. Staff Members & students using laptops and smart phones can also benefit from Wi-Fi facility available in the campus.



## INTERNET CONNECTIVITY / WI-FI & REPROGRAPHICS FACILITY

The University has a dedicated lease line through tower connectivity. Both the campuses are Wi-Fi enabled and the connectivity is available to all the students and staff members using laptops / smart phones.



Reprographics Facility



Tower at Kamre



Tower at Namkum

## HOSTELS

We at JRU believe in providing the students with a friendly ambience in our hostels so that learning and growing is fostered. Our aim is to help students not only to live comfortably but also to balance their time between studies and extra curricular activities in a better way.

The University provides hostel facility for both boys and girls. Presently it is capable of serving about 112 boys & 104 girls inside the campus. The residing facility is in form of dorms as well as rooms in apartments ensuring best social life and security for students.

The hostel rooms and dormitories are equipped with 24 hours of power back up and security.



**Dormitory**



**Hostel Room**

## STAFF QUARTERS & GUEST HOUSE

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



## STUDENTS' MESS & CAFETERIA

Students' Mess is a place where we provide our students with nutritious, healthy and unlimited food. The dining space has a seating capacity for more than 250 students at a time and provides students a comfortable and hygienic environment. Each of our students especially the underprivileged one's can enjoy the mess facilities at highly subsidized rates.

The cafeteria is spread across 2000 sq. feet area in the ground floor of Academic block for catering to students and the staff members. It is a hang out zone for the students where they relax & unwind and enjoy delicious meals. Our menu offers an extensive selection of everyday favourites and food items like sandwiches, Indian snacks, fruit juices, cold drinks, milk, eggs and beverages including tea and coffee. The cafeteria is operational from 8 AM to 8 PM. Students can enjoy the mess facilities available for all at highly subsidized rates.



Mess at Kamre Campus



Mess at Namkum Campus

## OUTDOOR SPORTS FACILITIES



Volleyball



Cricket



Badminton

## COMMON ROOM

At Jharkhand Rai University we have a common room for students which is quite spacious, well- ventilated and airy. Students are provided with different kinds of recreational activities.

There is a display board where students can express their thoughts through various forms like drawing, painting, poems, stories, etc.

Common room is the place in the University campus that provides a relaxing atmosphere for socialising, enhancement of knowledge pool and recreation.



## MECHANICAL LABS AND WORKSHOPS

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



### Heat & Mass Transfer Laboratory

Sl. No.	List of Apparatus/Models
1	Apparatus to find heat transfer through Composite Wall-Conduction
2	Apparatus to find heat transfer through Composite Cylinder-Conduction
3	Apparatus to find heat transfer from Tube-Convection
4	Apparatus to find heat transfer in Shell & Tube Heat Exchanger
5	Apparatus to find thermal conductivity of Insulating Powder
6	Apparatus to find forced convection heat transfer
7	Apparatus to find heat transfer from a Pin Fin
8	Emissivity Measurement apparatus
9	Stefan Boltzman apparatus





**Automobile Laboratory**

Sl. No.	List of Apparatus/Models
1	Cut section of Cylinder 4 stroke diesel engine auto
2	Cooling system of an automobiles
3	Lubrication system of automobiles
4	Study and experiment of an automobile braking system
5	Solex carburetor cut section model
6	Study and experiment on fuel supply system of S.I. Engine
7	Carburetor
8	Fuel Injection Pump
9	Study & experiment on fuel supply system of C.I. Engine
10	Injector
11	Fuel Pump
12	Battery Ignition system
13	Cut section of 1 Cylinder 2 stroke petrol engine Scooter
14	Cut section of 1 Cylinder 4 stroke petrol engine Motor Cycle



**Internal Combustion Engine & Gas Turbine Laboratory**

SI. No.	List of Apparatus/Models
1	Single Cylinder 4 stroke diesel engine Test setup
2	Model of Two Stage Reciprocating air compressor
3	Model of Turbo Jet Engine Gas Turbine
4	Model of Gas Turbine Plant



**Refrigeration & Air Conditioning Laboratory**

SI. No.	List of Apparatus/Models
1	Refrigeration Test Rig
2	Air Conditioning Test Rig
3	Ice Plant Test Rig
4	Evaporative Cooling Test Rig



**Thermal Laboratory**

SI. No.	List of Apparatus/Models
1	Model of Lancashire Boiler
2	Model of Locomotive Boiler
3	Model of Babcock and Wilcox Boiler
4	Electric body boiler for Separating Throttling Calorimeter
5	Model of Grain Economiser
6	Model of Cornish Boiler
7	Model of Feed Check Valve
8	Model of Dead Weight Safety Valve
9	Model of Vertical Water Tube Boiler
10	Model of Velox Boiler
11	Model of La-Mont Boiler
12	Model of Benson Boiler
13	Model of Loeffler Boiler
14	Model of High Steam Low water Safety Valve
15	Model of Reverse Safety Valve



**Strength of Material Laboratory**

Sl. No.	List of Apparatus/Models
1	Apparatus to find out Moment of Inertia of Flywheel
2	Universal Testing Machine
3	Torsion Testing Machine
4	Impact Testing Machine
5	Digital Universal Testing Machine 20 tonne



**Engineering Mechanics Laboratory**

Sl. No.	List of Apparatus/Models
1	Winch Crab apparatus
2	Screw jack apparatus
3	Polygon law of forces apparatus with iron slotted weight & pan
4	Apparatus for Deflection of Clark-Maxwell's theorem
5	Bending of Beam apparatus
6	Friction slide apparatus
7	Compound lever apparatus
8	Bell Crank lever apparatus
9	Parallel forces apparatus
10	Bar Pendulum or Compound Pendulum apparatus



**Kinematics of Machine Laboratory**



Sl. No.	List of Apparatus/Models
1	Model of Worm & Worm wheel
2	Model of Simple Gear
3	Model of Compound Gear
4	Epicyclic Gear train apparatus
5	Reversing Gear
6	Demonstration of Differential Gear
7	Model of Pulley Blocks Set
8	Model of Watt Mechanism
9	Model of Slider Crank chain (Reciprocating Engine Mechanism)
10	Model of Oscillating Cylinder Mechanism
11	Model of Oldham's Coupling
12	Model of Ackerman's Steering Gear Mechanism
13	Model of Plate Cam with flat faced follower
14	Model of Tangent Cam with oscillating roller follower
15	Model of Cylindrical Cam with Translating follower
16	Model of Translating Cam with reciprocating knife edge follower
17	Model of End Cam with Translating follower
18	Model of Two Stage Spur Gears (compound)
19	Model of Single Stage Helical Gear
20	Model of Hook Joint-Single Type
21	Model of Witworth Quick Return Mechanism
22	Model of Kinematic Pair
23	Model of Single Stage Bevel Gears
24	Model of Knuckle Joint
25	Model of Cotter Joint
26	Model of V-Belt Pulley
27	Model of Flat Belt Pulley
28	Model of Chain Drive
29	Motorised Gyroscope
30	Motorised Governor with Attachements
	A) Watt Governor
	B) Porter Governor
	C) Proell Governor
	D) Hartnell Governor
31	Static & Dynamic Balancing Machine
32	Whirling of Shaft apparatus

**Fluid Machinery Laboratory**

Sl. No.	List of Apparatus/Models
1	Orifice Meter Test Rig
2	Notch Tank apparatus
3	Closed circuit Bernoulli's theorem
4	Closed circuit venturimeter Test Rig
5	Closed circuit Reynold's apparatus
6	Metacentric Height
7	Reciprocating pump Test Rig
8	Centrifugal pump Test Rig
9	Hydraulic Ram Test Rig
10	Pelton Wheel Turbine Test Rig
11	Francis Turbine Test Rig
12	Impact of Jet Test Rig

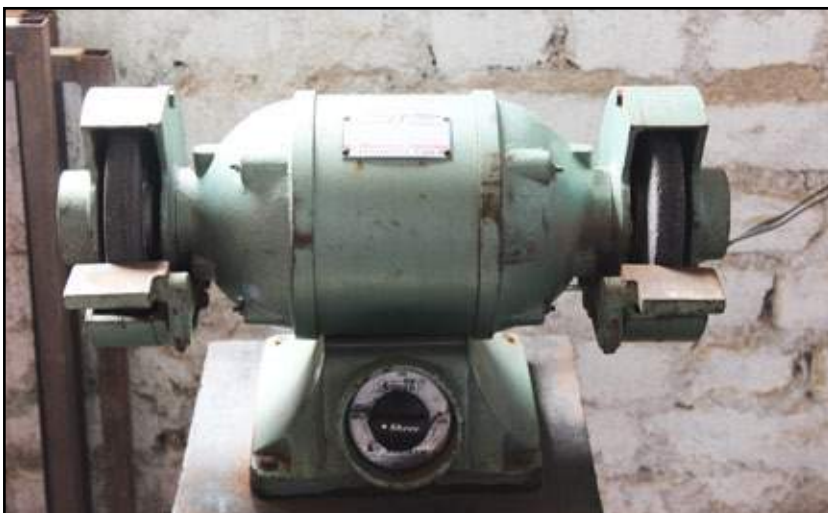


**Measurement & Metrology Laboratory**

Sl. No.	List of Apparatus/Models
1	Dial Indicator (Mitutoyo Make 010 mm)
2	Inside Micrometer (Mitutoyo Make 5-30mm)
3	Vernier dial caliper (Mitutoyo Make 8.5-30mm)

**Welding Shop**

Sl. No.	List of Apparatus/Models
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 File
15	Try Square
16	Slide Wrench
17	Flat Chisel
18	Oxygen Gas Regulator
19	Acetylene Gas Regulator
20	Hose Pipe Blue & Red
21	Pipe Stand



**Fitting Shop**

Sl. No.	List of Apparatus/Models
1	Steel Table
2	Bench Vice
3	Portable Drill Machine
4	Drill Bit
5	Bastard File
6	Hacksaw frame
7	Centre punch
8	Ball pean hammer
9	Steel foot rule
10	Hand tap
11	Inside caliper
12	Outside caliper
13	Flat Chisel
14	Wire Brush
15	Hand tap handle
16	Oil Cane
17	Scriber
18	Pillar Drill Machine
19	Triangular File
20	Steel Rule
21	Try Square
22	Jenny caliper
23	Number punch
24	Letter punch
25	Pedestal grinding Machine
26	Half round File
27	Fitting Table





**Carpentry Shop**

Sl. No.	List of Apparatus/Models
1	Carpentry Vice
2	Rasp cut File
3	Chisel
4	Hand Saw
5	Deep cutting Hacksaw Frame
6	Iron Jack plane
7	Hand Drill Machine
8	Gimlet
9	C Clamp
10	Claw hammer
11	Cross pean hammer
12	Steel tape
13	Hexagonal Chisel
14	Steel rule
15	Divider
16	Firmer Chisel
17	Mortise Chisel
18	Scriber
19	Pincer
20	PVC Handle
21	Mallet
22	Screw Driver Set
23	Spanner Set
24	Carpentry table

**Sheet Metal Shop**

Sl. No.	List of Apparatus/Models
1	Straight snip
2	Steel tape
3	Hand groover
4	Mallet
5	Hatchet stake

**Machine Shop**

Sl. No.	List of Apparatus/Models
1	Lathe Machine
2	Milling Machine
3	Surface Gauge
4	Oil Gun
5	Turning Tool
6	Parting Tool
7	Shaper Machine
8	Pedestal Grinding Machine
9	Radial Drilling Machine

**Black Smithy Shop**

Sl. No.	List of Apparatus/Models
1	Forging Hearth

## CIVIL LABS AND WORKSHOPS

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

### Survey Field Work Laboratory

Sl. No.	List of Apparatus/Models
1	Dumpy Level
2	Brunton Compass
3	Cross Staff with Iron Pole
4	Offset Rod
5	Prism Square
6	Box Sextant
7	Plane Table with all accessories and Tripod
8	GPS-10 (e-trax)
9	Tee Square
10	Ranging Rod and Pole Aluminium Telescope
11	Survey Chain 30 mts
12	Adjustable Set Square
13	Vernier Transit Theodolite with Tripod Stand
14	Auto Level with Tripod Stand and Levelling Staff 5 mts
15	Levelling Staff 4 mts
16	Telescopic Alidade
17	Spirit Level
18	Prismatic Compass with Stand
19	Altimeter Barigo Germany
20	Plumb Bob
21	Digital Theodolite with Tripod Stand
22	Arrows
23	Wooden Pegs
24	Tape 66 ft and 100 ft



### Transportation Engineering Laboratory

Sl. No.	List of Apparatus/Models
1	Length Gauge (Elongation index) IS : 2386 (part 1) 1963
2	Thickness Gauge (Flakiness Index) IS : 2386 (part 1) 1963
3	Universal Penetrometer
4	Ring and Ball Apparatus
5	Standard Tar Viscometer, 10mm cup and ball valve
6	Clevel and Flash (Open) & Fire point apparatus (Electrically Heated)
7	Specific Gravity test apparatus on Bitumen.
8	Loss Angles Abrasion Testing Machine
9	Laboratory CBR Apparatus (Motorised)
10	Aggregate Impact Tester
11	Crushing Value Apparatus

### Concrete Technology Laboratory

Sl. No.	List of Apparatus/Models
1	Le-Chatelier Water Bath/Le-Chatelier Apparatus
2	Vicat's apparatus with all attachments
3	90 micron IS sieve
4	Digital Compression Testing Machine, Capacity 1000kN

### Geo-Technical Engineering Laboratory

Sl. No.	List of Apparatus/Models
1	Specific gravity bottles of 50 ml capacity.
2	Laboratory Electric Oven, Thermostatically Controlled, range 50° to 250°C +/-3°C with Air Circulating Fan, Inside Size 450 x 450 x 450mm
3	Core Cutter Field Density Kit IS: 2720
4	Sand Pouring Cylinder Apparatus
5	Liquid Limit Device, Hand Operated, with Casagrande grooving tools and gauge block.
6	Plastic Limit set comprising of glass plate, Brass rod, Spatula, Moisture Tin & Porcelain Dish.
7	Sieve Shaker, Motorised, with Built-in Adapter for 30cm dia sieves Digital Time Timer
8	Sieve Brass Frame 20cm dia x 4.75mm, (20cm dia x 2.36mm), (20cm dia x 1.18mm), (20cm dia x 600 microns), (20cm dia x 300 microns), (20cm dia x 150 microns), (20cm dia x 75 microns), Pan and Cover for 20 cm dia sieves
9	Sieve G.I. Frame (30cm dia x 63mm), (30cm dia x 40mm), (30cm dia x 25mm), (30cm dia x 20mm), (30cm dia x 12.5mm), (30cm dia x 4.75mm), (30cm dia x 6.3mm) Pan and Cover for 30cm dia sieves
10	Direct Shear Test Apparatus 2 kN capacity, (Motorised) 12 speed, Motorised IS: 2720 (Part XIII) IS: 11229
11	Laboratory Vane Shear Apparatus (Motorised)
12	Unconfined Compression Tester for load measurement, supplied with AIM 062-1 Load Frame 3 speed 50 KN, Proving Ring, 2kN and Dial Gauge, Rubber Sheath
13	Tri-axial Outfit Analog with Lateral Pressure Assembly and all accessories
14	Proctor Compaction Apparatus as per ASTM code with all accessories
15	Plate Load Test Apparatus
16	Standard Penetration Test Apparatus with all accessories
17	Digital Standard Balance

## ELECTRICAL & ELECTRONICS LABS AND WORKSHOPS

List of Equipments available at the EEE Laboratory & Workshop are :

### Power Electronics Laboratory

Sl. No.	List of Apparatus/Models
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 Characteristic 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 Converter
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
18	Kit for IGBT Characteristic



### Communication System Laboratory

Sl. No.	List of Apparatus/Models
1	Frequency Modulation and Demodulation Kit
2	Amplitude Modulation and Demodulation Kit
3	Pulse Amplitude Modulation and Demodulation Kit
4	Analog Signal Sampling and Reconstruction Kit
5	Antenna Trainer Kit
6	Study of 2 Band Radio Receiver Demonstration Kit
7	Pulse Width Modulation and Demodulation
8	Pulse Amplitude Modulation and Demodulation
9	Phase Shift Keying Modulation and Demodulation
10	Pulse Position Modulation and Demodulation

**Basic Electronics Laboratory**

Sl. No.	List of Apparatus/Models
1	Multimeter
2	Cathode Ray Oscilloscope 20 MHz
3	3 MHz Function Generator
4	DC Regulated Power Supply
5	LCRQ Bridge
6	External 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
16	Study of Rectifiers and Filters
17	Operational Amplifier Characteristics
18	Two Port Network Parameter
19	Operational Amplifier as Active Filters
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 CB Amplifier
26	Clipping and Clamping Circuit
27	Resistor 10 $\Omega$ , 1/4 Watt, 100 $\Omega$ , 1/2 Watt, 1K $\Omega$ , 1/4 Watt.
28	BJT Kit (CE, CC, CB)
29	LED Multicolor
30	LED Blue, Yellow, Red, Green, White
31	PN junction kit
32	Zener diode kit
33	Ohm's law Kit
34	IC 741, 7404LS, 7408LS, 7432LS, 7400LS, 7410LS, CD 4011, CD 4001, LM 324, 7808CV
35	IC 7420LS, 7486, 7432, 74153, 74139, 74148, 7447, 7476, 74193, 7416, 7495, 7402, 2N 2222
36	IC NE 555, 7490, 2N 2222 Black, 723, 74192, 565, 7483, 7805, 7905, 4013, 4040, 4511
37	Function Generator
38	Bread Board
39	Variable Capacitor



**Basic Electronics Laboratory**

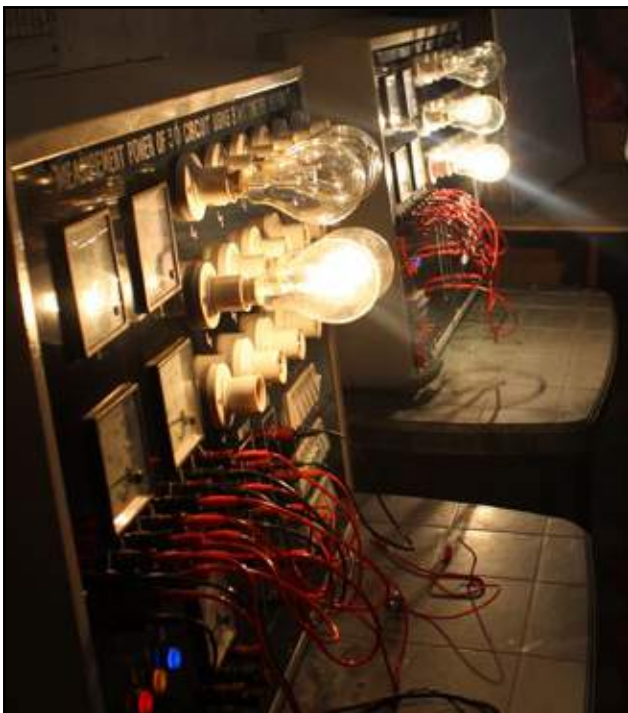


40	SCR
41	UJT
42	DPDT Switch 2A,5A
43	Diode 1N 4001, 4007
44	Bread Board Trainee with Power Supply (General Purpose)
45	Digital Lab Trainee with Bread Board
46	SPST Switch 2A
47	Regulated DC Power Supply (0-30)
48	1MHz Function Generator
49	Operational Amplifier , Gain Vs Bandwidth
50	Operational Amplifier Parameters
51	Multiple Power Supply
52	Multimeter
53	Digital Tachometer
54	Regulated DC Power Supply
55	Capacitor 1 $\mu$ F , 1000 $\mu$ F, 100 $\mu$ F, 47 $\mu$ F, 22 $\mu$ F, 0. 47 $\mu$ F,220 $\mu$ F, 2.2 $\mu$ F
56	IC CD 4029,7485, 74125, 7492, 7812CV, 7405,4028, 74109, CL100S, BC 548, BC 107, BC 547
57	Fuse 5A Small , 5A Big
58	Copper Plate
59	Connecting wire
60	LDR
61	Diode Characteristics
62	LED Characteristics
63	FET Characteristics
64	Logic Gate Characteristics
65	IC 555 Timer
66	OP-Amp Based Sinusoidal and Non Sinusoidal Wave Generator
67	OP-Amp as Inverting Non-Inverting & Difference Amplifier with 1 Digital Voltmeter
68	OP-Amp as Differentiator and Integrator
69	Electronic Work Bench
70	Sensor Trainer
71	Digital IC Trainer
72	AC/DC bridge Circuit Exp Panels.
73	Single Stage Tuned Amplifier
74	Single Stage Negative Feedback Amplifier
75	Collpitts Oscillator
76	Crysrtal Oscillator
77	Zener Diode Trainer Kit



**Microprocessor Laboratory**

Sl. No.	List of Apparatus/Models
1	8085 LCD Trainer
2	8085 Microprocessor Trainee Kit
3	8086 Microprocessor kit



**Electrical Workshop**

Sl. No.	List of Apparatus/Models
1	Soldering Iron and Kit, Desoldering Pump
2	1- Way Switch
3	Tape
4	Tester
5	Cutter
6	Screwdriver Set
7	Diamond File
8	Nipper
9	Taparia Plier
10	Wire Stripper
11	Holder
12	Crimping tool
13	Digital Multimeter
14	PVC Board
15	1.0 mm Wire , 1.5 mm Wire ,2.5 mm Wire
16	Plier 6mm
17	Nose Plier 6 mm
18	Cross Hammer,Ball Pen Hammer
19	Hacksaw kit (Hacksaw 14mm,16mm, Hacksaw frame)
20	Hand Drill
21	Hammer Taparia
22	Chisels 8mm, 6mm
23	Wattmeter 75V/5A
24	P.F meter5/10A, 100/300/600V)
25	DC voltmeter 0-300V , 0-50V ,0-75/150V ,0-75/150/300/600V,(75/150/300/600V)
26	DC Voltmeter 5V, 10V, 20V,30V, 50V
27	AC Voltmeter 5V,10V,20V,30V, 50V
28	DC Ammeter 500 μA,100 μA,20 mA, 30 mA, 50 mA, 100 mA, 5 A, 10A
29	AC Ammeter 500 μA, 100 μA, 20 mA, 30 mA, 50 mA, 100 mA, 5 A, 10A

**Digital Electronics Laboratory**

Sl. No.	List of Apparatus/Models
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

**Electrical Machine Laboratory**

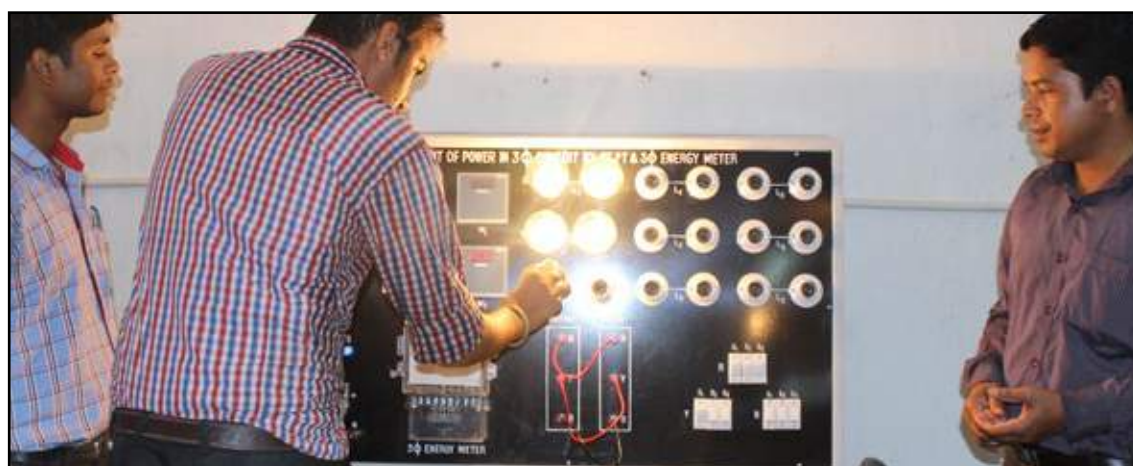


Sl. No.	List of Apparatus/Models
1	Study of equivalent circuit of a single phase transformer
2	Determination of equivalent circuit parameters of a single phase Induction motor.
3	1 $\Phi$ , induction motor with brake drum, spring balances, 1H.P, 1 $\Phi$ , 230V, 1440r.p.m. 50Hz, AC, IM capacitor start & run motor
4	Different methods of starting of a 3 phase Cage Induction Motor & their comparison [DOL, Auto transformer & Star-Delta]
5	Study of equivalent circuit of three phase Induction motor by no load and blocked rotor Test.
6	Study of performance of wound rotor Induction motor under load.
7	Speed control of 3 phase squirrel cage induction motor by different methods & their comparison [voltage control & frequency control].
8	Speed control of 3 phase slip ring Induction motor by rotor resistance control.
9	3- $\Phi$ squirrel cage induction motor with Y/S starter. Indicating lames-3. 3 pole M.C.B (16A, 600V)-1 Fuses(10A)-3, R.P.M. meter (0-2000 rpm) Ammeters (0-10A) MI-1, Voltmeter (0-500V) MI-1, Walmeter 600V/10A-2 separates terminals for each component
10	Synchronous motor, 3 H.P, 415V, 3 $\Phi$ , 50Hz, 1500 r.p.m, sync motor frame(rotor wound stator excited) suitable for DOL starter with 4 wives mechanical loading, excitation unit .
11	Load test on single phase Induction motor to obtain the performance characteristics .
12	1-Phase(L)-Transformer
13	DC Motor
14	Auto Variac Transformer
15	Panel for Load Characteristics of DC Series Motor
16	Panel for Measurement of Power in Three Phase Circuit by Two Wattmeter Method
17	Speed Control of DC Shunt Motor ( by Armature and Field Control Method)
18	Starting and Reversing of DC Shunt Motor
19	Load test of DC Shunt Motor
20	Panel for Measurement of Power in Three Phase Circuit by Three Wattmeter Method



**Basic Electrical Laboratory**

Sl. No.	List of Apparatus/Models
1	Loading Rheostat 3KW 3 Phase
2	Tachometer 2 in 1
3	Variable Voltage Auto Transformer
4	3-Phase - Induction Motor
5	DC Machine
6	Digital Tachometer
7	Induction Motor Control Panel
8	Electrical Work Bench
9	Measurement of Efficiency of Single Phase Transformer(Direct loading)
10	Determination of Parameter and Losses in a Single Phase Transformer by OC and SC Test.
11	Measurement of Power in Three Phase Circuit by CT,PT and Three Phase Wattmeter.
12	Variac 4 Amps Three Phase
13	Variac 8 Amps Single Phase
14	Loading Rheostat 2 KW Single Phase in 8 Step of 250 Watt Each.
15	Transformer 1KVA/230 VAC With Tapping at 50% and 86.6%
16	Starter DC Motor 1 HP(3 Point)
17	Loading Arrangement for DC Shunt Motor 1HP
18	Rheostat 150 ohm, 200 ohm, 1000 ohms
19	DC Shunt Motor 1HP



## CHEMISTRY LAB

List of Equipments 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
35	Pipette

36	Pipette Stand (Plastic)
37	Litmus Paper
38	Mortar & Pestle Small
39	Mortar & Pestle Big
40	Nickel Wire Holder
41	Reagent Bottles
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



71	Sodium Hydroxide Pellets
72	Sodium Carbonate
73	Potassium Ferrocyanide
74	Oxalic Acid
75	Distilled Water 5 Litres
76	Lime Water 500 ml
77	Kipps Apparatus
78	Kjeldahl's Distillation Apparatus
79	Hygrometer
80	Thermometers
81	Selenium Powder Black
82	Phosphoric Acid
83	Methylene Blue
84	Methyl Red
85	Ethyl Alcohol
86	Conical Flask
87	Ammonium Iron Sulphate
88	Potassium Dichromate
89	Oxalic Acid
90	Sodium Carbonate
91	Wash Bottle
92	Platinum wire
93	Di - Phenyl amine
94	Rubber Tube
95	Refrigerator

## PHYSICS LAB AND WORKSHOP

List of Equipments available in the Physics Laboratory are :

Sl.No.	Item Description
1	Vernier Calipers
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	Sprit Lamp
19	Potentiometer (Ten Meter Wire)
20	Pencil Jockey Spare
21	Grating Holder
22	Sprit Level
23	Newton’s Ring Apparatus.
24	Plane Transmission Grating
25	Spectrometer Basic



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 (0-1000C)
44	Thermometer (0-3000C)
45	Commutator
46	Meter Bridge
47	Resistance Box 10 ohm’s
48	Leclanche Cell
49	Daniel Cell



## AGRICULTURE (SOIL SCIENCE, GENETICS & HORTICULTURE LABORATORY)

The Department of Agriculture has Soil Science, Genetics & Horticulture Lab. Following equipments are available for these labs.



Sl. No.	Item Description
1	Digital pH meter with electrodes Systronics type
2	Digital Photoelectric colorimeter
3	Spectrophotometer Digital
4	Colorimeter
5	Mechanical shaker
6	Electrical/Chemical Balance
7	Sieve-2mm-0.2mm
8	Filter paper, pH paper, glassware, cleaning kit, stands, wooden racks
9	Filter paper whatmn no. 1, filter paper indicia, pH paper Merk, pH paper indicia, glassure, cleaning reagent
10	Insect collection net box
11	Preservation liquids. 500 ml
12	Preserved insect bottle
13	Culture media-bacteria and fungi
14	Microscope compound
15	Fungal, bacterial and algal slides
16	Sunshine recorder
17	Ordinary rain gauge
18	US open pan evaporimeter
19	Hot air oven
20	Incubator
21	BOD incubator
22	COD
23	Laminar flow
24	Single distillation unit
25	Gloves
26	Centrifuge machine
27	Centrifuge tubes
28	Pipettes micro
29	Blotting papers
30	Autoclave digital
31	Seed germination box
32	Hand refractometer
33	Petridishes and filter paper
34	Barometer
35	Digital thermo anemometer



36	Cup anemometer
37	Glasswares
	Pipette 1ml, 2ml, 5ml, 10ml
	Burette 50ml
	conical 100ml, 250ml, 500ml
	Beaker 100ml (5pc) , 250ml (5pc), 500ml (3pc), 1000ml (2pc)
	Measuring Cylinder 100ml (3pc), 250ml (1pc), 500ml (1pc)
	Volumetric flasks 100ml (2pc), 250ml (2pc)
38	Cotton plugs (non-absorbant)
39	soil hydrometer
40	Mortar and Pestle
41	Muffal furnace
42	Digestive system (Model)
43	Refrigerator
44	Fungal, bacterial and algal slides
45	Insect charts Matt finish
46	Blotting papers
47	Histological slides
48	Pick axe
49	Hand leveller
50	Garden rack
51	Shovel
52	Garden sword
53	Hand cultivator
54	Sickle
55	Hedge shear
56	Pruning saw
57	Grass shear
58	Khurpi
59	Furrow opener
60	Trowel
61	Rubber tapping tool
62	Prunning secateur
63	Budding, grafting, pruning knife
64	spade
65	Water can
66	Compound microscop ISI marked Almicro
67	Slides Blue star
68	Spirit Lamp
69	Petridish Tarsons
70	Petridish 75 mm Borosil
71	Petridish 100 mm Borosil
72	Beaker 100 ml Borosil

73	Beaker 250 ml Borosil
74	Beaker 500 ml Borosil
75	Conical flask 100 ml Borosil
76	Conical flask 250 ml Borosil
77	Conical flask 500 ml Borosil
78	Filter paper Indica
79	Litmus paper Red
80	Litmus paper Blue
81	Innoculating loops
82	pH paper
83	Ethanol
84	Methanol
85	Distilled water
86	Safranine
87	Acetone
88	Sodium hydroxide
89	Sodium Chloride
90	Sucrose
91	Slides
92	Conical flask 1000 ml
93	Dextrose
94	Lugol's Iodine
95	Plastic Pots
96	Neembolin
97	Knapsack Sprayer
98	Hedge Shear
99	Hand Hoe
100	Khurpi
101	Pruning Saw
102	Spade
103	Secateur
104	Wired Hand Rake



## ENGINEERING GEOLOGY LAB

The Department of Mining Engineering. Following equipments are available for these labs.



Sl. No.	List Of Instrument/Models
1	Brunton Compass Indian make body in a case.
2	Clinometer brass body.
3	Daigonal Scale
4	Protetector (360 & 180)
5	Compass divider set in a box full set
6	Streak Plate 2½ x 2½ size
7	Pocket lens 10x magnification double fold bakelite mount
8	Rhynchonella
9	Trigonia
10	Conus
11	Murex
12	Physa
13	Cidaris
14	Stigmatophygus
15	Geological Microscope Petrological Polarising Microscope with Optics.(Censico make)
16	Mineral Hardness box with 9 Minerals one streak Plate, one small magnet, small knife in a box
17	Specimen of Gabbro 6x8 cm approx
18	Specimen of Basalt 6x8 cm approx
19	Specimen of Schist 6x8 cm approx
20	Specimen of Gneiss 6x8 cm approx
21	Specimens rock sample in a box size 5x7 cm set of 30 nos. in a box
22	Thin Sections on Minerals for Microscopic studies set of 20 in a box
23	Thin Sections of Rocks for Microscopic studies set of 20 in a box.
24	Specimen Mineral Sample in a box set of 20 nos. 5x7 cm in a box.
25	Cylindrical rock sample for material testing

## PHARMACY LAB

The Department of Pharmaceutical Sciences. Following equipments are available for these labs.

Sr. No.	Name	Qty
1	Continuous Hot Extraction Equipment	5
2	Conical Percolator	5
3	Tincture Press	1
4	Hand Grinding Mill	1
5	Disintegrator	1
6	Ball mill	1
7	Hand operated Tablet machine	1
8	Tablet Coating Pan unit with hot air blower laboratory size	1
9	Polishing pan laboratory size	1
10	Monsanto's hardness tester	1
11	Pfizer type hardness tester	1
12	Tablet disintegration test apparatus IP	1
13	Tablet dissolution test apparatus IP	1
14	Granulating sieve set Brass	10
15	Tablet counter – small size	5
16	Friability tester	1
17	Collapsible tube – Filling and sealing equipment	1
18	Capsule filling machine – Lab size	1
19	Digital Balance 0.01 accuracy	1
20	Distillation unit for distilled water	1
21	Deionisation unit	1
22	Glass Distillation unit for water for injection	1
23	Ampoule washing machine	1
24	Ampoule filling and sealing machine	1
25	Sintered glass filters for bacterial proof filtration (four different grades)	1
26	Millipore filter (3 grades)	
	250 ML	1
	500 ML	1
	1000 ML	1
27	Autoclave	1
28	Hot air sterilizer	1
29	Incubator	1
30	Aseptic cabinet	1

31	Ampoule clarity test equipment	1
32	Blender	1
33	Sieves set (Pharmacopoeial standard)	10
34	Lab Centrifuge	1
35	Ointment Slab	1
36	Ointment Spatula	1
37	Pestle and mortar porcelain	1
38	Pestle and mortar glass	1
39	Suppository moulds of three sizes	
	4 Hole	1
	6 Hole	1
	12 Hole	1



**PHARMACEUTICAL CHEMISTRY EQUIPMENT:**

Sr. No.	Name	Qty
1	Refractometer	1
2	Polarimeter	1
3	Photoelectric colorimeter	1
4	pH meter	1
5	Atomic model set	2
6	Electronic balance 0.01 Accuracy	1
7	Periodic table chart	1



**PHYSIOLOGY & PHARMACOLOGY LABORATORY EQUIPMENT:**

Sr. No.	Name	Qty
1	Haemoglobinometer	20
2	Haemocytometer	10
3	Student's organ bath	1
4	Sherington's rotating drum	1
5	Frog board	1
6	Tray (dissecting)	1
7	Frontal writing lever	1
8	Aeration tube	1
9	Telethermometer	1
10	Pole climbing apparatus	1
11	Histamine chamber	1
12	Simple lever	1
13	Staring heart lever	1
14	Aerator	1
15	Histological Slides	10
16	Sphygmomanometer (B.P. apparatus)	5
17	Stethoscope	5
18	First aid equipment	1
19	Contraceptive device	1
20	Dissecting (surgical) instruments	1
21	Balance for weighing small Animals	1
22	Kymograph paper	1



23	Actophotometer	1
24	Analgesiometer	1
25	Thermometer	10
26	Plastic animal cage	1
27	Double unit organ bath with thermostat	1
28	Refrigerator	
29	Single pan balance 0.01 Accuracy	1
30	Charts	5
31	Human skeleton pvc imported	1
32	Anatomical specimen	1
33	Heart	1
34	Brain	1
35	Eye	1
36	Ear	1
37	Electro-convulsiometer	1
38	Stop watch	1
39	Clamp, boss heads, screw clips	1
40	Syme's Cannula	1



**PHARMCOGNOSY LABORATORY EQUIPMENT:**

Sr. No.	Name	Qty
1	Projection Microscope	1
2	Charts (different types)	5
3	Models (different types)	3
4	Permanent Slides	25
5	Slides pkt	1
6	Cover Slips pkt	1



**PHARMACY PRACTICE LABORATORY EQUIPMENT:**

Sr. No.	Name	Qty
1	Colorimeter	1
2	Microscope	2
3	Permanent slides (skin, kidney, pancreas, smooth muscle, liver etc.,)	2 set
4	Watch glass	1 pkt
5	Centrifuge	1
6	Biochemical reagents for analysis of normal and pathological constituents in urine blood facilities	1
7	Bottle Filling Machine	1
8	Bottle Sealing Machine	1
9	Autoclave sterilizer	1
10	Membrane filter (filter paper pkt 12.5 cm)	2
11	Sintered glass funnel with complete filtering assemble	1
12	Small disposable membrane filter for IV admixture filtration (filter paper pkt 11.5 cm)	1
13	Laminar air flow bench	1
14	pH meter	1
15	Hardness tester	1
16	Centrifuge	1
17	Thermostatic bath	1



**PHARMACEUTICAL ANALYSIS INSTRUMENTS:**

Sr. No.	Name	Qty
1	Humidity Chamber	1
2	Hot Plate	1
3	Colorimeter	1
4	Digital pH meter	1
5	Conductivity Meter	1
6	Half Shade Polarimeter	1
7	Photo Colorimeter	1
8	Flame Photo Meter with Compressor	1
9	Muffle Furnance	1
10	Melting Point Apparatus	1
11	Moisture Balance	1
12	Aresenic Chamber	2
13	Vacuum Pump	1



# UNIVERSITY ACHIEVEMENTS

## JRU Recognised as IIRS-ISRO Outreach Network Centre

Jharkhand Rai university, Ranchi was recognised as an IIRS center for running the outreach programme jointly conducted by Indian Institute of Remote Sensing (IIRS) & Indian Space Research Institute (ISRO).

Our B-Tech computer science student Shashikant Prasad & Faculty member Prof. Kumar Amrendra received certification in completing a one-week online training programme on “Satellite photogrammetry & its application”. Course coordinator from the Dept. of CS & IT Dr. Anuradha Sharma was made the nodal officer for the center.



Registrar Dr. Piyush Ranjan expressed his happiness over the accreditation reiterating that e-learning has broken all barriers in providing free and quality education to all and university is well-aware of its responsibility.

## IIC @JRU Awarded with Star Rating by Ministry of Education



The Institution innovation Council (IIC) of Jharkhand Rai University was awarded with a Two star rating for its year-long efforts in innovation driven activities by Innovation Cell, Ministry of Education, Government of India. The cell promotes innovation and start-up activities in leading academic institutions across the country. The key activities under this includes - Idea generation, Pre-incubation, Incubation & Incubators to turn the upcoming start-ups into successful ones.

Started in 2019, Institution Innovation Council at JRU was established to conduct and promote all activities to

plan and promote start-up projects. The council held several workshops & seminars during the year on a variety of issues ranging from Investor meets, hackathon, Idea Pitching contest & workshops on IPR rights and many more.

# STUDENT ACHIEVEMENTS



Subham Kumar - B.Tech CSE, 5th Semester student of Jharkhand Rai University, Ranchi emerged **National Topper** in NPTEL online examination in the sub **“Digital Signal processing examination”**

Lakindra Mahto - B.Tech - Mechanical 7th Semester student of Jharkhand Rai University, Ranchi **Won the Science Quiz Competition** organised by Kiran Institute, Jamshedpur.



**Elite Certificate with Silver Badge (NPTEL MOOCS COURSES):** 4 of our students earned the Elite Silver Badge and 43 students earned the Elite Certificates under **SWAYAM-MOCS**





Anshika Tripathi - Diploma in Electrical Engineering 5th semester, student of Jharkhand Rai Univeristy, Ranchi got selected for **Miss India Global International Competition** at Delhi.

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Success chaser - Satish Kumar, MCA student of Jharkhand Rai Univeristy, Ranchi got selected at **Google India** as an intern.

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Md. Ehtesham - B.Tech Mechanical, **Alumni of Jharkhand Rai University, Ranchi** Won the **Mix Martial Art championship (MMA)** held at Abhay Prasad Indoor Stadium in Indore, Madhya Pradesh.

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# FACULTY ACHIEVEMENTS

## Department of Pharmaceutical Sciences

### **Prof. Hemendra Mishra, HOD - Department of Pharmaceutical Sciences**

- Attended “4- day e-Faculty Advancement Initiative” held by Association of Pharmaceutical Teachers of India (APTI), Odisha at 26TH- 29TH May 2020

### **Prof. Priyanka Jaiswal, Assistant professor - Department of Pharmaceutical Sciences**

- Attended “4- day e-Faculty Advancement Initiative” held by Association of Pharmaceutical Teachers of India (APTI), Odisha at 26TH- 29TH May 2020
- Completed 1 week FDP on INNOVATIONS IN DRUG DELIVERY SYSTEMS organised by BAPATLA COLLEGE OF PHARMACY, ANDHRA PRADESH.
- Completed FDP on ‘HOW TO WRITE AND PUBLISH PAPER IN SPRINGER AND ELSEVIER JOURNALS’ held by ‘INDIAN ACADEMICIANS AND RESEARCHERS ASSOCIATION (IARA) IN ASSOCIATION WITH JHARKHAND RAI UNIVERSITY’.
- Completed FDP on ‘CREATIVE RESEARCH AND INNOVATION IN SPECTROSCOPY’ by ‘HINDU COLLEGE OF PHARMACY, GUNTUR, ANDHRA PRADESH’.
- Attended National FDP on ‘LATEST TRENDS IN PHARMACOLOGY’ held by ‘HINDU COLLEGE OF PHARMACY, GUNTUR, ANDHRA PRADESH’.
- Attended ‘INTERNATIONAL WEBINAR SERIES’ on ‘CONTEMPORARY ISSUES IN PHARMACEUTICAL REGULATORY AFFAIRS’ held by ‘HINDU COLLEGE OF PHARMACY, GUNTUR, ANDHRA PRADESH’
- Attended online sessions of ‘IIC OF MHRD’S INNOVATION CELL’ on ‘INNOVATION, IPR, ENTREPRENEURSHIP AND START-UPS’ between 28TH APRIL TO 22ND May.
- Attended A-Three Day International webinar series on ‘HERBAL REMEDIES AND COVID-19’ organised by ‘HINDU COLLEGE OF PHARMACY, GUNTUR, ANDHRA PRADESH’.
- Attended webinar held by ‘SHARADCHANDRA PAWAR COLLEGE OF PHARMACY, PUNE’ on ‘COVID-19 AWARENESS AND PREVENTION BRACE’ at 27-04-2020.
- Participated in ‘SPIT-FREE INDIA MOVEMENT’ on ‘NATIONAL SERVICE SCHEME AND ACF (SUPPORTED BY TATA TRUSTS)’

### **Uma Kumari , Assistant professor - Department of Pharmaceutical Sciences**

- Attended webinar held by ‘Association of Registered Pharmacists’ on ‘Need of E- Learning for Changing Pharma World- Concepts, Trends & Tools’.
- Attended webinar on National Webinar on “Safe Disposal of Expired and unused Medicine” held by ‘Society of Pharmaceutical Sciences and Research’
- Participated in International Conference on ‘Covid-19: Challenges in Testing Prophylaxis & Management’ held by ‘ISF College of Pharmacy, Moga’.
- Attended “4- day e-Faculty Advancement Initiative” held by ‘ASSOCIATION OF PHARMACEUTICAL TEACHERS OF INDIA (APTI), ODISHA’ at 26TH- 29TH MAY 2020
- Completed FDP on ‘HOW TO WRITE AND PUBLISH PAPER IN SPRINGER AND ELSEVIER JOURNALS’ held by ‘INDIAN ACADEMICIANS AND RESEARCHERS ASSOCIATION (IARA) IN ASSOCIATION WITH JHARKHAND RAI UNIVERSITY’.
- Completed 1 week FDP (31ST MAY-5TH JUNE 2020) on ‘INNOVATIONS IN DRUG DELIVERY SYSTEMS’ organised by ‘BAPATLA COLLEGE OF PHARMACY, ANDHRA PRADESH’.
- Attended International Conference on ‘Changing Scenario of Management, Science & Technology’ held by ‘Indian Academicians And Researchers Association (IARA)’.
- Attended webinar on ‘Pharma Tutor Edu. Labs’ on ‘Herbal & Nutraceuticals sector and QUALITY ASSURANCE’
- Completed National Faculty Development Program on ‘ARISE- on Latest Trends in Pharmacology’ held by ‘Department of Pharmacology, Hindu college of Pharmacy’
- 10. Participated in ‘SPIT-FREE INDIA MOVEMENT’ on ‘NATIONAL SERVICE SCHEME AND ACF (SUPPORTED BY TATA TRUSTS)’

## Department of Agriculture

### Dr. Hemlata Kumari, Assistant Professor - Department of Agriculture

- Published paper titled on Genotype x Environment Interaction and Stability Analysis for Yield and Quality Traits in QPM (Zea mays L.), International Journal of Current Microbiology and Applied Sciences, ISSN: 2319-7706 Volume 9 Number 1 (2020)
- Attended Faculty Development Program- Teaching Tools To Knockdown The Lockdown organized by College of Agriculture, Balaghat, UP, 16-20.05.2020
- Attended Faculty Development Program- How To Write And Publish Paper Paper In Springer And Elsevier Journals, Jharkhand Rai University, Ranchi, 01.06.2020
- Attended three days workshop - Value Addition of Fruits and Vegetables organized by Jharkhand Rai University, Ranchi, 18-20.05.2020
- Published a book titled on Biomatrix in Plant Breeding by New Vishal Publication, ISBN 819445298-8, 2020
- Received Best Doctoral thesis award organised by Science and Tech. Society for Integrated Rural Improvement, Telangana (A.P), 10-11.08.2019
- Received Best oral presentation award organised by Science and Tech. Society for Integrated Rural Improvement, Telangana (A.P), 10-11.08.2019
- Received Best poster presentation award organised by Science and Tech. Society for Integrated Rural Improvement, Telangana (A.P), 10-11.08.2019

### Dr. Neeraj, Assistant Professor - Department of Agriculture

- Published paper titled on Effect of Different Packaging Methods on Shelf Life of Potato stored at Room Temperature, Int.J.Curr.Microbiol.App.Sci (2019) 8(9): 2115-2121 2115
- Published paper titled on Effect of hot water treatment and packaging methods on physiological quality of potato tubers stored at room temperature, International Journal of Chemical Studies 2019; 7(5): 988-991
- Published paper titled on Effect of Chemical treatment, storage and packaging on physico-chemical properties of sunflower microgreens, International Journal of Chemical Studies 2019; 7(5): 1046-1050
- Published paper titled on Evaluation of effects of chemical treatments on sensory attributes of sunflower microgreens with storage, Journal of Pharmacognosy and Phytochemistry 2020; 9(1): 439-443
- Published paper titled on Insect: a new food source, International Journal of Agriculture Sciences ISSN: 0975-3710 & E-ISSN: 0975-9107, Volume 11, Issue 24, 2019, pp.-9345-9349.
- Published paper titled on Potato Starch: Novel Ingredient for Food Industry, Int.J.Curr.Microbiol.App.Sci (2020) 9(1): xx-xx
- Published paper titled on Post-harvest quality of sunflower microgreens as influenced by organic acids and ethanol treatment, Journal of food processing and preservation, Accepted: 1 June 2020
- Published paper titled on Chironji (Buchanania lanzan) Wonder Tree: Nutritional and Therapeutic Values, Int.J.Curr.Microbiol.App.Sci (2020) 9(2): 3033-3042
- Published paper titled on Potential of fruit and vegetable waste as a source of pectin, International Journal of Chemical Studies 2020; 8(1): 3085-3090
- Attended FDP- How To Write And Publish Paper Paper In Springer And Elsevier Journals organised by Jharkhand Rai University, Ranchi
- Attended three days workshop - Value Addition of Fruits and Vegetables organized by Jharkhand Rai University, Ranchi, 18-20.05.2020
- Attended two week online training on the topic-Advance In Smart Food Processing Technologies organised by CAAST-CSAWM, MPKV RAHURI, 4-15.06.2020
- Attended one week webinar on the topic Role of technologies and automation in food processing and preservation organised by Centre Of Advanced Agricultural Science And Technology, 14-19.05.2020
- Participated in E-Quiz On "World Environment Day 2020" organised by School Of Agricultural Sciences, Dr. K. N. Modi University, Tonk, (Rajasthan) 05.06.2020
- Attended one day webinar on the topic Preparing And Management Of Research Projects In Food Technology And Allied Sectors organised by NIFTEM, SONIPAT, HARYANA 26.06.2020
- 16. Attended one day webinar on the topic Impact Of Covid 19 On Dairy Industry organised by Warner College of Dairy Technology, Shuats(UP), 08.06.2020

## Department of Agriculture

### Dr. Dhananjay Kumar, Associate Professor - *Department of Agriculture*

- Published paper titled on Effect of communication based extension services on adoption behaviour of farmers, Journal of Pharmacognosy and Phytochemistry 2020; 9(1): 2153-2157
- Attended three days workshop - Value Addition of Fruits and Vegetables organized by Jharkhand Rai University, Ranchi, 18-20.05.2020

### Dr. Alok Kumar, Assistant Professor, Department of Agriculture - *Department of Agriculture*

- Published paper titled on Effect of communication based extension services on adoption behaviour of farmers, Journal of Pharmacognosy and Phytochemistry 2020; 9(1): 2153-2157
- Attended three days workshop - Value Addition of Fruits and Vegetables organized by Jharkhand Rai University, Ranchi, 18-20.05.2020
- Attended workshop Unnat Bharat Abhiyaan and Orientation Workshop organised by Unnat Bharat Abhiyaan, NIT, Jamshedpur, 26.12.2019
- Attended FDP- How To Write And Publish Paper Paper In Springer And Elsevier Journals organised by Jharkhand Rai University, Ranchi
- Attended FDP- "Research Support Tools: Effective e-Learning with Smart Tools & Techniques" organised by College of Agriculture, Powarkheda, 28-30.05.2020

### Dr. Shaili Kumari, Assistant Professor - *Department of Agriculture*

- Attended FDP- How To Write And Publish Paper Paper In Springer And Elsevier Journals organised by Jharkhand Rai University, Ranchi
- Attended two days webinar on the topic traditional Agriculture: Self-reliant Bharat, Kshitij Foundation and Agrivision, 20-21.06.2020

### Prof. Sushma Priya, Assistant Professor - *Department of Agriculture*

- Published paper titled on Variability in Area, Production, Productivity and , Export of Mango, International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706 Volume 9 Number 2 (2020)
- Attended Faculty Development Program- Teaching Tools To Knockdown The Lockdown organized by College of Agriculture, Balaghat, UP, 16-20 .05.2020
- Attended Faculty Development Program- How To Write And Publish Paper Paper In Springer And Elsevier Journals, Jharkhand Rai University, Ranchi, 01.06.2020
- Attended three days workshop - Value Addition of Fruits and Vegetables organized by Jharkhand Rai University, Ranchi, 18-20.05.2020
- Attended FDP- Virtual Teaching-Learning Moodle The Efficient Way organised by Dr.Mgr Educational And Research, T.N, 29-30.05.2020

## Department of Electrical Engineering

### **Dr. Sumit Kumar Pandey, Assistant Professor - Department of Electrical Engineering**

- Published paper Titled on “Full Order Observer Based Load Frequency Control of Single Area Power System” at IEEE Conference March 2020.
- Published paper Titled on “Discrete Decoupling and Control of Time-Delayed MIMO Systems” in the International Journal of Springer at March 2020.
- Published paper Titled on “Design of Optimal PID Controller for Control of Twin Rotor MIMO System (TRMS)” in the International Journal of Springer at March 2020.
- Published paper Titled on “Generalized Decoupling and Robust Control of Unstable MIMO System” in the International Journal of Springer at March 2020.
- Received recognition from “Institute For Engineering Research and Publication (IFERP)” & Join the Editorial Board/Reviewer Team March 2020.
- Received Invitation for an Organizing Committee Member for 6th Int'l Conference on Microwave and Terahertz Technology on IOT and Intelligent Apps 2020.
- Received Recognition as a Technical Program Committee on “7th World Congress of Smart Materials-2021 (Singapore)”
- Received Invitation for Oral Speech Invitation from WCSM-Singapore 2021 from “The 7th World Congress of Smart Materials-2021 (Singapore)”.

### **Dr. Shraddha Prasad, Associate Professor - Department of Electrical Engineering**

- She has edited a book titled as “Advances in Science & Technology” ISBN No. 978-81-946375-0-9. Published by International Publisher, Empyrean Publishing House, 2020.
- Published a paper titled “Homo and Lumo Approach of Bulk Modulus of Ternary Chalcopyrite” in Journal of Resource Management and Technology, PP 71-75, Vol. 11, Issue 2, May, 2020.
- Published a paper titled “Original Digital Color Image Reconstruction Using Smooth Hue Transition Estimation Method” in International Journal of Psychosocial Rehabilitation, PP 1379-1390, Vol. 24, Issue 10, April 2020.
- She becomes a “Life Membership” on February 2020 in Indian Academic Researchers Association, Tamil Nadu.
- She has contributed two chapters in a book titled as “Advances in Science & Technology” ISBN No. 978-81-946375-0-9. The chapters name are “Ternary Chalcopyrite: Most Promising Material of This Century” and “Demosaicking for Artificial Vision-Implementation and Evaluation” published by International Publisher, Empyrean Publishing House, 2020.
- She has chaired a technical session in the International E-Conference organized by Indian Academicians and Researchers Association in Association with Institute for Scientific Research and Development, Montenegro on 14th June 2020.
- Attended FDP on 4C's of 21st Century skills organized by Experimental Education Lab from 27th April 2020 to 1st May 2020
- Attended 1 month IIC Online Session on IIC Online Sessions to promote Innovation, IPR, Entrepreneurship and Start ups among HEI organized by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi from 28th April-22nd May 2020.
- Attended FDP on How to write and Publish Paper in Scopus Journal organized by Daar-Ul-Rehmat Trust's A.E. Kalsekar Degree College, Thane on 18th May 2020.
- Attended FDP on Moodle Learning Management System organized by Jharkhand Rai University in association with Spoken Tutorial IIT BOMBAY from July 23rd July to 29th July, 2020.

### **Raghuwansh Singh, Assistant Professor - Department of Electrical Engineering**

- Published a paper titled “Control of Magnetic Levitation System by Feedback Linearization & Identification Technique” at International Conference of Springer, ICETSGAI4.0 from (5-7) Dec 2019.
- Attended FDP on Moodle Learning Management System organized by Jharkhand Rai University in association with Spoken Tutorial IIT BOMBAY from July 23rd July to 29th July, 2020.
- Attended FDP on “Big Data Tools” organized by St. Martin's Engineering College in association with Computer Society of India & Information Technology from (18-23) May 2020.
- Attended FDP on “Recent trends in Energy Conservation Management & Energy Audit” organized by RGPV TEQIP-III in association with Gyan Ganga Institute of Technology & Sciences, Jabalpur.

- Completed 12 Week - NPTEL Online Certification Course on “Digital Signal Processing” during (July-Oct) 2019.
- Completed 12 Week - NPTEL Online Certification Course on “Control Engineering” during (Jan- April) 2020.
- Attended IIC Online Sessions conducted by Institution’s Innovation Council (IIC) of MHRD’s Innovation Cell, from (28 April-22 May) 2020
- Attended Short term Training Programme on “ An Emerging Paradigm of Low Power Computational VLSI Design” organized by B V RAJU Institute of Technology, in Association with IEEE from (16-20) June 2020.
- Participated in e-Sim Training which is organised by Sreyas Institute of Engineering and Technology in association with spoken Tutorial IIT Bombay on 29 May 2020.

### **Rajeev Kumar, Lecturer - Department of Electrical Engineering**

- Received letter of appreciation from Sri Aurobindo Society for sustainable efforts towards promoting Joyful and Experiential Teaching.
- Attended Faculty awareness program Online Faculty Awareness Program on “Research Methodology” organized by Department of Mechanical Engineering, Rajgad Dnyanpeeth’s Shri Chhatrapati Shivajiraje College of Engineering, during the period of 20/05/2020 to 25/05/2020.
- Participated in STTP on “An Emerging Paradigm of Low Power Computational VLSI Design” from 16-06-20 to 20-06-20 conducted by Department of Electronics and Communication Engineering of BV Raju Institute of Technology
- Participated in e-Sim Training organised at Sreyas Institute of Engineering and Technology with Course material provided by spoken Tutorial Project IIT Bombay on 29 May 2020.
- Attended a Webinar on “Quantum Computing and Machine Learning”- By Expert Speaker, Mr. Deep Prasad, CEO of ReactiveQ (Canada), 26th of May 2020. May 2020 Organized by AIC-ADT Baramati Foundation.
- Has been awarded for his/her participation in online quiz on Covid -19 Awareness and Management Conducted by Gyani Inder Singh Institute of Professional Studies, Dehradun Uttarakhand.
- Attended FDP on Moodle Learning Management System organized by Jharkhand Rai University in association with Spoken Tutorial IIT BOMBAY from July 23rd July to 29th July, 2020.

### **Gaurav Kumar Verma, Lecturer - Department of Electrical Engineering**

- Attended FDP on Moodle Learning Management System organized by Jharkhand Rai University in association with Spoken Tutorial IIT BOMBAY from July 23rd July to 29th July, 2020.
- Attended FDP on “Recent trends in Energy Conservation Management & Energy Audit” organized by RGPV TEQIP-III in association with Gyan Ganga Institute of Technology & Sciences, Jabalpur.

## **Department of Mining Engineering**

### **Prof. (Dr.) S P Singh - Professor - Department. of Mining Engineering**

- Received “TULSI BHUSAN AWARD” As a resource person in National Seminar on the topic “ Higher Education Today “ on 23rd June, 2019 Visakha Government Degree & PG college for women, Andhra Pradesh..
- Received “CORONA KARAMVEER SAMAN” award from RASHTRIYA SRIJAN ABHIYAN on 30th May, 2020.
- As a speaker in webinar on the topic “ Impact of COVID 19 Pandemic on Educational Sector” on 24th May, 2020 at Sarla Birla university, Ranchi.
- As a resource person in webinar on the topic “ Role of teacher for nation in present era ” on 26th July, 2020 VISHWA HINDI PARISAD, DELHI & PATEL B.ED COLLEGE , KHUNTI.
- As a resource person in National Seminar on the topic “ Higher Education Today ” on 23rd June, 2019 Visaka government Degree & PG college for women, Andhra Pradesh.

**Sumeet Kishore – Assistant Professor - Department. of Mining Engineering**

- Attended FDP on the topic MANAGING ONLINE CLASSES and CO-CREATING MOOCS:2.0 organized by Ramanujan College, University of Delhi from 18th May - 03th June,2020.
- Attended FDP on the topic ENGINEERING COLLEGES ON VIRTUAL LAB organized by Jharkhand educational Grid in association with BIT Sindri, NIT Surathkal & Jharkhand university of Technology on 29th June, 2020.
- Attended FDP on the topic RESEARCH METHODOLOGY organized by PILLAI COLLGE OF ARTS, COMMERCE & SCIENCE, MUMBAI from 4th MAY -8th MAY, 2020.
- Attended FDP on the topic Moodle Learning Management System by organized IIT BOMBAY with Jharkhand Rai University from Jul 23 - Jul 29, 2020.
- Attended Workshop on the topic PROBLEM IDENTIFICATION IN RESEARCH organized by PANDIT DEENDAYAL PETROLEUM UNIVERSITY on 4th May, 2020.
- Got MEMBERSHIP CERTIFICATE from INSTITUTE FOR ENGINEERING RESEARCH AND PUBLICATION.
- Attended talk on Online Session on Innovation, IPR, Entrepreneurship, and Start-ups among HEIs organized by IIC & MHRD from 28th April- 22nd May, 2020.

**Ved Prakash Singh – Assistant Professor - Department. of Mining Engineering**

- Attended FDP on the topic Evolution from Offline to Online Teaching organized by SATISH PRADHAN DNYANASADHANA COLLEGE, UNIVERSITY OF MUMBAI from May 30,2020 - June 03, 2020.
- Attended FDP on the topic Moodle Learning Management System by organized IIT BOMBAY with Jharkhand Rai University from Jul 23 - Jul 29, 2020.
- Attended FDP on the topic VIRTUAL TEACHING - Learning MOODLE the Efficient way organized by Dr.M.G.R EDUCATIONAL AND RESEARCH INSTITUTE, Chennai from 29th May 2020 and 30th May 2020.
- Attended FDP on the topic Gateway to Innovation organized by SHRIMATI INDIRA MAHADEV BEHARAY COLLEGE OF ARTS , RATNAGIRI, MAHARASTRA from 22-26 June, 2020.
- Attended FDP on the topic International Yoga Awareness Faculty Development Program organized by ARTS, COMMERCE & SCIENCE, GANGAKHED on 15 - 19 June, 2020.
- Attended FDP on the topic Mastering the Art of Handling Post Covid Challenges for Sustainable Development organized by Dr. M.G.R EDUCATIONAL AND RESEARCH INSTITUTE, Chennai from 19th May - 23rd May, 2020.

**Sanjeev Thakur – Lecturer - Department. of Mining Engineering**

- Attended FDP on the topic PHP & MYSQL organized by JNTUH College Of Engineering, Jagtial from 18.05.2020 to 23.05.2020.
- Attended FDP on the topic Moodle Learning Management System by organized IIT BOMBAY with Jharkhand Rai University from Jul 23 - Jul 29, 2020.
- Attended FDP on the topic VIRTUAL TEACHING - Learning MOODLE the Efficient way organized by Dr.M.G.R EDUCATIONAL AND RESEARCH INSTITUTE, Chennai from 29th May 2020 and 30th May 2020.
- Attended FDP on the topic Mastering the Art of Handling Post Covid Challenges for Sustainable Development organized by Dr. M.G.R EDUCATIONAL AND RESEARCH INSTITUTE, Chennai from 19th May 2020.

## Department of Mechanical Engineering

### Dr. Supriti Jana, Assistant Professor - Department of Mechanical Engineering

- Faculty development program in “Managing online classes and co-creating MOOCS: 2.0” on May 18 – June 03, 2020 organized by Ramanujan College, University of Delhi and sponsored by Ministry of Human Resource Development (MHRD), Government of India, PMMMNMTT.
- Faculty development program in “Effective ways to develop e-content for Teaching Learning” on 21st May 2020 to 30th May 2020 organized by M.V.P. Samaj’s K.R.T. Arts, B.H. Commerce and A.M. Science (K.T.H.M.) College, Nashik and UGC- Human Resource Development Centre (HRDC), Savitribai Phule Pune University, Pune.
- International Faculty development program in “Pharmaceutical Education and Research” on 13th May – 18th May 2020 organized by Internal Quality Assurance Cell (I.Q.A.C.), Bapatla College of Pharmacy, Bapatla, Andhra Pradesh, India, affiliated to JNTU Kakinada, approved by Pharmacy Council of India (PCI), New Delhi.
- Faculty development program in “Learning, Pedagogy and Effective Use of Case Methodology” on 17th May to 21st May 2020 organized by Adoption of Social Media in Academia and ASM.
- Faculty development program in “IT INDUSTRY REAL-TIME TOOLS” on 29.06.2020 to 03.07.2020 organized by Department of Computer Science and Engineering & Department of Information Technology, Bharat Institute of Engineering and Technology, Hyderabad, Telangana.
- Faculty development program in “Advancements in Science and it’s Application in Engineering” on 22nd to 26th June 2020 by organized by yderabad Institute of Technology & Management, Medchal, Hyderabad, Telangana State, India.
- International Faculty development program in “Contemporary issues, Assessment, Collaboration, Research and Publication” on 15 – 21 June 2020 organized by SWAMI Shukdevanand PG College, Shahjahanpur (UP) INDIA (Faculty Of Commerce & Research Studies) In Association with Mohammad Ali Jauhar University, Rampur (Up) India (Faculty Of Commerce & Management).
- Attended webinar on “Aatmanirbhar Bharat: A Dawn of New Economic Reforms” on 23rd May, 2020 organized by Anna Leela College Of Commerce & Economics And Shobha Jayaram Shetty College For Bms Shashi, MUCTA, Maharashtra.
- Workshop attended on “LAW, GOVERNANCE & MANAGEMENT TO COMBAT COVID – 19 PANDEMICS: ISSUES AND CHALLENGES” on 3rd – 10th June, 2020 organized by Women’s Grievance Redressal Cell, Mahatma Jyotiba Phule Rohilkhand University, Bareilly (U.P), India & Prajna Parishad (Prajna Pravah, Braj) U.P, India.
- International webinar on “Challenges of New Role and Planning for Tomorrow: India’s Fight against COVID-19” on 1st to 3rd of June 2020 organized by Department of Education (Under the UGC mandate Notification, D.O. No.1-3/2020(CM) dated 28th March 2020) Arya Mahila P.G. College (Admitted to the privileges of Banaras Hindu University).
- International Faculty development program in “Recent Trends in Science and Technology” on 15-20 June, 2020 organized by Academic Staff College, in Collaboration with School of Applied Sciences and Department of International Relation, Suresh Gyan Vihar University, Jaipur, Rajasthan.
- Attended workshop on “Exploring Mobile Phone as an Effective Tool for Online Teaching and Learning” on 16th, 17th & 18th June, 2020 organized by Lala Lajpatrai College of Commerce and Economics, Mumbai. Lala Lajpatrai Marg,, Mahalakshmi, Mumbai, Maharashtra 400034 & S.P Mandali’s, R.A. Podar College of Commerce & Economics Mumbai. (Autonomous).
- Attended Virtual International Poster Conference “COVID-19 (VIP-C-COVID: Impact and Response” on 12 – 13 June, 2020 organized by Internal Quality Assurance Cell (IQAC), Karmaveer Hire Arts, Science, Commerce and Education College, Gargoti, Tal – Bhudargad, Dist – Kolhapur, M.S. India 416 209 in collaboration with Bhumi Publishing, India.
- Faculty development program in “Scilab” on 15th – 19th, June 2020 organized by Department of Science & Humanities, St. Peter Engineering College, in association with IIT-Bombay (Remote Learning through Spoken Tutorial).
- Faculty development program in “Open Source Tools for Research” on June 08 – June 14, 2020 organized by Ramanujan College, University of Delhi and sponsored by Ministry of Human Resource Development (MHRD), Government of India, PMMMNMTT.
- Faculty development program in “E-Content Development in Teaching” on June 04 – June 10, 2020 organized by Saraswati Kala Mahavidyalaya, Dahianda, akola in association with Sant Gadge Baba Amaravati University.
- Attended webinar on “Art of Online Teaching, Research Paper Writing & Patent registration” on May 18 – May 20, 2020 organized by Institute of Technology & Management, Nanded, Maharashtra.



### **Om Prakash Satyam, Assistant Professor - Department of Mechanical Engineering**

- Attended webinar on “VIRTUOSA” on 14. 05.2020 - 20.05.2020 organized by KSMDDB College Kerala, IQAC.
- Faculty development program in “Managing Online classes and content creating MOOCs 2.0” on 18.05.2020 - 03.06.2020 organized by Ramanujan College.
- Faculty development program in “Outcome based Education and Accreditation” on 25.05.2020 - 29.05.2020 organized by IILM Noida.
- Faculty development program in “Innovative Teaching & Learning Methods” on 20.5.2020-21.05.2020 organized by St. Xavier’s College of Women, Aluva.
- Active SPOC from SWAYAM-NPTEL during July-December 2019.
- Letter of Appreciation from SWAYAM-NPTEL during Jan-June 2020 semester.
- Short term course on Plastic waste Management from SWAYAM-NPTEL in 2020 (Jan. – March 2020).

## **Department of Civil Engineering**

### **Prof. Nand Kishore Roy, Professor - Department of Civil Engineering**

- Published a Book Titled ”Irrigation Engineering” having ISBN number- 978-81-946486-0-4.

### **Binod Kumar Mahto- Assistant Professor - Department of Civil Engineering**

- Participated in Faculty Development Program Organised by CMRIT,Hydrabad from 20th May to 22nd May 2020 on the Topic”Recent Advances in civil Engineering”.
- Participated in Faculty Development Program Organised by MKSS College of Engineering Nagpur and associated with ASM international, Pune India. from 15th May to 21st May 2020 on the Topic “Renewable Energy Resources”.
- Participated in Faculty Development Program Organised by INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous) Dundigal, Hyderabad – 500043, Telangana, India from 26th May to 30th May 2020 on the Topic “ Global Trends in Civil & Infrastructural Engineering (GTCIE-2020)”.
- Participated in Faculty Development Program Organised by Institution’s Innovation Council (IIC) of MHRD’s Innovation Cell, New Delhi. from 28th April to 22nd May 2020 on the Topic “To promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs”.
- Participated in Faculty Development Program Organised by lakireddy bali reddy college of engineering (autonomous) mylavaram, andhra pradesh-521230 . From 18th may to 20nd may 2020 on the topic “analysis and modelling of pandemic scenarios using empirical and gis techniques”, ”.
- Participated in Faculty Development Program Organised by MKSS College of Engineering Nagpur and associated with ASM international, Pune India. from 15th May to 21st May 2020 on the Topic “Renewable Energy Resources”.
- Participated in Faculty Development Program Organised by Shri Chhatrapati Shivajiraje College of Engineering. from 20th May to 25th May 2020 on the Topic “Research Methodology”.
- Participated in Faculty Development Program Organised by New Horizon institute of technology and Management, Thane. from 25th May to 29th May 2020 on the Topic “Infrastructure Development”.
- Participated in Faculty Development Program Organised by JB institute of Engineering Technology, Hyderabad from 01st June to 06th June 2020 on the Topic “Emerging Technology in Civil Engineering”.

### **Rajeev Nayan - Assistant Professor - Department of Civil Engineering**

- Participated in Faculty Development Program Organised by Veermata Jijabai Technological Institute (VJTI), Mumbai and Engineering College Ajmer, Rajasthan from 2nd June to 7th June 2020 on the Topic” Recent Advances in civil Engineering”.
- Participated in Faculty Development Program Organised by Dr.M.G.R EDUCATIONAL AND RESEARCH INSTITUTE Maduravoyal, Chennai - 600 095. Tamilnadu. India. from 19th May to 23rd May 2020 on the Topic “Mastering the Art of Handling Post Covid Challenges for Sustainable Development”.
- Participated in Faculty Development Program Organised by Dr.M.G.R EDUCATIONAL AND RESEARCH INSTITUTE Maduravoyal, Chennai - 600 095. Tamilnadu. India. from 29th May to 30th May 2020 on the Topic “ VIRTUAL TEACHING - Learning MOODLE the Efficient way “.
- Participated in Faculty Development Program Organised by New Horizon institute of technology and Management, Thane. from 25th May to 29th May 2020 on the Topic “Infrastructure Development”.
- Participated in Faculty Development Program Organised by JB institute of Engineering Technology, Hyderabad from 01st June to 06th June 2020 on the Topic “Emerging Technology in Civil Engineering”.

## Department of Civil Engineering

### **PRASOON KUMAR- Lecturer - Department of Civil Engineering**

- Participated in Faculty Development Program Organised by Veermata Jijabai Technological Institute (VJTI), Mumbai and Engineering College Ajmer, Rajasthan from 2nd June to 7th June 2020 on the Topic "Recent Advances in civil Engineering".
- Participated in Faculty Development Program Organised by Dr.B.R. AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY JALANDHAR from 25th August to 29th August 2020 on the Topic "Construction Materials and Methods in Civil Engineering".
- Participated in Faculty Development Program Organised by Cambridge Institute of Technology, Ranchi on 31st May 2020 on the Topic "IoT based solar Power supply For Rural India".

## Department of Commerce & Management

### **Dr. Roshan Kumar - Associate Professor- Department of Commerce & Management**

- Published a paper in 'peer-reviewed Journal The IUP Journal of Financial Risk Management Vol. XVI, No. 4 Dec 2019 Page No 74-83 in month December 2019 on topic "Perception of Investors and Financial Experts Regarding the impact of Fluctuations in exchange Rate on share Price".
- Published a paper in GNA Journal of Management & Technology Vol. X, No. 1 June 2019 Page No 29-38 in month of December 2019 on topic "Impact of Foreign Exchange Rate Fluctuations on Stock Market Index with Reference to NSE".
- Published a paper in UGC Listed Journal PIMT journal of research (ISSN 2278-7925) Volume 12 No.1 (July to December) 2019 in month of October 2019 on topic "Relationship Among Gold Prices and stock Indices-An empirical Analysis with reference to Bombay Stock Exchange S&P Metal Indices".
- Attend Seven Days International Online Workshop from 19th May 2020 to 25th May 2020 on "RESEARCH METHODOLOGY" organized by Candidly Education Society's, B. K. Shroff College of Arts and M. H. Shroff College of Commerce, Vasantnada Patil Institute of Management Studies and Research, Sangli in Association with University of Mumbai.
- Attend One-week Faculty Development program from May 25, 2020 to May 31, 2020 on the topic "NEW CHALLENGES IN BUSINESS MANAGEMENT POST COVID PANDEMIC SCENARIO" Organized by CMR TECHNICAL CAMPUS, Department of MBA in Association with TRYITFIRST.

### **Amrita Majumdar- Assistant Professor- Department of Commerce & Management**

- Received ILDC-AMP Women Excellence Awards 2020 organised by ILDC (International Leadership Development Council) in partnership with AMP (Academy of Management Professionals) towards the contribution in Management Teaching & Administration on 15th March 2020.
- Attended Faculty Development Program on "Managing Online Classes and Co-Creating MOOCs" organized by Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by Ministry of Human Resource Development, Pandit Madan Mohan Malaviya National Mission on Teachers and Training from April 20, 2020 - May 06, 2020.
- Attended Faculty Development Program on "Moodle Learning Management System" organized by Sanatan Dharma College, Ambala Cantt, Haryana from May 13, 2020 - May 17, 2020.
- Attended Faculty Development Program on "Open Source Tools for Research" organized by Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by Ministry of Human Resource Development, Pandit Madan Mohan Malaviya National Mission on Teachers and Training from June 08, 2020 - June 14, 2020.
- Attended Short Term Course on "Community University Engagement: Moving Towards Engaged Teaching, Research and Service" organised by PRIA International Academy in association with Association of Indian Universities (AIU) from May 18, 2020 - May 22, 2020.

### **Dr. Anusha Priya - Assistant Professor- Department of Commerce & Management**

- Awarded with PhD in the Faculty of Commerce & Management on 15th of June, 2020.
- Completed a 6 days nation online FDP on Research Methodology from 25th May to 30th May.

## Department of Commerce & Management

### Dr. Abhishek Pratap: Assistant Professor- Department of Commerce & Management

- Participated in FDP on New challenges in Business Management Post Covid-19 Pandemic Scenario conducted by CMR Technical Campus (UGC Autonomous, Accredited by NBA & NAAC with “A” Grade) from 25th May- 31st May 2020.
- Delivered lecture as a speaker at a webinar on “Evolving Role of management Graduates Post COVID: A Corporate Perspective” organized by Jharkhand Rai University in Association with Nirmala College Ranchi on 16th June.
- Participated in online faculty Awareness Program on research Methodology conducted by Shri Chhatrapati Shivajiraje College of Engineering (Approved by AICTE) from 20th May- 25th May.

### Dr. Khaleda Rehman - Assistant Professor - Department of Commerce & Management

- Case writing with a focus on developing cases in Indian context CMR College dated 6th July 2020
- Educate the educator:2020 Nehru Art and Science College dated 18th May 2020
- Managing online classes and co creating MOOCS :20 Ramanujan College, university of Delhi Dated 19th May
- Moodle Vellore Institute of Technology Dated 13th May
- Published a paper in UGC and ISSN Approved-Journal No: 63975 “MIGRANT LABOUR & COVID-19 PROBLEMS AND REMEDIES” dated 7th July 2020
- Published a paper in UGC and ISSN Approved - International Peer Reviewed Journal, Refereed Journal, Indexed Journal, Impact Factor: 5.87, ISSN: 2349-5162 UGC and ISSN Approved - Journal No: 63975 | Volume 7 | Issue 7 |& Page No : 1173-1178 “Water of Depletion(WoD)” 2020-07-15
- Published a paper in Scholarly open access journals, Peer-reviewed, and Refereed Journals, Impact factor 7.97 (Calculate by google scholar and Semantic Scholar | AI-Powered Research Tool) , Multidisciplinary, Monthly, Indexing in all major database & Metadata, Citation Generator, Digital Object Identifier(DOI) Volume 8 | Issue 7 & Page No : 2787-2793
- GENERATION OF WEALTH FROM WASTAGE SUNLIGHT BEAMS(WSB) THROUGH SOLAR PUMPING IRRIGATION (SPI) | July 2020
- Published a paper in UGC and ISSN Approved - International Peer Reviewed Journal, Refereed Journal, Indexed Journal, Impact Factor: 5.75, E-ISSN 2348-1269, P- ISSN2349-5138UGC Approval : Journal No: 43602 Volume 7 | Issue 3 | 2020Page No : 878-885 SENSOR BASED SOLAR ENERGY IRRIGATION (SB-SEI) FOR INDIAN July 2020
- Published a paper in International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Volume 8 Issue Page No : 1829 – 183 VII Flash Flood Utilization (FFU) for Indian Farmers July 2020
- Published a paper in International Journal of Science & Engineering Development Research with impact factor 5.47 Volume 5 | Issue 7 Page No : 931 – 936
- SOLAR ENERGY UTILIZATION (SEU) FOR SUSTAINABLE AGRICULTURE (SA) IJSDR - | July-2020
- 7. Published a paper in International Journal of Advances in Engineering and Management (IJAEM) Impact Factor value 7.429 Volume 2, Issue 3, PP No: 649-655 SOLAR ENERGY TO INDIAN FARMING (SE-2-IF) (A case study of solar energy initiative for agriculture in Bokaro district of Jharkhand dated 8.06.2020

## Department of Computer Science and Information Technology

### Anuradha Sharma - Assistant Professor- Deptt. of Computer Science and Information Technology

- Participated in the One Month IIC Online Sessions conducted by Institution’s Innovation Council (IIC) of MHRD’s Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020.
- Worked on project Doctor Patient Appointment Web app conducted by Unnat Bharat Abhiyan (UBA), National Institute of Technology, Regional Coordinating Institute, Jharkhand from 22nd may -3rd July 2020 through online during COVID 19 pandemic.
- Participated in online course on the topic “R-Programming” by IIT Bombay.
- Participated in 1-Week Faculty Development Program on Big Data Tools from 18th May 2020 to 23rd May 2020 organized by St. Martin’s Engineering College.
- Attended workshop on Knowledge Generation in Education during COVID 2019 Pandemic from 12th May to 16th May 2020 by Bombay Teachers’ Training College, HSNC University Mumbai and Department of Education, University of Mumbai.

- Participated in 1-Week Faculty Development Program on ICT based tools and its applications in Teaching Learning Process from 27th May- 2nd June 2020 organized by Educational Learning Centre, Nagpur.
- Participated in 1-Week Faculty Development Program on Artificial Intelligence and Machine Learning from 23rd December 2019 to 27th December 2019 organized by IIT Roorkee
- Participated in 1-Week Faculty Development Program on PYTHON 3.4.3 from organized 1st June 2020 to 6th June 2020 by Vaagdevi College of Engineering, Warangal in association with Spoken Tutorial IIT Bombay.

**Dr. Ashish Kumar Sinha, Associate Professor- Deptt. of Computer Science and Information Technology**

- Participated in the course Python 3.4.3 training in January 2020 semester organised by the Spoken Tutorial Project, IIT Bombay.
- Participated in one week faculty development program on “Internet of Things for Emerging Applications” from 10 May 2020 to 14 May 2020.
- Participated in one week faculty development program on “Big data tools” from 18 May 2020 to 23 May 2020.
- Participated in 5 days online faculty development program on “Networking & Cyber security” from 23 May 2020 to 27 May 2020.
- Participated in Short Term Training Programme (STTP) on “An Emerging Paradigm of Low Power Computational VLSI Design” from 16 June 2020 to 20 June 2020.

**Kriti Verma, Assistant Professor- Deptt. of Computer Science and Information Technology**

- 5 days (30th May to 3rd June 2020) FDP from Satish Pradhan Dnyanasadana college, Thane in association with IQAC, FDP Committee and Microsoft on the topic FDP on “Evolution from offline to Online Teaching”
- 5 days (16th May to 20th May 2020) FDP from Siddeshwar Women’s Polytechnic College, Pune in association with IIT Bombay on FDP on “C and CPP”
- 1 week (27th May to 2nd June 2020) FDP from BSVS Educational Learning centre, Nagpur on FDP on “ICT based tools and its applications in teaching learning process”
- 1 week (31st May to 5th June 2020) workshop from Indian National Young Academy of Science and Central University of Punjab on “Tangled Bank”
- 1 Month (28th April to 22nd May, 2020) IIC Online Course from Institution’s Innovation Council (IIC) of MHRD’s Innovation Cell, New Delhi on Innovation, IPR, Entrepreneurship, and Start-ups.
- 1 week (6th July - 11th July, 2020) workshop from KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, Warangal on Fundamentals of MATLAB and Programming.
- 4 days (10th July to 13th July, 2020) FDP from Logistics Sector Skill Council on Pedagogy for Logistics Courses
- NPTEL course from NPTEL Online Certification, IIT Madras on Introduction to Operations Research.
- 3 days (18th to 20th 2020) workshop from Tikal College of Science & Commerce on Research Methodology, Statistical Techniques & Data Analysis using MS excel.
- Three courses from coursera – Fundamental of Digital Marketing (Google Digital Garage – 40 Module), Elements of AI (University of Helsinki, Finland – 6 week) & Evidence and data collection for Problem Solving (University of Leeds and Institute of Coding (Future Learn) – 4 week).

**Kumar Amrendra - Assistant Professor- Deptt. of Computer Science and Information Technology**

- One Chapter has been contributed in a book titled as “Advances in Science & Technology”, ISBN No. 978-81-946375-0-9. Chapter No.3. Title of the chapter is “Emerging Trends and Applications in Mobile Ad Hoc Networks (MANETs)” The publisher of the book is “Empyreal Publication House, International Publisher, 2020”.
- Received Top Performing Mentor award by NPTEL (SWAYAM) for his role as a mentor for the NPTEL Online Certification Course Digital Signal Processing during July 2019- Dec 2019.
- Associated with Indian Academic Researchers Association, Tiruchirappalli, Tamil Nadu chapter as a Life Time Member.
- Worked on project Doctor Patient Appointment Web app conducted by Unnat Bharat Abhiyan (UBA), National Institute of Technology, Regional Coordinating Institute, Jharkhand from 22nd may -3rd July 2020 through online during COVID 19 pandemic.
- Completed online course on “Satellite Photogrammetry and its Application” through online distance learning. The course was conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Department of Space, Government of India.

- Participated in the One Month IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020.
- Participated in 2-Week Faculty Development Program in Entrepreneurship from 20th Jan 2020 to 1st Feb 2020 organized by XISS, Ranchi, Sponsored by NSTEDB, Department of Science and Technology, Govt. of India in association with EDII Ahmedabad.
- Participated in 2-Week Faculty Development Program on the topic E-Learning Resource Creation from 8th June 2020 to 20th June 2020 organized by D. Y. Patil College of Engineering and Technology.
- Attended Global Entrepreneurship Summit 2020 organized by e-cell, IIT Kharagpur from 31st Jan 2020 to 2nd Feb 2020.
- Participated in online course on the topic The Fundamentals of Digital Marketing by Google Digital Garage.
- Participated in online course on the topic "R-Programming" by IIT Bombay.
- Participated in International E-Panel Discussion organized by ISM Patna on the topic Online Learning and its Positive and Negative Impact on Future Generation Education.
- Participated in One Week Workshop on Research Methodology organized by PDPU.
- Participated in 1-Week Faculty Development Program on Big Data Tools from 18th May 2020 to 23rd May 2020 organized by St. Martin's Engineering College.
- Participated in 1-Week Faculty Development Program on NAAC Assessment and Accreditation for Affiliated Colleges from 8th to 13th June 2020 organized by Vinayakrao Patil Mahavidhyala.
- Participated in 1-Week Faculty Development Program on Tools for Scientific Communication and Effective Teaching from 2nd to 6th June 2020 organized by Vaagdevi College of Engineering.
- Attended workshop on Research Methodology, Statistical Techniques & Data Analysis using MS Excel from 18th to 20th May 2020 organized by Tilak College of Science and Commerce, Vashi, Navi Mumbai.
- Participated in 1-Week Faculty Development Program on ICT based tools and its applications in Teaching Learning Process from 27th May- 2nd June 2020 organized by Educational Learning Centre, Nagpur.
- Participated in 1-Week Faculty Development Program on Modern Teaching, Evaluation and Research Methods from 2nd June 2020 to 7th June 2020 organized by Vinayakrao Patil Mahavidhyala.
- Participated in 1-Week Faculty Development Program on e-Content Development in Teaching from 4th June to 10th June 2020 organized by Saraswati Kala Mahavidyala.
- Attended 5 Day Faculty Development Program on Artificial Intelligence from 22nd May to 26th May 2020 organized by Sri Devi Women's Engineering College.
- Attended 5 Day Faculty Development Program on Evolution from offline to online Teaching from 30th May to 3rd June 2020 organized by Satish Pradhan Dhyansadhna College.

### **Dr. Priyanka Srivastava - Assistant Professor- Deptt. of Computer Science and Information Technology**

- Awarded with Ph.D with research title "Investigation of NEAR System in terms of Image Resemblance" on 13th March, 2020.
- Attended 5 Days National Level Online Faculty Development Program on Artificial Intelligence from 22 - 26 May, 2020, at Sridevi Women's Engineering College.
- Attended seven days online National Workshop on "An interactive approach for online design, develop and delivery for higher education", 06 - 12 May, 2020, at Panimalar Engineering College, Chennai.
- Presented a research article in International Symposium on 5G & Beyond for Rural Upliftment at BIT Sindri and IIT (ISM) Dhanbad, 8th and 9th February, 2020.
- Topic: "Measurement and Analysis of nearness among different images using varied probe functions".
- Srivastava, P., Sinha, P., et. al., Software Development Effort Estimation using Soft Computing methods, International Journal of Computer Engineering & Technology (IJCET), vol. 10(5), 2019, ISSN Online: 0976-6375
- Attended UGC Orientation Workshop on Awareness, Adoption & Promotion of MOOCs on SWAYAM platform, held at Ranchi University, Ranchi on 03rd September, 2019

**Rajan Kumar Tiwari - Assistant Professor- Deptt. of Computer Science and Information Technology**

- Successfully completed a short term online course on “Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials” conducted by Indian Institute of Remote Sensing (IIRS), ISRO Dehradun, during 13-06-2020 to 01-07-2020
- Successfully completed the E-Learning Course on “Machine Learning Fundamentals” in May, 2020 [Course conducted by: Tata Steel Ltd.]
- Successfully completed the E-Learning Course on “Industry 4.0” in May, 2020 [Course conducted by: Tata Steel Ltd.]
- Successfully completed the E-Learning Course on “MS Office” in May, 2020 [Course conducted by: Tata Steel Ltd.]
- Successfully completed the E-Learning Course on “Advanced MS-Excel” in May, 2020 [Course conducted by: Tata Steel Ltd.]
- Successfully completed the E-Learning Course on “Basic Total Quality Management Principles” in May, 2020 [Course conducted by: Tata Steel Ltd.]
- Attended a workshop on “Interdisciplinary Research Methodology, ICT Application & Innovations in Teaching Learning Process”
- Attended an FDP on “Evolution from Offline to Online Teaching” (May 30, 2020 - June 03, 2020)
- Attended an FDP on “Research Challenges in Computer Sc. & Engineering” (01 - 05 June, 2020)
- Attended an FDP on “Gateway to Innovation” (22-26 June, 2020)
- Attended an FDP on International Yoga Awareness Faculty Development Program (15 - 19 June, 2020)
- Attended an IIC Online Session on “Innovation, IPR, Entrepreneurship and Start-ups among HEIs”, conducted by MHRD (now MoE) Innovation Cell, New Delhi (April 28, 2020 - May 22, 2020)

**Wakil Kumar - Assistant Professor- Deptt. of Computer Science and Information Technology**

- Faculty Development Programme on “PHP & My SQL” organised by department of information Technology, Seridevi Women’s Engineering College, Hyderabad in association with spoken Tutorial IIT – Bombay from 8th May to 12th May 2020.
- Faculty development program for trainers on “Mastering the Art of Handling Post Covid Challenges for Sustainable Development” organised by the Faculty of Humanities and Science, Adayalampattu, Maduravoyal, Chennai, 19th May to 23rd May 2020.
- Faculty development program on “PERL SCRIPTING” organized by the Department of computer science and engineering in association with spoken tutorial IIT Bombay on 10th June to 14th June 2020.
- Two day national level E – Workshop on “ Understanding OBS studio & streamyard for E – Content creation and live streaming” organised by the Faculty of Humanities and Science, Adayalampattu Maduravoyal, Chennai from 10th July to 11th July 2020.

INITIATIVE

**MoU with National Stock Exchange (NSE) Academy Ltd.**

**A landmark agreement to conduct software training program for students**

MoU with National Stock Exchange (NSE) Academy Ltd. on 11th Feb.2020 to start Certification Programme in Financial Markets.



In order to provide better job opportunities to students, the Department of Management of Jharkhand Rai University,

Ranchi signed a MoU with the NSE Academy Limited. The Registrar of the University Dr Piyush Ranjan and National Stock Exchange senior Manager Mr. Avik Gupta inked the pact. Dr. Roshan Kumar HOD of Management Department was also present on the occasion. As per the MoU, the initial programs will be offered to BBA and MBA Students for NSE Academy Certification in Financial Markets. The MoU Objective is to improve the skill set of students in the financial sector, thus providing multiple career opportunities in areas like share Market, Mutual Fund, Banking, Assets Management Consulting, Private Equity, Insurance, NBFCs and Financial Services Institutions. The certified students will be eligible to be employed as financial analysts, relationship managers, portfolio managers, risk managers and operations managers etc. Many participants will be able to launch their own venture as well.



## MoU with Logistic Skill Council, Govt. of India

Jharkhand Rai University (JRU) signed an MOU on 4th July 2020 with “Logistics Sector Skill Council (LSC)” to launch an apprenticeship based BBA (Logistics) programme. So far, there has been no formal educational programme in the country to address the skill gap in the logistics sector. The MOU has been signed keeping in mind this gap and the emerging opportunity. The programme is a blend of



theory and hands-on learning through apprenticeship followed by a paid internship in the industry. Specific curriculum, developed by the LSC is imparted to the students to enhance their employability.

The key highlights of the programme are as follows:

- Assured Final Placement by Government of India, Logistics Skills Council
- Earn while you learn- Get Stipend upto Rs.9000 per month
- 18-Months Assured on-job training during the course

## MoU with iNurture Education Solutions Pvt. Ltd.



Jharkhand Rai University & iNurture signed a Memorandum of Understanding (MoU) on 13th May 2020 to offer three industry-driven programs in new-age sectors.

- BCA Cloud Tech and Information Security
- BBA Financial Services
- MBA Data Analytics

Dr. Savita Sengar, Vice-Chancellor of Jharkhand Rai University emphasized on the fact that the University is continuously focusing on adding courses that reflect the market needs. These additional new-age courses are industry-oriented and will place our students in a better position when they go for interviews and compete with others in the job market. JRU attaches the highest value to collaboration with other institutions who have a similar vision. This MoU is a reflection of this vision as we believe that new-age transformative education is the need of the hour.

Dr. Piyush Ranjan, Registrar, Jharkhand Rai University, expressed his full-fledged support for the development of this pioneering partnership.

## MoU with Ampersand Bionaturals Pvt. Ltd.

With a view to promote sustainable agriculture and climate resilient farming systems Jharkhand Rai University signed a Memorandum of Understanding (MoU) with Ampersand Bionaturals Pvt. Ltd. on 1st April, 2020 to collaborate in the area of agricultural research and training.

‘Experiential Learning’ as an integral part of its Agriculture Science courses at



Jharkhand Rai University. It is integrated in our curriculum since the beginning of the semester as it gives practical exposure to the students helping them to handle projects independently and confidently. Our Students learn the intricacies of modern farming at our sprawling farm spread across 20 acres at Rajaulatu, Namkum campus. We also have 1600 sq. m fully-automatic state-of-the art Poly House. Our students are actively involved in using various technologies, innovative and hi-tech farming practices. We are growing herbs, spices and variants of flowers used for medicinal and wellness products. The MOU is an attempt towards development of markets for consumption of the produce as well as preparing the technically qualified students to become agri-entrepreneurs.



# ENTREPRENEURSHIP INITIATIVES

Jharkhand Rai University, Ranchi in association with Ministry of Human Resource Development (MHRD), Govt. of India has established 'MHRD's Institution's Innovation Council (IIC) in the year September 2019 to systematically foster the culture of Innovation. The main objective of IIC at JRU is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes in their formative years.

As a major focus of IIC, we work towards the following objectives:

- To create a vibrant local innovation ecosystem
- Start-up supporting mechanism in HEIs
- Prepare institute for Atal Ranking of institutions on innovation achievements framework
- Establish function ecosystem for scouting ideas and pre-incubation of ideas
- Develop better cognitive ability among students

We participated in the following events under the guidance of IIC

## Entrepreneurship Awareness Drive (EAD) – Workshop



An “Entrepreneurship Awareness Drive” was organised by experts from IIT Khargpur on 19th Oct, 2019 at NIFFT Hatia, Ranchi. The objective of the event was to create Awareness regarding Entrepreneurship amongst students. The JRU students of Department of Management, CS & IT, EEE, CE, ME, MiE Engineering and B.Sc. Agriculture participated in the workshop.

## Entrepreneurship Awareness Camp (EAC) - Workshop

The Entrepreneurship Awareness Camp was organized by XISS Ranchi, and was sponsored by Department of Science and Technology, Government of India under NIMAT Project in association with EDII Ahmedabad from 18th- Nov to 20thNov, 2019. The JRU students from various Department of CS & IT, EEE, CE,ME,MiE Engineering participated in the three days awareness camp. The students were also given certificates for their participation.



## Workshop on Entrepreneurship conducted by Ministry of MSME under NLAP - 2020



A Workshop on National Level Awareness Program (NLAP)- 2020 by Micro, Small and Medium Enterprises (MSME) was conducted on 25th feb by Institution Innovation Council (IIC) of Jharkhand Rai University. The objective was to encourage & motivate the students about Entrepreneurship. The workshop was attended by students across departments.

# AGRICULTURAL INITIATIVES

Research and Innovation forms a significant part of our envisaged goals. Our aim is to integrate research & development with academics and encourage our faculty members and students to carry on research in their respective areas of interest. The University is focused on interdisciplinary, collaborative and community based research which will help to generate excellent technologies responding to the needs of local, national and global interests. Creation of an agriculturally literate society is not only essential but is the need of the hour and our team strives to help the students in the learning process. Our Agricultural Education Program aims at raising awareness for food and farming.

The University has identified agriculture as the core area of research and the focus is on the use of technology in agriculture to grow chemical free green organic vegetables and medicinal herbs. The University has a setup of 1600 sq. m. of fully automatic green house as agriculture research center. This green house is completely automated with internal and external shading provision. It consist of triple shading devices to ensure fully controlled system so that the required environment can be achieved for the growth of healthy plants. The structure is tunnel shaped which can withstand air speed up to 110 km/hr. This greenhouse has different types of hydroponic systems with fully automated fertigation equipment and water filtration plant. This will provide exposure to our students, researcher and the local community in advance soilless technology used

in organic farming using hydroponics. It is a matter of pride for the University that this facility will embrace latest technology available internationally and is first of its kind in the State. We inspire young people to think more deeply about sustainable agriculture, food supply and the role of science in this context. We are helping students and the rural community specially farmers to learn entrepreneurship in order to become change makers.



## ‘Learning by Doing’ a critical element across all our programs

### Modern Agricultural practices adopted in the university are mentioned below:

Our Students learn the intricacies of modern farming at our sprawling farm spread across 20 acres at Rajaulatu, Namkum campus. We also have 1600 sq. m fully automatic state-of-the art Poly House.

Our agriculture science students get trained in the following new-age farming techniques helping them to increase productivity & set-up their own Agri-ventures:

- Adopting High Density Planting or HDP Technique that has resulted in doubling our yield on maturity
- Hydroponics System used in our laboratory is one of its kind present in Eastern India
- Spawn Product Process- Mushroom cultivation unit giving students an opportunity to ‘earn while they learn’
- Practice Intercropping to increase yields per hectare
- Mulching
- Usage of Sprinklers



Spawn Product Process



Intercropping



Mulching



Sprinklers



**By incorporating this in our learning system, we aim to bring positive changes in the overall learning and behavior of the student:**

**Herbal Garden:** We have developed a ‘Herbal Garden’ at the University Campus in Namkum growing a variety of herbs like Ashwagandha, Brahmi, Tulsi, Lemon grass, Sage, Thyme, Celery, Parsley, Oregano, Rosemary & Peppermint etc. The herbal garden also has flowers like Hibiscus, Chamomile, Calendula, Marigold, Butterfly Pea and Lavender etc. used for their medicinal purposes.

**Identification of Plants:** We have done the identification of plants based on their biological & popular names and classified them as per their usage & benefits. The plants are spread across our Namkum campus-educating and creating awareness about our environment.


**DIGITAL INITIATIVE**

**Implementation of dedicated University Online Learning Management System Moodle (www.jrumoodle.in) from the session 2020-21**

The spirit of innovation, modernization and student centric teaching – learning approach blended with strong Mentorship Program is the cornerstone of academics at Jharkhand Rai University. University constantly put strives to bring out and develop the best practice in academia to the students with their changing needs and and time. Blended learning pedagogy is one of the most important pedagogical formats that can enhance student learning, optimize the use of active learning strategies, and potentially improve student learning outcomes. Jharkhand Rai University has implemented the blended teaching learning pedagogy through its own dedicated online learning management system Moodle (www.jrumoodle.in). All the academic activities (Lesson Plan/Attendance/study resources/ Assignments/ Continuous Internal Assessments (CIA)) are performed through JRUMoodle Platform.



Various academic activities of the university is also updated and uploaded on the “Student Corner” linked with the University website and Mobile app. Syllabus, Lesson Plan, Attendance, Notice, Assignment, Model Paper, Result, Continuous Evaluation etc are updated time to time. Students can fill-up their examination form, download the Admit card and also check their results online.



**JHARKHAND Rai University**

Remember username

Forgotten your username or password?

Cookies must be enabled in your browser ?

Some courses may allow guest access

# DIGITAL INITIATIVE

## Launch of COVID OPD Web App

Deptt. of CS & IT under the guidance of Prof Anuradha and Prof. Amrendra developed "COVID OPD" Webapp, under Unnat Bharat Abhiyan Project, IIT Delhi for e-check up and treatment during COVID-19 pandemic. Initially it was implemented in Palamu District and later across all districts of Jharkhand .

### Features:

#### Simple Appointment Process

For your visit to hospital, registration and appointment with doctor is now made simpler. Select available doctors in the respective department, chat with the doctor, discusses your problem, upload your previous prescription and in case of any further issue, you can call the doctor. In case of emergency, M-pass will be generated by doctors through which patient can visit at their place.

#### Consult Online Doctor

Find best Doctors from Jharkhand to get instant medical advice and second opinion for your health problems. Ask the doctors online and consult them on face-to-face video chat or phone. Get started now!

#### Find Best Doctor

Our find a doctor tool assists you in choosing from our diverse pool of health specialists. Discover better health & wellness by using our doctor ratings & reviews to make your choice.

#### Generating M-Pass

This site/App can help you to generate M-Pass to Travel across Jharkhand for only emergency & genuine works.

**Website Link:** <http://www.covidopd.in/>

## DIGITAL INITIATIVE

In tune with the *Digital India* program, a flagship program of the Government of *India*, JRU has started many plans to make University digitalized. So far, we have adopted and have taken many digital initiatives which majorly include MOOCs' Swayam Prabha, INFLIBNET, Registration Module, Online Admission process, Examination Form & online result, other academic activities etc.

**The details of the Digital Initiatives taken up by JRU are:**



### 'Swayam'- Study Webs of Active- Learning for Young Aspiring Minds

Jharkhand Rai University, Ranchi has adopted credit transfer through MOOCs courses from SWAYAM Platform involving Credit Transfer Mobility as per UGC Credit Framework

Regulations 2016. It focuses on Awareness, Adoption & Promotion" of the MOOCs Courses. Students can earn upto 20% of their credits through MOOCs courses from SWAYAM.

In each semester we have offered one subject from MOOCs platform focusing on the subjects suitable for credit transfer. For each MOOCs courses, doubt clearing classes are scheduled by the department. Jharkhand Rai University, Ranchi have incorporated SWAYAM courses in final year courses as open elective. For the Fall Semester, 2019, 152 students have cleared their papers.

A large number of students of our university have already registered for numerous courses of SWAYAM and have taken the examination for course certification. For the Fall Semester, 2019, 152 students have cleared their paper. After producing the certificate by the students, the respective student's marksheets will reflect the subject and credit earned through MOOC's.

Kumar Shubham (BT/17/033) of Deptt. of Computer Science & Information Technology has scored 80% in Digital Signal Processing course of SWAYAM (NPTEL) and became the all India - Course topper. Overall 4 ELITE & SILVER badge certificate, 43 ELITE certificate has been achieved by the students of Jharkhand Rai University.

### National Academic Depository (NAD) System

As per the recommendations of University Grant Commission, Jharkhand Rai University has initiated the process to participate in the National Depository System. In this direction the MOU has been signed with NSDL and the degree & certificate awarded so far by University has been already uploaded on NAD portal.



## E-library

Purchased

e-books

29,976

e-Journals

320

e-Magazines

126



## Examination Results at one click

Online Communication Interface at University portal

[www.jru.edu.in](http://www.jru.edu.in) 

## Online Payment Service

Fee Payment Detail		S.No.	Fee Head	Receiving
Reg.No	<input type="text"/>	1	ADMISSION REG FEE	
OR		2	SECURITY DEPOSIT ACADEMIC	
Enroll.No	<input type="text"/>	3	DEVELOPMENT CHARGES	
Name	<input type="text"/>	4	COURSE FEE	
Course	<input type="text"/>	5	HOSTEL & MESS FEE	
Father Name	<input type="text"/>	6	TRANSPORTATION CHARGES	
Remark		7	EXAMINATION FEE	
Semester	<input type="checkbox"/> SEM-I <input type="checkbox"/> SEM-II <input type="checkbox"/> SEM-III <input type="checkbox"/> SEM-IV <input type="checkbox"/> SEM-V <input type="checkbox"/> SEM-VI <input type="checkbox"/> SEM-VII	8	OTHERS	
		9	FINE	2500
		10	MIGRATION & PROVISIONAL FEE	
		11	CONVOCATION/DEGREE FEE	
		12	SUPPLEMENTARY/RE-APPEAR EXAM FEE	
			<b>Total Amount*</b>	2500

### Membership of The Association of Commonwealth Universities (ACU), London

JRU had been granted membership of The Association of Commonwealth Universities (ACU) London.



### Membership of Association of Indian Universities (AIU)



Association of Indian Universities (AIU) New Delhi vide letter No. Meet/GC/341/2017, dated 27/01/2017, JRU had been granted membership of AIU.



## TEACHING & NON TEACHING STAFF PROFILE

**Total Employee Strength                      182**

**Teaching Staff                                      56**

HOD - Engineering                              04

HOD - Agriculture                                01

HOD - Computer Science & IT                01

HOD - Management                             01

HOD-Pharmacy                                 01

Faculty Members                                48

**Academic Support Staff                        18**

Librarian    01

Library Assistants                               02

System Administrator                         01

Lab Assistants                                  05

Head MIS                                         01

Others     08

**Non-Teaching Staff                             108**

Head-Accounts                                 01

Accounts Staff                                 02

Head-Administration                         01

Administration Support                       86

Digital Cell                                     02

Admission Department                       06

Agricultural Assistant                        10

## MENTIONED BELOW IS THE LIST OF FACULTY MEMBERS ACROSS VARIOUS DEPARTMENTS IN OUR UNIVERSITY

### DEPARTMENT OF AGRICULTURE

#### **Prof. (Dr.) Suresh Mohan Prasad**



Dr. Suresh Mohan Prasad is Pro-Vice Chancellor (Research and Innovation) at Jharkhand Rai University. Dr. Prasad Obtained his Bachelor of Science in Agriculture degree from Bihar Agricultural College, Sabour (Now Bihar Agricultural University) then affiliated to Bhagalpur University in First Class. Dr. Prasad earned his Master's and Doctoral degrees in Plant Pathology with Specialization in Plant Virology from Indian Agricultural Research Institute (I.A.R.I.), New Delhi-110012 during the year 1971 and 1975, respectively, with OGPA of 3.75 and 3.77 Out of 4.00. Dr. Prasad was the recipient of I.C.A.R. Junior Research Fellowship (1969-71) and I.C.A.R. Senior Fellowship (1971-75). Dr. Prasad was associated with premier Institutions like I.A.R.I., New Delhi, Central Potato Research Institute (C.P.R.I.), Shimla and G.B. Pant University of Agriculture and Technology, Pantnagar, Dist., U.S.Nagar, Uttarakhand. Following selection in Agricultural Research Service (1977-Batch) Dr. Prasad joined Central Tuber Crops Research Institute (C.T.C.R.I.), Thiruvananthapuram, Kerala State, during October, 1977. Subsequently, Dr. Prasad joined Birsa Agricultural University (B.A.U.), Ranchi in the year, 1983 and served at BAU for 25 years in various capacities viz., Senior Scientist cum Associate Professor (Virology), Chief Scientist cum University Professor and Chairman, Department of Plant Pathology and also as Registrar of the University. At Jharkhand Rai University, Ranchi Dr. Prasad joined Faculty of Science & Engineering as Head, Department of Agriculture. After a brief spell as Dean (Agricultural Education) (w.ef. 1.6.1917 till 27.9.2017) Dr. Prasad was re-designated as Pro-Vice Chancellor (Research and Innovation). Dr. Prasad has published a large No. of Research Papers in National and International Journals of repute, presented papers in National and International Seminars, Symposia and Conferences, authored Book and Book Chapters & Technical Bulletins both in English and Hindi languages. Dr. Prasad is a Life Member of Indian Phytopathological Society, Indian Virological Society and Indian Society of Root Crops. Dr. Prasad has served as Councillor, Eastern Zone of Indian Virological Society. Dr. Prasad has guided Thesis Research work of six M.Sc. (Ag.) and Four Ph.D. Scholars and his Ph.D. students have won 4 Gold Medals including one Chancellor's Medal for Best Thesis Research in the Faculty/ University. Dr. Prasad was also the Rice Research Coordinator at the University Level. Dr. Prasad was President of the Literary and Debating Society and also Managing Editor of Faculty Student Magazine, The Zenith. Dr. Prasad was associated with Educational Administration as Registrar of the Birsa Agricultural University, Ranchi. Dr. Prasad has also served as State Level Consultant of National Horticulture Mission and as Expert Consultant on Organic Farming with Shri Ram Agro innovatives, a unit of Shri Ram Solvent Extraction Pvt. Ltd., (An ISO 9001-2008 Company), Kalkaji, Delhi-110019.

#### **Dr. Shweta Singh**



Shweta Singh is currently working as Assistant Professor & Program Coordinator – Department of Agriculture. She has earned her M.Sc. (Agricultural Biotechnology) and B.Sc. (Agriculture) from Birsa Agricultural University, Ranchi. She has qualified ICAR-NET in the year 2014. She is pursuing Ph.D. from Department of Bio-Engineering, B.I.T. Mesra, Ranchi. She has received merit fellowship throughout her graduation and post graduation period. She has received TEQIP fellowship during Ph.D. for nearly three years. She has published various research article and book chapters. She has attended a national seminar and received best poster award therein. Her areas of interest include plant tissue culture, hairy root transformation, molecular biology and metabolomics.

**Dr. Dhananjay Kumar**

Dr. Dhananjay Kumar is Associate Professor in the Department of Agriculture. Dr. Dhananjay Kumar obtained Bachelor of Science degree in Biotechnology from Ranchi University, Ranchi; M.Sc.(Biotechnology) from Punjabi University Patiala; and doctoral degree. from Birla Institute of Technology, Mesra, Ranchi. For the doctoral degree programme Dr. Dhananjay worked on “Study of WRKY transcription factor and analysis of miRNAs for the analysis of defense response in wheat during leaf rust infection”. Dr. Kumar has qualified CSIR-UGC-NET-JRF and GATE and is credited with a number of research papers published in peer reviewed National & International journals of repute.

Dr. Kumar has also made several presentation including both posters and oral presentations at National and International conferences. Dr. Kumar has received wide acclaims and distinction for having submitted Sequences to GenBank (National Center for Biotechnology Information) of Transcription factor, microRNA libraries under Short Read Archive and partial sequences of 16S ribosomal RNA genes. Dr. Kumar possesses 11 years of research and 9 years of teaching experience, has guided more than 20 students for M.Tech, M.Sc. and B. Tech for their projects and dissertation works. The areas of specialization of Dr. Kumar has been Molecular Biology, Transcriptomics, Functional Genomics, Proteomics, Plant Tissue culture, NGS, microRNA, Plant-pathogen interaction and microbial ecology etc.

**Dr. Alok Kumar**

Dr. Alok Kumar is an Assistant Professor in the Faculty of Science & Engineering at Jharkhand Rai University. He



earned his Graduation in Agriculture from University of Agriculture Sciences, Bangalore, Karnataka (UAS, Bangalore). He has earned his Master’s and Doctoral degrees in Agricultural Extension from Department of Agricultural Extension, Sam Higginbottom University of Agriculture Technology and Sciences [SHUATS], Allahabad (Formerly Allahabad Agricultural Institute), Uttar Pradesh. He has published various research papers in National and International Journals. He has also attended various national seminars, Workshop and Training Programs respectively. He has 2 year experience in teaching and he was deputed as Exam Observer (2019) by Sri Dev Suman Uttarakhand University (State Government University).

**Dr. Hemlata Kumari**

Hemlata Kumari is an Assistant Professor in the Faculty of Science & Engineering at Jharkhand Rai University.



She earned her Graduation in Agriculture from Acharya N. G. Ranga Agricultural University (ANGRAU), Hyderabad (AP). She has earned her M.Sc. and pursuing Ph.D. from Department of Plant Breeding and Genetics, Bihar Agricultural University, Sabour (Bhagalpur). She has received merit fellowship throughout her graduation, post graduation period and Ph.D. The topic of her M.Sc. and doctoral dissertation was “Genetic studies in Baby Corn and Study of Combining Ability and Yield Stability Analysis of Quality Protein Maize”. She has qualified ICAR-NET in the year 2015 and also in 2018. She has published various research papers in National and International Journals. She has attended various national seminars, Workshop and Training Programs respectively.

**Dr. Neeraj**

Neeraj is working as Assistant Professor in Agriculture Department. She awarded M.Sc. (Food Technology)



degree during 2011 from GJU Sci. & Tech. Hisar, Haryana and Ph.D. (Food Science and Technology) in 2017 from CCS Haryana Agricultural University, Hisar, and Haryana. She was recipient of University Gold Medal in M.Sc. Dr Neeraj qualified ICAR-SRF (PGS), ASRB (ICAR) NET and UGC NET exam. She was awarded with Best Doctoral Thesis Award, Best Research Scholar Award and Best Poster Presentation by different societies. She has 2 year experience in teaching and research. She is a life member of Association of Food Scientists and Technologists (AFSTI, India). She has published various research papers, hindi and English articles in different national and international journals and magazines.

**Ummay Hafsa**

Ummay Hafsa is working as Assistant Professor in Agriculture Department. She has completed her B.Sc. (Hons) Agriculture and M.Sc(Ag) degree programme in Genetics and Plant Breeding from Bihar Agricultural University, Sabour, Bhagalpur, Bihar during the year, 2016 and 2018, respectively. She was a recipient of National Talent Scholarship during her Bachelor's degree programme. Ms. Hafsa worked on the topic 'Characterization of F2 segregants for submergence tolerance in rice.' for her Masters' thesis research. She received State Government research fellowship for PG research work. Ms. Hafsa is a National Level Debater and has brought laurels. She has attended a number of national conferences and has presented research and review papers.

**Sushma Priya**

Sushma Priya is a Faculty Associate in the Faculty of Science and Engineering at Jharkhand Rai University. She earned her Graduation in Agriculture from Birsa Agricultural University, Ranchi. She's Masters in Agricultural Economics from Banaras Hindu University (B.H.U), Varanasi, U.P. Her specialization in Master's was "To study the trend in production and export of mango from India". She has attended the National Conference on Agricultural Marketing.

**Shaili kumari**

Mrs Shaili kumari is Assistant Professor in the Department of Agriculture. Mrs Shaili Kumari obtained Bachelor of Science degree in Horticulture from Dr Y.S.R Horticulture University Hyderabad. M.Sc.(Horticulture fruit science) from Indian Agricultural Research Institute New Delhi and doctoral degree from Indian Agricultural Research Institute New Delhi. For the doctoral degree programme Shaili kumari worked on "Genetic Diversity studies and characterization in pomegranate". Mrs Shaili Kumari qualified National Eligibility Test (NET) conducted by ASRB (ICAR), New Delhi- recognized by UGC/CSIR the discipline of Fruit science in 2015 with a number of research papers published in peer reviewed National & International journals of repute. Mrs Shaili Kumari also made several presentation including both posters and oral presentations at National and International conferences. She secured Junior Research Fellowship (ICAR-JRF) with All Indian Rank- 5th, for- pursuing Master in Horticulture by Indian Council of Agricultural Research, Government of India. She awarded with Senior Research Fellowship (ICAR-SRF) with All India Rank- 11, for pursuing Doctor of Philosophy in Horticulture by Indian Council of Agricultural Research. She Selected for UGC -Rajiv Gandhi National Fellowship for OBC for pursuing Ph.D. She awarded for best poster Award in National conference of breeding of tropical and subtropical fruit crops for which entitled "Diversity analysis of guava genotype and Psidium species using morphological parameters and SSR markers and 7th Indian horticulture congress which entitled "Correlation between phenotypic and genotypic distances among cultivars, variants and species of guava (Psidium sp).

## **DEPARTMENT OF CIVIL ENGINEERING**

**Prof. Nand Kishore Roy**

Nand Kishore Roy is the Head of the Dept. of Civil Engineering at Jharkhand Rai University. Prof. Roy earned his B.Sc Engg (Civil) from B.I.T, Mesra, Ranchi in the year 1969 and Master degree in WRD from University of Rookee (Presently IIT, Roorkee) in the year 1976-78. After getting commissioned he has worked in GOB & GOJ in WRD in different capacities for almost about 38 years and finally retired from the post of Engg-in-chief, WRD, GOJ in the year 2008. He was again engaged in WRD, GOJ as consultant cum advisor. On attaining the age of 65 years he was relieved from his duty in the month of June,2013 and was appointed as Prof. and Head of Civil Engineering Dept. CIT, Tatisilway in the month of July, 2013 and continued till January, 2016. Prof. Roy is member of many professional

Institutions like BESA, JESA, WRDTC, IIT Rookee, BITOSA Ranchi, IWRS, Rookee, IRC (India), Fellow Institution of Engineers (India). He has attended many National Seminars and presented many technical papers in them and various National & International Journals. He was awarded 'Vikas Ratna Award' in the year 1999 by IF society, New Delhi; 'Abhiyanta Bibhuti' by C.M Jharkhand, Eminent Engineer Certificate IE(I), JSC.

#### **Prof. Brahamchari Rajendra Prasad Singh**



Brahamchari Rajendra Prasad Singh is a Professor for the Faculty of Science and Engineering (Civil Dept.) 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 at Asst. Engineer with Gandake Area Dev. Agency, Muzaffarpur (Bihar Govt.) ; Ganga Pump Canal Munger; as a Chief Engineer in Ranchi; Triveni Canal Raxaul; Ranchi Municipal Corporation; Minor Irrigation Dept of Garhwa, Giridih and Gumla

#### **B.K. Mahto**



B.K. Mahto is an Assistant Professor in the Faculty of Science and Engineering at Jharkhand Rai University. Mr. B.K. Mahto earned his B.tech in Civil Engineering from Ranchi University and M.E from B.I.T Mesra, Ranchi with specialization in Soil mechanics and Foundation Engineering and Project on "Comparative Study of Soil stabilization using Cement and RBl grade 81" . He has also worked as a lecturer in VMIT, Tupudana, Ranchi and C.I.T Ranchi.

#### **Rajeev Nayan**



Rajeev Nayan is an Assistant Professor in the Faculty of Science and Engineering at Jharkhand Rai University. Mr. Rajeev Nayan earned his B.Tech. in Civil Engineering from Nagpur University and M.Tech. from B.I.T Sindri (Vinoba Bhave University, Hazaribagh) with specialization in Structural Engineering and Project on "Comparative Study of Different types of Fibres over conventional concrete".

#### **Uttam Yadav**



Uttam Yadav is an Assistant Professor in the faculty of Science and Engineering at Jharkhad Rai University. Mr. Uttam Yadav earned his B.tech in Civil Engineering from Dr. B.C. Roy Engineering college Durgapur, W.B and M.tech from National Insitute of Technology Patna with specialization in Geotechnical Engineering. He has worked on project "Reliabiliy Analysis of Slope by using Adaptive Neuro Fuzzy Inference Sytem (ANFIS), Gaussian Process Regression(GPR) and Genetic programming (G.P). He has attained many conference and publised paper in international journal. Apart from this he has proficiency in Web Technology, Computer Language, etc. And also provides consultation to the student regarding their course objectives and career related matters.

## DEPARTMENT OF MECHANICAL ENGINEERING

### Prof. S. P. Mishra



S P Mishra is a Professor in the Department of Mechanical Engineering at Jharkhand Rai University. He has earned his B.Sc (Engg.) from NIT, Patna, and M.Tech from BHU & Pursuing Ph.D. from Jharkhand Rai University. He has 36 years of experience of Engineering Consultancy and 6 years of teaching experience. He has published at least 20 numbers of papers in National, International and in-house journals. He has credit of commissioning of 15 mega projects of steel plant & petroleum industry.

### Prof. Ajit Kumar Sinha



Ajit Kumar Sinha, B. Tech. in "Production Engg." & MBA in "Marketing Management" from BIT, Mesra, LL. B. from Ranchi University and presently pursuing Ph.D. in "Management" from Jharkhand Rai University, Kamre, Ratu Road, Ranchi, has acquired about 38 years of professional experience in various companies (including about 33 years of experience in MECON Ltd., Ranchi, a PSU under the Ministry of Steel). The core area of activities spanning his career in Industries has been Project & Contracts Management. He has attended many Seminars/Symposia and published many papers in National Journals on various topics. During his tenure in MECON Ltd., he has handled many Mega/ high values Projects in Steel industry as well as other Industries. After his superannuation from MECON Ltd. on 31 December, 2015, he has associated himself in academic and worked as Guest/Visiting Faculty for various Technical Institutes in Ranchi. He is currently associated as Assistant Professor in Department of Mechanical Engineering at Jharkhand Rai University.

### 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, Mr. Satyam started his career in academics with BM Groups of Institutions, Gurugram, in the department of Mechanical Engineering, 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 of Material", "Machine Design", "Production Technology", & "Tribology" etc. He has six years of Teaching Experience. He has participated in NPTEL courses such as Wastewater Treatment and Recycling, Processing of Polymers and Polymers Composites, Geosynthetics Laboratory and Project Planning and Development. Presently he is working with Jharkhand Rai University as a Assistant Professor.

### Tej Pratap Chopra



Tej Pratap Chopra, B. Sc. Engg. (Production), MBA (Marketing), is a Gold Medalist, in Engineering from BIT, Mesra, Ranchi. He is also the Topper of the Batch in MBA (Marketing) from BIT Mesra. He started his career as Management Trainee in SRIRAM BEARINGS LIMITED, Ratu, Ranchi and during his working period with the company he was responsible for setting up a new expansion project "SRIRAM NEEDLE BEARINGS," plant at Ratu, Ranchi, as a member of the core group set up for the purpose. The needle bearing project was set up in collaboration with INA, Germany. During his working experience of 5 ½ years at SRIRAM BEARINGS and SRIRAM NEEDLE BEARINGS, Ratu, he was incharge of Production Planning and Control, Assembly, Needle Section, Packing of finished goods and Transfer to Stores. In addition to the above he has a vast experience of around 32 years in MECON Ltd., a Public Sector Undertaking, under Ministry of Steel. During his career in MECON, he has worked as an expert in the area of design, engineering and consultancy services and also as EPC supplier for Machine Shops, Fabrication Shops and Repair & Maintenance Shops for Integrated Steel Plants

of SAIL and other Private Sectors. He has worked as Project Manager for EPC project for “Modification and Up gradation of Group Gathering Stations” at ONGC Gujarat. He also had the opportunity of working as Technical Manager to four numbers of Chairman and Managing Directors of MECON (for almost seven years). He has also a vast experience in Commercial Division at MECON as General Manager responsible for Marketing, Contracts, Claims, Central Vendor Development Cell, Reprography and Technical Information Centre. He was also General Manager responsible for Town Administration and Community Development at MECON. He is currently associated as Assistant Professor in Department of Mechanical Engineering at Jharkhand Rai University.

### **Vinod Kumar Sinha**



Vinod Kumar Sinha, is working as Assistant Professor at Jharkhand Rai University, Kamre in the Department of Science and Engineering. He worked in various industries like ITC Ltd. Kolkata, Tata Robins Fraser, Jamshedpur, Mecon Ltd, Ranchi, Electrosteel Ltd, Bokaro. During the carrier he did MBA and Law from XISS, Ranchi and Ranchi University, Ranchi. He has experience of thirty years in Industry.

### **Supriti Jana**



Supriti Jana is an Assistant Professor at the Department of Mechanical Engineering. She obtained BSc in chemistry (honours) from Midnapore College, Vidyasagar University and secured First Class First rank in the University and also received University Gold Medal in 2010. She has done her MSc from IIT Kharagpur in 2012 where she worked (1year project) with Prof. Dipakranjan Mal and developed an elegant approach towards Prenylated Carbazoles. She qualified NET JRF with ALL INDIA RANK 67 in December, 2012. She obtained Ph.D. in Synthetic Organic Chemistry from IIT Kharagpur in 2018 with Prof. Dipakranjan Mal and Prof. Samik Nanda. Most of her doctoral thesis work was

based on [4+2] Anionic Annulations for the synthesis of Vitamin K, total Synthesis of Lignans. During her doctoral research, she has published five renowned international Journals like The Journal of Organic chemistry, Organic Letters, Synthesis etc. indexed in SCOPUS and SCI. She received best poster award at “ICOS 21” an international conference held at IIT Bombay in 2016. She is a recipient of SERB National Post-Doctoral fellowship (result announced on 1st February, 2019). Her research interests include C-H activation, stereoselective synthesis and heterocyclic chemistry and total synthesis of natural products.

## **DEPARTMENT OF MINING ENGINEERING**

### **Prof. (Dr.) Suresh Prasad Singh**



Suresh Prasad Singh is a Professor in the Faculty of Science & Engineering with Jharkhand Rai University. He obtained his M.Sc. degree in Geology from Patna University, Patna and Ph.D from Ranchi University, Ranchi. The topic of his Ph.D Thesis was “Petrochemistry of Granites and the associated rocks of the region north of Latehar Dist., Palamu, Bihar”. He has contributed many research papers in national and international journals. He has supervised many research scholars leading to Ph.D. His main area of interest is Geology, Geochemistry, Environment etc. Dr. Singh has edited three books viz. 1. Natural Resource Planning and Management 2. Setting up industry: it's Planning & Management and 3. Sustainable Development & Climate Change. Dr. Singh has held

many important positions like the Vice Chancellor, VKS University Ara, Bihar (undivided); Dean – Faculty of Science and Head of Geology Department, Ranchi University, Ranchi; Member – Bihar State University Service Commission, Patna; Member – Bihar State Intermediate Education Council, Patna; Advisor & Prof. of Geology of Civil Engineering at Cambridge Institute of Technology (CIT), Ranchi; Director General, Institute of Science and Management, Pundag, Ranchi; etc. Dr. Singh has visited many countries e.g. Japan, Hungary, Slovak Republic, Czech Republic, Austria, Thailand, Singapore, Indonesia, USA, U.K, Hongkong, UAE, China, Nepal, to present research papers. He has chaired a technical session in an international conference (ICESE 2009) at Bangkok organised by the World Academy of Sciences.

**Prof. Avijit Ghosh**

Avijit Ghosh is the Professor in the Department of Mining Engineering. He completed his Bachelor of Technology in Mining Engineering from Indian School of Mines, Dhanbad in 1980 and also obtained First Class Manager's Certificate of competency restricted to open cast metalliferous mine from DGMS Dhanbad. He has retired from the post of Chairman cum Managing Director, HEC Ranchi. Mr. Ghosh has 37 years of professional experience in many organizations including Hindustan Copper Limited, Jindal Steel and Power Ltd., Indian Aluminum Company, Raymond Cement Works etc. Mr. Ghosh has been awarded Dr. J. Coggin Brown Memorial Gold Medal by Mining Geological & Metallurgical Institute of India (MGMI) for his outstanding contribution in the field of Mining.

**Prof. Dharendra Prasad Pandey**

Dharendra Prasad Pandey is a Professor in the Faculty of Science and Engineering (Mining Dept.) 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 Maharatna CPSU) since July 1974. He was the Chief General Manager (Mining) in the Project Appraisal Division of CMPDI (HQ), Ranchi.

**Sumeet Kishore**

Sumeet Kishore is an Assistant Professor in the Faculty of Science and Engineering with Jharkhand Rai University. Mr. Kishore earned his Bachelor Degree in Mining Engineering from B.I.T. Sindri, Dhanbad. He has worked on the topic "Designing and Optimization of pillar sizes in Underground Coal Mines" for 6 month. Mr. Kishore has also worked for 1 year in Hindalco Industries Limited as a Mining Engineer. He has visited and analyzed the working culture of various mines such as HCL Ghatsila, Bararee Colliery BCCL, SAIL Chasnala, Bagru Mines, Hindalco, etc. and also achieved various competency certificates from DGMS Dhanbad. Apart from this he has proficiency in Web Technology, Computer Languages, etc. and also provides consultation to the student regarding their course

objectives and career related matters.

**Dr. Neha Keshri**

Neha Keshri is working as Assistant Professor in the Department of Applied Science, Jharkhand Rai University, Ranchi. She has done Master's in Mathematics from the Post Graduate Department of Mathematics, Ranchi University. She has earned Ph. D. in Mathematics from Birla Institute of Technology (BIT), Mesra, Ranchi. She has been awarded 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.

**Ved Prakash Singh**

Ved Prakash Singh is working as the Deputy Registrar (Exams) at Jharkhand Rai University & is also associated with the Deptt. of Applied Science. He is associated with Jharkhand Rai University since September 2014. He has earned his M.Sc. degree from J.P. University, Chapra and currently pursuing Ph.D. He has more than eight years of experience in teaching & academic administration (in the role of Academic In charge, Examination Controller) in various reputed engineering colleges. He is proud to work for the state-sponsored project entitled "Floride containment water in different district in Jharkhand", sponsored by the Govt. of Jharkhand. 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. To his credit, he has published two research papers in highly-indexed international journals named American Journal of Optics and Photonics (Vol-3, No.5 2015) and International Journal of Innovations in Engineering & Technology (vol.6).

### **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. He is a GATE qualified educational Professional having more than 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 Prizes in "Rajasthan Genius Award Competition-1995 & 1997". He is 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 Jhajjhar Plant, Haryana. Presently he is working as an Assistant Professor in Faculty of Science & Engineering at Jharkhand Rai University, Ranchi.

### **Sanjeev Thakur**



Sanjeev Thakur is an assistant professor in the faculty of Department of Mining Engineering at Jharkhand Rai University. Mr. Sanjeev has earned his bachelor in technology degree from birsa Institute Of Technology, sindri in discipline of Mining Engineering. The topic of his b.tech project is "Analysis of movement of strata with the help of monitoring device". He is squad leader of his troop in National Cadet Corps and earn "A" grade, also he is student coordinators in "Training And Placement" cell in his college. He also publish his article in "C.S.I.R(C.I.M.F.R)" on the topic of "Use of monitoring device to analyse strata behavior in underground mines". And he is ongoing continuously in his field with experience, knowledge and terminologies.

## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

### **Prof. Ajay Kumar Singh**



Ajay Kumar Singh is an Assistant Prof. in the Department of Electrical Engineering at Jharkhand Rai University. He has earned his B.E in Electrical Engineering from B.I.T Sindri, Jharkhand in 1977. Ajay Kumar Singh has earned his M.B.A from Birla Institute of Technology Mesra, Ranchi in 1981. His areas of interest include Power System & Electrical Machine. He has currently working on Electric Power system.

He has presented several papers and has also attended national level Seminars and Conferences. Ajay Kumar Singh has worked as a Senior Deputy General Manger in Heavy Engineering Corporation, Ranchi for 36 Years. He has more than six years of teaching experience. of teaching experience. Ajay Kumar Singh has Conducted various Training workshop on Transmission, Distribution & Process making of Steel industry.

**Dr. Shraddha Prasad**

Shraddha Prasad is working as Associate Professor in the Department of Electrical Engineering. She is also the Academic Coordinator for Science and Engineering. She has done Ph.D from Birla Institute of Technology, Mesra, Ranchi on the topic – “Investigation of Optical Beam Propagation in Nonlinear Media: Spatial Soliton Formation and Their Interaction for All Optical Devices”. M.Sc. in Physics from Ranchi University, Ranchi, B.Ed. from St. Xavier’s College, Ranchi. She has attended 89th Orientation Programme with Grade-A, organized by UGC-Human Resource Development Centre Ranchi University, Ranchi. She has a number of publications in journals of very high international repute e.g. Elsevier, Scopus, WoS etc. She has also attended and presented number of research papers in different International Conference / Seminars within India. She is an Associate Member of “The Institution of Engineers”. Dr. Shraddha Prasad has more than 11 years teaching experience in educational sector including 3 years research experience as a Project Fellow in U.G.C Project in Birla Institute of Technology, Mesra, Ranchi. Her areas of research are Nonlinear Optics, Solitons, All-optical Devices, Communication and material science.

**Sumit Kumar Pandey**

He has associated in the Faculty of Science & Engineering at 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, and 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. He is currently on study leave. His major areas of Interest include Nonlinear Control Systems, Neural Networks & Fuzzy Logic.

**Rajeev Kumar**

Rajeev Kumar is a Lecturer in the Department of Electrical Engineering at Jharkhand Rai University. He has earned his M.Tech. in Electronics and Telecommunication with specialization in Instrumentation and Control from Bhilai Institute of Technology, Durg of Chhattisgarh Swami Vivekananda Technical University, Bhilai . Rajeev Kumar has earned his B.Tech. in Instrumentation and Control from SRM University Chennai. His areas of interest include Control Systems, Process Control, and Automation. His Masters project was entitled “Dissipativity Criteria of Digital Filters with Saturation Non Linearity”. He has presented several papers and has also attended national level Seminars and Conferences. He is currently working on a paper related to Dissipativity in Mediterranean Journal of Measurement and Control. Rajeev Kumar has worked as an Assistant professor in the Department of Mathematics for two years at Loyola College Kunkuri Chhattisgarh. He has also Industrial experience of two years as Project Engineer in IOTEP-APML, 5×660 MW, Thermal Power Plant, Tiroda, Maharashtra. He also worked as a customer Support Engineer in Vi Microsystems Pvt. Ltd. Chennai for one year.

**Raghuwansh Singh**

Raghuwansh Singh is an Assistant Prof. in the Department of Electrical Engineering at Jharkhand Rai University. He has earned his M.E in Electrical Engineering with specialization in Control System from Birla Institute of Technology, Mesra, Ranchi . Raghuwansh Singh has earned his B.Tech. In Electronics & Instrumentation from MGR Deemed University Chennai. His areas of interest include Nonlinear Control Systems, Process Control, and Automation in PLC & SCADA. His Masters project was entitled “Stability & Control of Nonlinear Magnetic Levitation system by using Feedback Linearization”. He has presented several papers and has also attended national level Seminars and Conferences. He is currently working on a paper related to Particle Sliding Mode Control on Magnetic Levitation system for stability criteria in Mediterranean Journal of Nonlinear Control.

Raghuwansh Singh has worked as an Assistant professor in the Department of Electrical Engineering for Four years at Gyan Ganga Institute of Technology & Sciences, Jabalpur. He has also worked in A.I.M.T Lucknow as a Lecturer for two years. Raghuwansh Singh has got two times best Faculty award by the

R.G.PV University, Bhopal. He has Conducted various workshop for Electrical Engineering students on PCB Designing, Multisim Software, Tina-Pro, PLC, SCADA, Electrical & Electronics Engineering Material.

#### **Gaurav Kumar verma**



Gaurav Kumar verma is a Lecturer in the Department of Electrical Engineering at Jharkhand Rai University. He has earned his B.Tech. in Electrical and Electronics from Gandhi Institute For Technology, Bhubneswar of Biju Patnaik University, Rourkela, Odisha. Gaurav Kumar Verma has keen interest towards research activities which has pulled him towards academic field . His areas of interest include -Integration of AI in robotics, Mechatronics and renewable energy advancement. Apart from academics field he holds a rich exposure to project field which includes his role as an Electrical Incharge in Jharsuguda Airport. This provides hands on experience to practical situations incorporated in his lectures. He puts on table a great deal of dedication, energy and hard work. As he works ,he continue to put his zeal for knowledge ahead which helps him to get to his work in more and more interesting ways.

### **DEPARTMENT OF MANAGEMENT**

#### **Prof. (Dr.) Shahid Akhter**



Shahid Akhter is presently working as a Professor in the Deptt. of Management at Jharkhand Rai University. He has been awarded Ph.D in Management by Ranchi University. He has also served as HoD Deptt. of Marketing, Institute of Management Studies, Ranchi University. He is also Court Member of Aligarh Muslim University. He has also served as Chairman Jharkhand State Minorities Commission. Published more than ten Research Articles in different refereed International Journals, along with one book in advertising. He have attended more than five International Seminars and ten National Seminars.

#### **Dr. Roshan Kumar**



Dr. Roshan Kumar is presently working as a Associate Professor in the Faculty of Commerce & Management at Jharkhand Rai University Ranchi. With more than 11 years of academic experience. He has been awarded Ph.D from IK Gujral Punjab Technical University, Jalandhar, Punjab. He has done Post Graduate Diploma in Business Administration from Graduate School of Business Administration, Greater Noida and M.com from Khalsa College, Guru Nanak Dev University, Amritsar, Punjab. He is UGC-NET qualified in management. His area of interest is Accounting, finance and Marketing. Roshan Kumar has also presented 5 papers in National and international conferences. He has also published 13 Papers in reviewed refereed international and national Journals.

#### **Dr. Abhishek Pratap**



Abhishek Pratap is designated as Assistant Professor and placed in the Faculty of Commerce & Management, at Jharkhand Rai University. He has more than 12 years of experience, out of which he has six years of academic experience. He has worked in various reputed organization 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. He is UGC-NET qualified in Management and has been awarded Doctorate Degree by B.R Ambedkar, Bihar University, Muzaffarpur (Dept. Of Management) in 2015 on the topic "A study of Agriculture marketing in Bihar".

He 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.

**Dr. Ashfaque Alam**

Dr. Ashfaque Alam is presently working as Associate Professor in Department of Management and Head Projects of Jharkhand Rai University, Ranchi. He has pioneered the Ph. D program of the University as Coordinator of the programme to improve research environment of the University. He has unique blend of experience in marketing and academic. He served four years in different capacities in the Sales and Distribution Industry in automobile and financial sectors and has taught Management subjects for eight years as a faculty member at S N Sinha Institute of Business Management, Ranchi University, Ranchi and at Jharkhand Rai University, Ranchi. He has been awarded Doctorate Degree by Ranchi University, Ranchi (Deptt. of Commerce & Business Management) in 2012 on the topic "Indian Labor Policy During Planned Economic Development -A Critical Study". He qualified UGC NET Exam in June 2013. Dr. Ashfaque Alam has presented twelve (12) papers in International/National conferences/seminars. He has published twelve (12) Research Papers in peer reviewed refereed International/National Journals. As a research guide he has produced four (4) Ph.Ds under his supervision and presently supervising six (6) Ph.D Research Scholars at Jharkhand Rai University, Ranchi. He has also Authored a book named "INDUSTRIAL LABOUR POLICY & ECONOMIC DEVELOPMENT OF INDIA" He is member of many professional bodied. 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.).

**Dr. Khaleda Rehman**

Khaleda Rehman is an Assistant Professor in the Faculty of Management at Jharkhand Rai University. She has accomplished her Doctoral Programme on the topic "APPRAISAL OF INDIAN LABOUR LAWS AND ITS IMPACT ON INDUSTRIAL GROWTH DURING GLOBALIZATION". She is having more than four years of academic experience along with years of corporate experience. She has worked as Faculty of Commerce in St. Xavier's College and Asean Institute of Risk Management. She has more than twelve publication to her credit and has taken part in National and International conferences, workshops, seminars and Faculty development programs. Apart from academics she also has the expertise in legal field from her practicing experience as advocate in Delhi High Court and Supreme Court. She was associated with banks and corporate and had done advocated in various civil, financial and commercial disputes in court of law. She is seasoned professional and academician.

**Dr. Shabbir Hussain**

Shabbir Hussain is presently working as Assistant Professor in Faculty of Commerce and Management at Jharkhand Rai University, Ranchi. He has been awarded Ph.D degree in 'Solid Waste Management' from Ranchi University, Ranchi and has completed MBA from BIT Mesra Ranchi. He has more than 18 years of experience in teaching as well as corporate sector. He has presented papers and published articles in national as well as international journals. He is also a Life Member of various association. He has won many accolades both national and international for his outstanding contribution in diverse field.

**Dr. Amrita Majumdar**

Dr. Amrita Majumdar is currently working as an Assistant Registrar and Assistant Professor in the Faculty of Commerce & Management at Jharkhand Rai University, Ranchi. During her tenure in Jharkhand Rai University she is actively involved with the responsibilities of Registrar's office and other academic, administrative & HR responsibilities. She has more than 11 years of experience in corporate as well as teaching and academic administration in various Institutions and Universities in the domain of Business Administration. She is also involved in writing research papers, book chapters, training students & faculty members in the area of human resource management and teaching pedagogy. She is an active member of different professional bodies like International

Association of Academicians and Researchers (INAAR), National Academy of Psychology (NAOP), Indian Academic Researchers Association (IARA) etc.

She is also the member of the editorial board & reviewer of various International & National Journals of repute. Her area of research is in the area of Psychological Contract in Academics. Her area of interest lies in Human Resource Management, Organisation Behaviour, Online Teaching-Learning Pedagogy etc. She has bagged many awards like: "Best Researcher Award-2019" by Indian Academic Researchers' Association, West Bengal Wing (A Unit of SELP Trust), "Best paper Award" in the International Conference on 'Society and Business in the New Millennium organized by ICFAI Business School, Kolkata, "ILDC-AMP Women Excellence Awards 2020" towards "Contribution in Management Teaching & Administration".

#### **Dr. Anusha Priya**



Anusha Priya is working as an Assistant Professor in the Faculty of Commerce & Management at Jharkhand Rai University. She is NET qualified & has done her PhD in the area of "Environmental Management & Sustainable development". She is also the Research Coordinator of the University. She has a work experience of about 8 years including research experience of 5 years. She has earned her Master's in Management from ISM, Ranchi. She has published & presented several research papers in various international journals and conferences. She has conducted classes in the Refresher Course of UGC-Academic Staff College, Ranchi in the field of Management. She has also done a Refresher course organized by the HRDC, Ranchi University.

#### **Sabyasachi Chakraborty**



Sabyasachi Chakraborty is working as an Assistant Professor in the Faculty of Commerce & Management at Jharkhand Rai University and is also the Controller of Examination of the University. He is UGC-NET qualified in Management. He is also heading Students Welfare Department of the University. He has earned his Master's in Management from Mumbai University with specialization in Marketing. He has total work experience of more than twelve (12) years. Out of which 7 years in BFSI sector including ICICI Prudential & Max New York & 5+ years in Academics.

#### **Rashmi**



Rashmi is presently pursuing Ph.D in Management. She has done Post Graduation in Management from Delhi and M.A in English from Patna University, Patna. Adept with 12+ years of teaching experience, she has an expertise in teaching Management Papers at MBA and BBA levels at various colleges of Ranchi University and also at Study Centre of Sikkim Manipal University and IGNOU. She has been teaching core papers of Marketing and HR in Vocational Department[BBA] at Doranda College, a constituent unit of Ranchi University, Ranchi. She also has an experience of teaching Management papers at one of the most reputed, prestigious St. Xavier's College, Ranchi an autonomous college of Ranchi University. Apart from Management papers she has been teaching English subject in Intermediate Section Arts, Science, Commerce of Jharkhand Academic Council at Doranda College Ranchi. She has been taking Communication/ Soft Skills and Personality Development classes for students of MBA, BBA, MCA, BCA at Dr. Zakir Hussain Institute study centre of Sikkim Manipal University and NIIT centre. She has presented {6} papers in International/National Seminar/Conferences and also published research paper. She has attended/participated in Workshops/Faculty Development Program in various reputed Institute/University. She is also the Life time member of 'Association for Research in Social Sciences, Commerce and Management'{ARISCOM}. Prior to teaching, she has an experience of working in Corporate sectors like Inox Global Services Limited Gurugram, Satyam Infoways Limited, New Delhi in managerial capacity. Presently she is working at Jharkhand Rai University in the Faculty of Commerce & Management.

## DEPARTMENT OF COMPUTER SCIENCE AND IT

### Dr. Anita Singh



Anita Singh is an Associate Professor in the Faculty of Computer Science & IT at Jharkhand Rai University. She has completed her Ph.D & the topic for her Doctoral dissertation was “Struggling women-writings in Nigeria with special reference to the novels of Buchi Emecheta”. She has more than ten years of teaching experience in the English language and communication at BITEC Lalpur and R.W.C. Ranchi. Dr. Singh has attended couple of seminars as well as published research papers in various journals.

### Dr. Ashish Kumar



Ashish Kumar Sinha is an Associate Professor in the faculty of CS & IT at Jharkhand Rai University. Dr. Ashish completed MCA from Gaya College, Gaya (Bihar) and Ph.D from Magadh University, BodhGaya (Bihar). The topic of his doctoral dissertation was “Role of Information Technology in Banking Sector”. He has also authored various research papers that have published in national journals. Dr. Ashish has 10 years of teaching experience in different colleges of Magadh University, BodhGaya. His areas of interest are – Java programming, Python and Database.

### Dr. Sanjay Pandey



Dr. Sanjay Pandey is working as Associate Professor in the Department of Computer Science & IT at Jharkhand Rai University, Ranchi. He received his Master Degree in Computer Science from Punjab Technical University and his Ph.D. from Sainath University. He was a Research Staff Member at the PTU center(till June 2019) . Earlier he worked as Asst. Professor in the CS department at MCRPV, Bhopal (2002-2006) and Asst. Professor in PTU(2006-2019 June) before joining the JRU in August . His research interest is in areas related to programming languages. His Research topic is “A study in Contrast Enhancement Using Histogram Equalisation and Matching” .He is having more than 20years of experience in Teaching and mentoring students. He played a very keen

role in overall growth of his students in Technical aspects as well as Grooming of his students. He is actively associated in the field of preparing students for Interview and other competitive skills.

### Dr. Priyanka Srivastava



Dr. Priyanka Srivastava is presently working as an Assistant Professor in the Faculty of Computer Science & IT. She completed her Ph.D. from BIT, Mesra in the area of Digital Image Processing. The topic of her doctoral dissertation is “Investigation of NEAR System in terms of Image Resemblance”. She did her Master in Information Technology from Birla Institute of Technology, Mesra. Apart from teaching she is presently associated with Examination Department as ‘Assistant Registrar (Examinations)’ and also handling the work of SWAYAM as ‘University SWAYAM Coordinator. She is also associated with “Spoken Tutorial Project” by IIT Bombay. She is having teaching experience in reputed organizations like Birla Institute of Technology (Lalpur), Metas Adventist College, Usha

Martin Academy, Dr. Zakir Husain Institute. She has great interest in Research and Publications with few publications in reputed Journals indexed with SCI, SCOPUS , International Conference Proceedings and and many more. She has been awarded with “BEST PAPER AWARD” twice while presenting her research article.

**Anuradha Sharma**

Anuradha Sharma presently working as a Faculty Assistant in Jharkhand Rai University. She holds a Master degree in Information Technology from BIT Mesra and a B.Tech degree from B.P.U.T (Biju Pathnayak University of Technology). Her topic for research while M.Tech was “Prediction of Iron ore using Soft Computing Technique” which involved Artificial Neural Network using Back propagation method. Her interest include RDBMS, C, C++. She is an avid reader and holds interest in current affairs topic.

**Rajan Kumar Tiwari**

Rajan Kumar Tiwari is an Assistant Professor in the Faculty of Computer Science & IT at Jharkhand Rai University. Tiwari earned his Masters in Computer Application from Indira Gandhi National Open University, New Delhi. He is associated with Jharkhand Rai University since August 2016. He has a rich experience of 15 years in teaching profession in the area of CS & IT. During this time span, he served different teaching institutions. In his current profile, he is also associated with the University Examination Department and the bi-annual newsletter of the University in the role of Editor. In addition to teaching-learning, he has a keen interest in co-curricular activities for the all-round development of the students. Prof. Tiwari was also associated with print media as a sub-editor in a reputed hindi daily for eight years.

**Kumar Amrendra**

Kumar Amrendra is presently working as an Assistant Professor in the Faculty of Computer Science & Information Technology at Jharkhand Rai University. He is currently pursuing Ph.D from Jharkhand Rai University. His major area of research is computer Networking and Issues in Ad-hoc Networks. He holds a Master Degree in Computer Application (MCA) from Birla Institute of Technology, Mesra, Ranchi. He has done his Bachelor in Computer Application (BCA) from St. Xavier’s College, Ranchi. He has done his project on Student Service System, BIT Mesra, Ranchi. He was also awarded with G.P. Birla Scholarship for academic excellence during his masters. Prof. Amrendra has more than 2 years of teaching experience in different educational sector. His area of interest includes Computer Networking, Database Management System, Computer Graphics, C, C++, and Data Mining. Prof. Amrendra is the Convener of Institution Innovation Council (IIC) – Entrepreneurship Development Cell of the University. Apart from teaching he has a keen interest in Sports Activities and he is also associated with the Sports Club of JRU.

**Wakil Kumar**

Wakil Kumar is presently working as Assistant Professor in the faculty of Computer Science & IT. He earned his M.Sc.in Mathematics from Science College; Patna University and M.Phil in mathematics from Ranchi University. Special Paper in M.Sc. was Operation Research and special paper in M.Phil is Generalized Integral Transform. His teaching experience is more than five years in different Engineering College including R.G.I.T Koderma, G.G.S.E.S.T.C Bokaro. His area of interest is Laplace Transform, Fourier, Z-Transform, Differential Equation and Complex Analysis. He attended Short term Training Programme on “Effective Teaching” sponsored by TEQIP-II, MHRD & conducted by CET, IIT Kharagpur.

**Prakash Anand**

Prakash Anand is a Lecturer in the faculty of Computer Science & IT department at Jharkhand Rai University. Prakash Anand earned his Bachelor of engineering from R.P. Sharma Institute of Technology, Bailey Road, Patna and M. Tech in Computer Science from B.I.T Mesra. The topic of his research work during M. Tech was “Software quality assurance, Analysis and Implementation to achieve high quality software product”. Apart from the qualification he has presented a paper in international conference, the paper titled “Survey on security issues in network layer active attacks on Ad hoc wireless networks”. Prakash Anand has 8+ years of teaching experience. His area of interest includes Rational Rose UML, OOAD, C, C++, Networking, Computer Organization, and Microprocessor.

**Kriti Verma**

Kriti Verma is a lecturer at Jharkhand Rai University. She earned her master’s in Mathematics from Ranchi University and pursuing her M.Phil from Ranchi University. The topic of dissertation in masters is “green’s function and its application”. Beyond this she has a rich experience of 5 years teaching in educational sector. Her areas of interest are – Mathematical Modelling, Linear Algebra, Differential Equation and Operation Research.

## DEPARTMENT OF PHARMACEUTICAL SCIENCES

**Dr. P. N. Singh**

Dr. Parma Nand Singh is a Professor in the Faculty of Pharmaceutical Sciences at Jharkhand Rai University. He earned his Bachelor’s in Pharmacy from B.U. Muzaffarpur, Bihar. He completed his Intermediate from M.U Bodh Gaya and Matriculation from B.S.E.B. Patna. He has Worked as Lecturer in Ram Lakhan Singh Yadav College of Pharmacy, Anisabad, Patna from 03.01.1988 to 02.03.1993. He also has Worked as Lecturer in Patliputra College of Pharmacy, Khagaul , Patna from 28.03.1993 to 05.03.2006. He is an elected member of of Bihar State Pharmacy Council from 16.11.2004.

**Hemendra Mishra**

Hemendra Mishra is a HoD in the Department of Pharmacy, Jharkhand Rai University. Prior to joining Jharkhand Rai University, he worked as Principal in Sita Devi College of Pharmacy and Management, Barabanki (U.P.). He served Babu Banarasi Das University, Lucknow (U.P.) and Sumandeep Vidyapeeth University, Vadodra (Gujrat), Sigma Institute of Pharmacy, Vadodra (Gujrat). He has worked as Analytical Chemist in Ess Jee Pharmaceutical Pvt. Ltd. Bahadurgarh (Haryana). Prof. Hemendra Mishra has rich experience of 13 years of industrial & academic. He has received Masters in Pharmacy (Pharmaceutics) from Himalayan Pharmacy Institute, Mazitar, Rangpo (E. Sikkim), affiliated to North Bengal University (W. Bengal), he has graduated as B. Pharm from Himalayan Pharmacy Institute, Mazitar, Rangpo (E. Sikkim), affiliated to North Bengal University (W. Bengal), he had completed his Diploma in Pharmacy from Himalayan Pharmacy Institute, Deorali, Gangtok (E. Sikkim). He is pursuing his Ph. D from Oriental University Indore, (M.P.). He had guided various M. Pharm Projects on Nobel Drug Delivery System and had attended Workshop and Quality Improvement Programme, Presented Poster/Papers in Conferences.

Himalayan Pharmacy Institute, Mazitar, Rangpo (E. Sikkim), affiliated to North Bengal University (W. Bengal), he had completed his Diploma in Pharmacy from Himalayan Pharmacy Institute, Deorali, Gangtok (E. Sikkim). He is pursuing his Ph. D from Oriental University Indore, (M.P.). He had guided various M. Pharm Projects on Nobel Drug Delivery System and had attended Workshop and Quality Improvement Programme, Presented Poster/Papers in Conferences.



**Uma Kumari**

Uma Kumari is a Professor in the Faculty of Pharmaceutical Sciences at Jharkhand Rai University. Uma Kumari earned her Bachelor's in Pharmacy from S. Sinha College, Aurangabad, Bihar and Masters in Pharmacology from Birla Institute of Technology, Mesra, Ranchi. She did her M. Pharm Project on the topic, "Evaluation of the activity of Quercetin in hippocampal memory impairment". She has qualified GPAT and got AICTE PG scholarship for doing M. Pharm. She has also attended international conferences and participated in poster presentation. She is a member of Indian Pharmacy Graduates' Association Jharkhand.

**Priyanka Jaiswal**

Priyanka Jaiswal is currently Assistant Professor in the Department of Pharmaceutical Sciences at Jharkhand Rai University, Ranchi. She obtained her M.pharm degree from Birla Institute of Technology (BIT, Mesra), Ranchi and B.pharm. degree from BPUT (Biju Patnaik University of Technology), Odisha. She has also worked as an Assistant Professor in Kanak Manjari Institute of Pharmaceutical Sciences, Rourkela. In addition, also has experience in Pharmaceutical Industry like Eumark Pharmaceuticals Pvt. Ltd. and Novo Medi Sciences Pvt. Ltd., Mumbai. She had also associated with National Rural Health Mission(NRHM) for RBSK program for a short period.

Apart from these, she has published Research paper in National and International journal. She has also attended TEQIP sponsored workshop and International conference. Her major area of interest is poster presentation. She is a member of Indian Pharmacy Graduates' Association Jharkhand.

## STUDENTS PROFILE

### Students Enrolled in Year 2019

Programme Name	No. of Student
B.SC.(AGRICULTURE)	75
DIPLOMA IN ENGINEERING	95
DIPLOMA IN PHARMACY	60
B.TECH	83
BBA	72
BCA	107
MBA	55
MCA(LATERAL)	23
<b>Grand Total</b>	<b>570</b>

### Students Passed out in Year 2019

Programme Name	No. of Student
B.SC.(AGRICULTURE)	57
DIPLOMA IN ENGINEERING	77
B.TECH	146
BBA	8
BCA	15
MBA	37
MCA(LATERAL)	18
<b>Grand Total</b>	<b>358</b>

# EDUCATIONAL TOUR

**Educational tour of Agriculture students to Solan and Shimla Under Experiential Learning Program (ELP)**

The final year semester students of Agriculture Dept. visited Central Potato Research Institute at Solan, Himachal Pradesh on 14th Nov, 2019 under the supervision of our faculty Dr. Hemlata Kumari and Dr. Dhananjay Kumar as part of the educational tour under ELP programme.

They interacted with Dr. Devendra Kumar Gupta, who explained about CPRI and interesting facts about potato through power point presentation. Students learnt many things about the production technology of potato, potato seed production, seed plot technique and true potato seeds. They also got to know about aeroponics production of potato in the institute.

**Dr. Yashwant Singh Parmar University of Horticulture and Forestry at Nauni, Himachal Pradesh**

On the 2nd day of the tour on 15th Nov, 2019, students visited Dr. Yashwant Singh Parmar University of Horticulture and Forestry at Nauni and interacted with Dr. Naresh Bhatia who introduced them to the importance of plants that helps in cleaning the internal environment of our homes. The students visited the production area of gerbera, rose and carnation in the polyhouse. He also explained about the cool chain and post- harvest management of flowers.



They visited the Kiwi garden where the male and female plants were planted in the ratio of 1:9. They also saw their computer controlled motor room for irrigation and fertigation & information about many horticultural plants.

### Visit to mushroom research institute

ICAR – Directorate of Mushroom Research, Chambaghat, Solan, H.P.

16 November 2019

On 16th Nov 2019, the students visited DMR in Chambaghat. Their first interacted with Dr. Sunil Verma who explained about the production technology of Mushroom and compost preparation. Later, they met Dr. Snailza Verma, who gave a detailed explanation about the scope and future in mushroom production and how to become an entrepreneur in the field of mushroom production.



In the last leg of the tour, the students visited the post-harvest and value addition lab of mushroom and interacted with Dr. Anuradha who briefed the students about the number of value added products of mushroom.

### Another educational tour on Mushroom cultivation technology for tribal students was organised by Jharkhand Rai University from 3rd February – 6th February, 2020 at Directorate of Mushroom research ICAR - Solan, Himachal Pradesh.

Students under the scheduled tribe category of Department of Agriculture went to DMR Solan for a training programme on mushroom cultivation technology under the guidance of our faculty Prof. Dr. Alok Kumar and HOD, Dr. Hemlata Kumari.

On 31st January 2020, students started their journey from Ranchi junction and reached Solan via a joyful toy train ride. From Solan, the students went to ICAR – DMR. On the first day of training they had theory classes about mushroom, its types & nutritional value, protection, preservation and health benefits. Later, they had practical sessions on mushroom culture preparation and methods of spawn preparation along with cultivation of shitake mushroom & its benefits.

During the training they learnt about post-harvest handling and value addition of mushroom, processing of mushrooms after harvesting and before packaging, kinds of mushroom products and transporting and marketing of the ready goods. They also got lessons in making mushroom pickles.

Students were trained about composting with regards to material required, its processing and harvesting. They had practical classes on sowing and their methods, cultivation of paddy straw mushroom & its different methods. They also learnt about different diseases and disorders of mushroom, its symptoms and its preventive measures.

The training programme ended with an interactive session with the Director and scientists of ICAR – DMR, Solan wherein their doubts were clarified & they were awarded with certificates and spawn as a gift.

**Educational Tour to Indian Council of Agricultural Research (ICAR) National Bureau of Plant Genetic Resources, Ranchi (NBPGR)**

On 11th Feb 2020, the 6th Semester Students of the Department of Agriculture had a short educational trip to NBPGR Ranchi, with our Faculty DR. Hemlata Kumari. The key objective of the visit to NBPGR was to understand their pivotal role in the field of agriculture in the areas like improvement in various crop plants, diversity and collection of germplasm etc.

At the NBPGR campus, the students were briefed about basic information regarding NBPGR Regional Station Ranchi and later moved to the fields to observe the different germplasm of Jackfruit, Mango, Bael, Sinduri Jamun & Tamarind etc. The visit was under the Course – CROP IMPROVEMENT -2 and ended with a group photo session with the scientists of NBPGR.



**EDUCATIONAL TOUR TO ICAR – RKMA, Ranchi**

An educational tour of 37 students from 4th Semester BSC. Agriculture batch was held on 26th Feb, 2020 at Ram Krishna Mission Ashram, Morabadi, Ranchi.



## EVENTS @ JHARKHAND RAI UNIVERSITY

### 2nd CONVOCATION CEREMONY AT JRU, RANCHI

The 2nd Convocation Ceremony of Jharkhand Rai University was held on 20th Feb, 2020. During the event, 809 Degree & Diploma certificates were awarded to students who had qualified under the programs of Ph.D. / Post Graduate / Under Graduate till July 2019. Out of the total students, twenty six were awarded with Gold-medal & two with chancellor medals.

Celebrating the success of our students with pride our Chief Guest Hon'ble Minister for Tribal Affairs, Shri Arjun Munda addressed the 2nd Convocation Ceremony at Jharkhand Rai University. He emphasized on the importance of research-based education that gives a new direction to the society. He also appreciated the growth university had undergone achieving quality standards and transforming itself from a young sapling to a fully-developed tree within eight years of its establishment.

Dr. Harbeen Arora, Chancellor-JRU in her address elaborated on the objective behind establishing the university - to provide skill-based technical education, encourage higher education among children coming from tribal families and promote entrepreneurship. She was happy with the progress made by the university over the past years.



Dr. Savita Sengar- Vice Chancellor-JRU, congratulated the students and shared the vision for the future. She also highlighted the work done by the University for the All-round Development of the students, promoting technical education and entrepreneurship. Dr. Sengar also spoke about free education programme for the welfare of tribal students and emphasis on modern agriculture techniques adopted at Namkum campus with its fully-automated poly house- the only one of its kind in the entire state.

Discussing the achievements, "Jharkhand Rai University is the only private university awarded with NAAC accreditation and approved by UGC in the whole of Jharkhand, Bihar & Orissa. The university successfully conducted MOOCS under Swayam programme and has made it compulsory for all students", she concluded.

The Convocation was graced by several dignitaries from the industrial, academic and social sectors along with Dr. Piyush Ranjan- Registrar, All HOD's and senior faculties of the university.



Jharkhand Rai University organised a special convocation at New Delhi to award honorary degrees to distinguished achievers for their outstanding contribution in the field of art, music, business, films, armed forces and industry. Dr. Harbeen Arora, chairperson Rai University, along with Dr. Savita Sengar, VC-JRU graced the convocation.



# TOPPERS LIST

## Chancellor Medal Awardee



**BISMILLAH**  
B.Tech-CSE



**SURAJ KUMAR DASH**  
B.Tech-MECH

## Gold Medal Awardee



**ZAMZAM ARA**  
B.Sc Agriculture



**NISHA KUJUR**  
MBA



**GITA MANKI**  
MBA



**NITU KUMARI**  
BCA



**ROHIT LAKRA**  
BCA



**KARTIK MAHTO**  
MCA



**RAJESH PRASAD**  
B.Tech-CSE



**BISMILLAH**  
B.Tech-CSE



**REKHA KUMARI**  
B.Tech-Civil



## Gold Medal Awardee



SACHIN KUMAR BASKE  
B.Tech-EEE



CHINMAY BERA  
B.Tech-EEE



SURAJ KUMAR DASH  
B.Tech-MECH



MANISH KUMAR KUSHWAHA  
B.Tech-Civil



RAMANAND NAYAK  
B.Tech-MiE



DEVCHAND SINGH  
B.Tech-MiE



SHADAB ALAM  
Diploma (L)-ME



RANJEET KUMAR VERMA  
Diploma (L)-ME



CHIRANJEEB DAS  
Diploma (L)-EE



SHAKALDEV KUMAR  
Diploma (L)-ME



ADARSH RAJ  
Diploma (L)-CE



KUMAR RAHUL  
Diploma -MiE

## EVENTS @ JHARKHAND RAI UNIVERSITY

### WORKSHOPS

Date	Topic	Name of the Expert	Organised By
28.08.2019	Career prospects in Agriculture and Pharmacy	Dr. Raman Vallabh, Sr. Faculty, IICA, Ranchi	Department of Agriculture
16.09.2019	Modern Methodology Grounding & Earthing for maximum utilization of Electrical Energy	Prof. Gaurav Kumar Verma & Prof. Prity Gupta Faculty- Jharkhand Rai University, Ranchi	Dept. of Mechanical Engineering
15.10.2019	Career and Business opportunity in Agriculture	Dr. G.S. Cheema, Ex- Senior Scientist, Punjab Agriculture University, Ludhiana	Department of Agriculture
18 & 20.11.2019	Workshop on Entrepreneurship Awareness Camp (EAC)	Mr. Harpreet Ahluwalia, Head, EDP, XISS Mr. Binod Giri & Mr. Arif Husain, EDP Trainer	XISS Ranchi with Institution Innovation Council (IIC), JRU
19.10.2019	Workshop on Entrepreneurship Awareness Drive (EAD)	Experts from IIT Kharagpur	IIT Kharagpur with Institution Innovation Council (IIC), JRU
24 & 25.10.2019	Workshop on "Current Trends in Welding Technology"	Mr. Mangal Topno Jharkhand Government MSME Tool Room, Ranchi	Dept. of Mechanical Engineering
20.11.2019	Workshop on Idea Pitching Contest	Experts from different Institutions	Institution Innovation Council (IIC), JRU
27.02.2020	Career Opportunities in Government Sector	Mr. Manoj Kr. Gupta & Raman Ballabh-Sr. Faculty IICA	Department of Management
14.16.05.2020	DS and Algorithm	Mr. Abhishek Chourasiya, Software Development Engineer, Amazon-Hyd	Department of CS & IT
18- 20.05.2020	Value Addition and Preservation of Fruits and Vegetables	Dr. Priyadarshani, P. Mohapatra, Central Agriculture University, Imphal	Department of Agriculture
20-24.05.2020	Design & Fabrication of Electronic Devices	Dr. Sumit kumar Panday/ Prof. Raghuwansh Singh Faculty- Jharkhand Rai University, Ranchi	Dept. of Electrical Engineering
30-01.06.2020	IT Skills for Professionals	Mr. Kumar Vijay, Asst. Professor, Bihar	Department of CS & IT & Management



### Workshop on “Current Trends in Welding Technology”

Dated : 24 & 25.10.2019

### Workshop on National Level Awareness Program (NLAP 2020) organised Funding by The Ministry of Micro, Small and Medium Enterprises

Dated : 19.10.2019



### Entrepreneurship Awareness Camp (EAC)

Dated : 18 & 20.11.2019

### Entrepreneurship Awareness Drive (EAD)

Dated : 19.10.2019



## Modern Methodology Grounding & Earthing for maximum utilization of Electrical Energy

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Dated : 16.09.2019



## Idea Pitching Workshop

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Dated : 15.10.2019



## Workshop on DS and Algorithm

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Dated : 14 to 16.05.2020

## EXPERT TALKS

Date	Name of Event	Name of the Expert	Organised By
17.09.2019	Overview on Inspection & quality Assurance, NDT Methodology as an aspect of Quality Control	Mr. Asoke Kumar Sil, DGM-MECON	Department of Mechanical Engineering
12.10.2019	Importance of Soft Skills	Mr. J N Prasad, Director, Base School of Spoken English, Ranchi	Department of Management
18.10.2019	Prospects Of Geology	Mr. Bhim Ray , Sr. Manager-Mineral Exploration Corporation Ltd	Department of Civil Engineering
22.10.2019	Antartica: Fusion of Technology & Environmental Studies	Mr. Manoj Kumar Pandit, Ex Prof University of Rajasthan	Department of Mining
23.10.2019	Faults: IT Recognition in Field & Implication on Mining	Mr. Bhim Ray, Sr. Manager-Mineral Exploration Corporation Ltd	Departement. of Mining
25.10.2019	Engineering Procurement and Construction Contract	Er. Surendra Kumar, Superintending Engineer, PWD	Department of Civil Engineering
14.01.2020	Global Megatrends	Dr. Deepak Vohra, OSD & Technical Adviser- PM of India	Jharkhand Rai University
27.01.2020	Career Prospects on SAP	Mr. Varun Kumar Verma -SAP-W/Hana S Consultant	Department. Of CS & IT
04.02.2020	Prospect of Mining in Jharkhand & Mineral Reserves	Mr. R.K. Singh, Retired Director of Mines, Bihar Govt.	Department. of Mining
14.05.2020	Island Protection of Distributed Generation Sysyem	Dr. Sanjay Agarwal, Research Expert, MNNIT- Allahabad	Dept. of Electrical Engineering
15.05.2020	Impact of Covid 19 on World Economy	Mr. Jawaid Ali, Chief Internal Auditor, SIYNCO Ltd, Saudi Arabia	Deptment of Management
16.05.2020	Waste to Wealth and its Dynamics	Mr. Gaurav Sharma, Sr. Research Fellow, Indian institute of Science Education and Research.	Dept. of Mechanical Engineering
16.05.2020	5G Future Generation of Technology	Mr.Rahul Kaushik, RF Enthusiast, M.S (Electrical), University of Texas,	Dept.of Electrical Engineering
16.05.2020	Basics of Soil in India	Mr. Vijay Bharat- Director of MASS	Dept. of Agriculture
20.05.2020	Current Scenario of Pharmaceutical Sciences 2020	Dr. Indranil Chanda, Deputy Controller of Exam & Program co-ordinator, (NSS), Assam Science and Technology University, Guwahati	Dept. of Pharmacy

20.05.2020	Let's Talk Future- Entrepreneurship Skill Development	Mr. Varun Duggal & Ms. Falguni Shah, Industry Expert and Faculty, School of New Age Business, Pearl Academy	IIC, Jharkhand Rai University
22.05.2020	Careers Opportunities in Agriculture Science	Dr. Bipin Kumar, Scientist-IARI, New Delhi	Dept. of Agriculture
22.05.2020	Opportunity for Entrepreneurs in Agro-processing Industry	Dr. Neeraj, Assistant Professor, Jharkhand Rai University, -Ranchi	Dept. of Agriculture
23.05.2020	Construction Methodology and Management	Mr. Devanand Jha, Senior Executive Engineer, IIT Patna	Dept. of Civil Engineering
23.05.2020	The Future Prospective of Mechanical Engineering	Mr. Suraj Kumar Dash, Officer-Nettur Technical Training Foundadion,Banaglore	Dept. of Mechanical Engineering
23.05.2020	Trends & Development in Indian Puoltry Industry	Dr. Bindu Bazaria, Asst. Professor, Lady Irwin College, Delhi University	Dept. of Agriculture
25.05.2020	Role of Horticulture in Indian Economy	Dr. Sunil Kumar Mehta, IARI PHD Scholar-Horticulture	Dept. of Agriculture
25.05.2020	The Art of Balanced Living and Spiritual Growth	Dr. S.C. Mishra, Ex-General Manager- Tata Steel Limited	Dept. of Mechanical Engineering
08.06.2020	Importance of Forests in Indian Economy	Mr. Praakash Chandra Mishra-Retd.Official, Indian Forest Service	Dept. of Agriculture
07.06.2020	Role of FCI in Food Security of India	Mr. Shiv Shankar Prasad, Manager-QC, Food Corporation of India	Dept. of Agriculture
10.06.2020	Rejuvenation Technology- A need-based approach for Indian Fruit Growers Science	Dr. Prasant Kisanrao Nimbolkar, Asst. Professor- Central Agricultural University, Imphal	Dept. of Agriculture
13.06.2020	Webinar on Winning Mindset	Ms. Amrita Nilesh - Emotional Wellness and Mind Management Coach	Department of Career Management Cell (T&P)
13.06.2020	Application of IPR Right in the Filed of Agriculture	Dr. Sunil Kumar, Asst. Professor, Dept. of Biotechnology, Akal College of Agriculture, Eternal University	Dept. of Agriculture
14.06.2020	Multi-functional of Agroforestry System in India	Dr. Vikash Kumar, Asst. Professor, Vivekananda Global University, Jaipur	Dept. of Agriculture
15.06.2020	2020 Trends in Workforce Productivity through Computer Applications	Mr. Aditya Lodha, Career Specialist, Datalogy	Department of CS & IT

16.06.2020	Evolving role of Management Graduates post Covid-19: A Corporate Perspective	Capt. Kumar Devashish, Founder & CEO – 3S Consultants, ISDG Research Foundation	Department of Management
21.06.2020	Role of Financial Institutions in Agri-Entrepreneurship Development in India	Mr. Rajiv Ranjan Kumar, Branch Manager, Bank of India, Bokaro	Dept. of Agriculture
21.06.2020	Power Plant Engineering and upcoming Technology on Clean Power	Mr. C.D. Goswami, Exec Director-Technical Services - MECON Limited	Dept. of Mechanical Engineering
24.06.2020	Medicinal Plant based Integrated Farming system	Mr. Pradip Kumar Sarkar – Agroforestry Scientist, ICAR RCER, FSRCHPR, Ranchi,	Dept. of Agriculture
30.06.2020	Exploring Horticulture Nursery as Profitable Enterprise in Eastern India	Dr. Mahesh Kumar Dhakar, Fruit Scientist, ICAR RCER, FSRCHPR, Ranchi, Jharkhand	Dept. of Agriculture
04.07.2020	Resurgence of Indian Economy & Employment opportunities: Post Covid 19	Mr. Arijit Dey, Director- DY-LIS Business Services Pvt Ltd, Mumbai	Department of Management



**Invited Talks:  
Prospects of Geology**

Dated : 18.10.2019

**Invited Talk on Antarctica:  
Fusion of Technology &  
Environmental Studies**

Dated : 22.10.2019





## Importance of Soft Skills as key to professional success

Dated : 12.10.2019

## Faults: It's Recognition In Field And Implication On Mining

Dated : 23.10.2019



## Prospect of Mining in Jharkhand & Mineral Reserves

Dated : 04.02.2020







## Engineering Procurement and Construction Contract

Dated : 25.10.2019

## Entrepreneurship opportunity in agriculture

Dated : 22.05.2020



### ALUMNI TALKS

DATE	Resource Person	Course	Batch	Current Position	Topic
11.01.2020	Mr. Preshenjeet Kumar	B.Sc. (Hons.) Agriculture	2015-2019	Entrepreneur	Industrial Attachment during RAWE
15.05.2020	Ms. Nusrat Jahan	B.Tech Electrical Engineering	2012-2016	Lecturer at Jamia Millia Islamia Unuversity, New Delhi	Industrial Applications of Operational Amplifiers
20.06.2020	Mr. Sandeep Kumar	B. Tech (CSE)	2013-2017	Mphasis Ltd, Bangalore	Best Practices to get early placement in IT Companies
27.06.2020	Mr. Ankit Singh	B.Tech Lateral CSE	2016-2019	“Client Relation Associate INA Solution”	Interviews Hacks and De-bunking the myths behind them
12 .07.2020	Mr. Loukesh Kumar Kushwaha	B.Tech Civil Engineering	2014-2019	“Emak Consulting Engineers Pvt.ltd. Post - Design Engineer”	Model & Analysis of High-Rise Structure using Modern Techniques

## Webinar on

### Interviews Hacks and Debunking the myths behind them

**Speaker : Mr. Ankit Singh**

*Alumni of Jharkhand Rai University, Ranchi*  
Client Relation Associate, INA Solution



### The Future Prospective of Mechanical Engineering

**Speaker : Mr. Suraj Kumar Dash**

*Alumni of Jharkhand Rai University, Ranchi*  
Officer Training (Corporate Division),  
Nettur Technical Training Foundation, Bengaluru



### Webinar on Industrial Applications of Operational Amplifiers



**Ms. Nusrat Jahan**

*Alumni of Jharkhand Rai University*  
Faculty of Engineering, Department of Electronics & Communication Engineering,  
Jamia Millia Islamia University, New Delhi

## Webinar on

### Model and Analysis of High Rise Structure Using Modern Techniques

**Speaker : Mr. Loukesh Kumar Kushwaha**

*Alumni-Jharkhand Rai University, Ranchi*  
Design Engineer, Emak Consulting Engineering Pvt.ltd  
Ranchi, Jharkhand



## INDUSTRY VISITS

Date	Name of Event	Organised By
16.09.2019	Visit to SEBI (Local Head Office) Ranchi	Department of Management
23.09.2019	Visit to SNL Bearings Limited, Ratu Road, Ranchi	Department of Management
23.09.2019	Visit to Mushroom Tub, Ranchi (ELP)	Department of Agriculture
02.10.2019	Visit to Noni, Plantation Programme, Bokaro	Department of Agriculture
25.10.2019	Visit to Sikidri Hydel Power Plant, Ranchi	Department of Civil Engineering
14.11.2019	Visit to Birla Agricultural University, Ranchi	Department of Agriculture
26.11.2019	Visit to Geological Museum, CMPDIL, Ranchi	Department of Mining Engineering
28.11.2019	Visit to Sadma, Ormanjhi, Ranchi for Vegetable Cultivation (Under ELP)	Department of Agriculture
25.01.2020	Industrial Visit to NH33 for Field Survey	Department of Civil Engineering
28.01.2020	Visit to Ramkrishna Mission Ashram, Ranchi	Department of Agriculture
4.02.2020 & 10.02.2020	Visit to Raj Bhawan	Department of Agriculture
10.02.2020 & 11.02.2020	Expedition to Copper Mine, HCL, Balaghat	Department of Mining Engineering
11.02.2020	Visit to NBPGR - National Bureau of Plant Genetic Resources, Ranchi	Department of Agriculture
14.02.2020	Visit to IINRG - Indian Institute of Natural Resins and Gums, Namkum, Ranchi	Department of Agriculture
06.03.2020	Visit to Mother Dairy Fruit and Vegetable Processing unit	Department of Agriculture



**Excursion to Earth Science Museum,  
CMPDIL, Ranchi**

Dated : 26.11.2019



## Industrial Visit To Sikidiri Hydro Electric Power Plant

Dated : 25.10.2019

## Industrial site visit at Getalsud Dam

Dated : 26.11.2019



## Industrial Visit To Copper Mine HCL, Balaghat

Dated : 10.02.2020 & 11.02.2020



**Educational tour of Agriculture students to Solan and Shimla under Experiential Learning Program (ELP)**

Dated : 16.11.2019

**Visit to Dr. Yashwant Singh Parmar University of Horticulture and Forestry at Naini, Himachal Pradesh**

Dated : 16.11.2019



**Visit to Mushroom Research Institute**

Dated : 16.11.2019

**Educational Tour To ICAR - RKMA, Ranchi**

Dated : 11.02.2020



## CULTURAL & CO-CURRICULAR EVENTS

Date	Activity	Organised By
05.09.2019	Teachers Day Celebration	Jharkhand Rai University
14.09.2019	Indoor Game Competition	Sports Club
15.09.2019	Tech Fest 2019	Science Club
21.09.2019	Quiz'O Code 1.0 Competition	Department of CS & IT
24.09.2019	Blood Donation Camp	NSS
25.09.2019	Poster Competition on World Pharmacist Day	Department of Pharmacy
27.09.2019	Freshers Day	Jharkhand Rai University
29.09.2019	Goonj 2019- Garba & Dandia Night	Cultural Club
20.11.2019	Inter-Department Volleyball Championship	Sports Club
23.11.2019	BIZ SPREE 2019-Games Without Limit	Department of Management
11.01.2020	JRU Staff Cricket 2020	Sports Club
25.01.2020	Swachhta Apne Pass	Cultural Club
27.01.2020	Charcol Painting Workshop	Cultural Club
06.02.2020	Inter-Department Cricket Championship	Sports Club
06.02.2020	Inter-Department Cricket Championship	Sports Club
20.02.2020	2nd Convocation Day Ceremony	Jharkhand Rai University
25.02.2020	National Level Awareness Program (NLAP 2020)	Dept. of CS&IT, Mechanical, Mining & Civil Engineering
04.03.2020	MINEART` 20	Dept. of Mining & Civil Engineering
18.05.2020	MINE QUIZZARD` 20- Online Quiz Competition	Department of Mining
24.05.2020	Quiz'0 _Code 2.0 Mental Hack	Department of CS & IT
21.06.2020	International Yoga Day-Sketch & Poster Making Competition	Department of Agriculture
21.06.2020	International Yoga Day-Live Yoga Session	Jharkhand Rai University



**Freshers Day**

Dated : 27.09.2019



**Charcoal Painting workshop**

Dated : 29.09.2019



## Teachers' Day

Dated : 05.09.2019

## Tech Fest on Engineers day

Dated : 15.09.2019



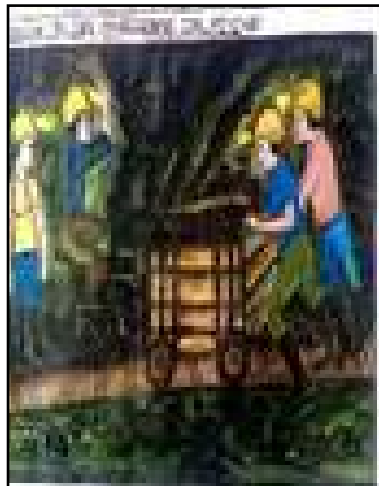
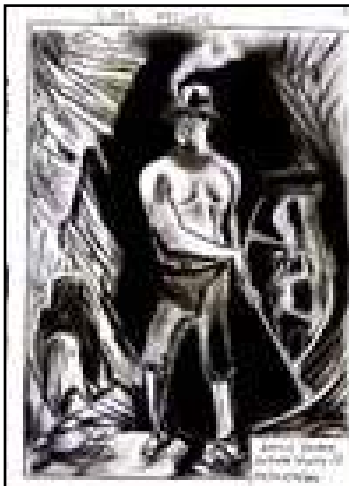
## Quizo\_code1.0

Dated : 21.09.2019



## International Women's day

Dated : 08.03.2020



## MINE ART`2020

Dated : 04.03.2020

## World Pharmacist Day Celebration

Dated : 25.09.2019



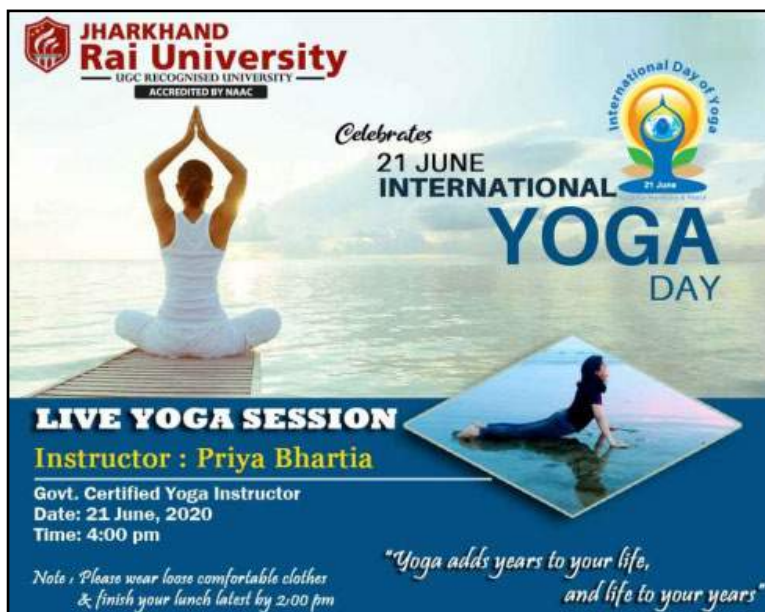


## Volleyball championship

Dated : 20.11.2019

## Inter Department Cricket Tournament

Dated : 06.02.2020



**JHARKHAND  
Rai University**  
UGC RECOGNISED UNIVERSITY  
ACCREDITED BY NAAC

*Celebrates*  
**21 JUNE  
INTERNATIONAL  
YOGA  
DAY**

**LIVE YOGA SESSION**  
**Instructor : Priya Bhartia**  
Govt. Certified Yoga Instructor  
Date: 21 June, 2020  
Time: 4:00 pm

*Note : Please wear loose comfortable clothes  
& finish your lunch latest by 2:00 pm*

*"Yoga adds years to your life,  
and life to your years"*

## International Yoga Day-Live Yoga Session

Dated : 21.06.2020

## Collaborative Events

Name of Activity	No. of Participants	Duration in Day
Faculty Development Programme on 'Moodle Learning Management System' in association with IIT Bombay-Spoken Tutorial on 23rd July 2020 to 29th July 2020	41	7
"Webinar on 'Let's Talk Future' specially focusing on the Entrepreneurship Skill Development held on 16th May, 2020 in association with Pearl Academy	474	1
"Workshop on 'Creative Toolbox' held on 15th May 2020 in association with Pearl Academy	477	1
"Webinar on '2020 Trends in Workforce Productivity through Computer Applications' focusing on IT trends in Post Covid World held on 15th June, 2020 in association with Nirmala College, Ranchi	900	1
Webinar on 'Evolving Role of Management Graduates Post- Covid': A Corporate Perspective focusing on the changing trends in the field of Management Post-Covid held on 16th June, 2020 in association with Nirmala College, Ranchi	657	1
Webinar on 'Resurgence of Indian Economy and Employment Opportunities Post COVID 19' held on 4th July, 2020 in association with Yogoda Satsanga Mahavidyalaya, Ranchi	1202	1
Field visit to Birsa Agriculture University, Kanke, Ranchi on 14th November, 2019	57	1
Field visit to Noni Plantation Programme, Bokaro on 2nd October, 2019	26	1
Industrial visit to Mushroom Tub at Sirtdo, Industrial Estate, BIT Mesra, Ranchi on 23rd September, 2019	13	1
Industrial visit to Mushroom Tub at Sirtdo, Industrial Estate, BIT Mesra, Ranchi on 25th September, 2019	13	1
Field visit for Vegetable Cultivation during Experiential Learning Program (ELP), Sadma, Ormanjhi, Ranchi on 28th November, 2019	26	1
Educational tour to Directorate of Mushroom(DMR) at Solan and Central Potato Research Institute(CPRI), Shimla(HP) on 14th November - 16th November, 2019	21	1
Field Visit to Ramakrishna Mission, Morabadi, Ranchi on 28th January, 2020	51	1
Field Visit to Raj Bhawan, Ranchi on 4th February, 2020	56	1
Field Visit to Raj Bhawan, Ranchi on 10th February, 2020	51	1

Name of Activity	No. of Participants	Duration in Day
Field Visit to The National Bureau of Plant Genetic Resources (NBPGR), Ranchi on 11th February, 2020	56	1
Industrial Visit to Indian Institute of Natural Resins and Gums (IINRG), Ranchi on 14th February, 2020	51	1
Industrial Visit to Mother Dairy Fruit and Vegetable Processing Unit, Nagari, Ranchi on 06th March, 2020	59	1
Workshop on 'Value Addition And Preservation of Fruit And Vegetables' on 18th May, 2020 - 20th May 2020	63	3
Industrial visit to Sikidiri Hydro Electric Power Plant Ramgarh, Jharkhand on 25th January, 2020 to 26th January, 2020	94	2
Industrial visit at Getalsud Dam, Ormanjhi Ranchi, Jharkhand on 13th November, 2019	51	1
Technical Site Visit of National Highway Authority of India at NH-33, Ranchi Jamshedpur Road on 25th January, 2020	110	1
ICT CONCLAVE held at Xavier's Institute of Social Service, Ranchi in association with Confederation of Indian Industry (CII) on 19th October, 2019	5	1
Industrial Visit-Software Technology Park of India, Namkum, Ranchi, Jharkhand on 7th September, 2019	40	1
Industrial Visit to NathCorp Pvt. Ltd, Ashok Nagar Ranchi, Jharkhand on 26th October, 2019	42	1
Industrial Visit to Securities Exchange Board India (SEBI), Ranchi Local office on 16th September, 2019	127	1
Industrial Visit to SNL Bearings Limited, Ratu Chatti, Ranchi on 23th September 2019	57	1
Inter University Management game BIZ- Spree 19 on 23rd November 2019	41	1
Industrial visit to Bokaro Steel Limited-Bokaro on 04th April, 2019	50	1
Industrial visit to Heavy Engineering Corporation, Ranchi on 17th May, 2019	43	1
Industrial visit to Micro, Small and Medium Enterprises (MSME) Tool Room, Ranchi on 09th March, 2019	49	1
Industrial visit to Micro, Small and Medium Enterprises (MSME) Tool Room, Ranchi on 30th March, 2019	43	1
Industrial visit to Sikidiri Hydro Power Plant –Sikidiri on 16th April, 2019	21	1
Industrial visit at Jindal Steel Power Limited, Patratu, Ranchi on 13th December, 2019	44	1
Industrial visit to Bokaro Steel Limited, Bokaro on 14th November, 2019	44	1
Industrial Visit to Iron Ore Mines of Tata Steel, Naoumudi on 20th June, 2019.	18	1
Industrial Visit to Geological Museum, CMPDI, Ranchi on 26th November, 2019	78	1
Industrial Tour to Copper Mine, Hindustan Copper Limited (HCL), Balaghat on 10th February, 2020 to 11th February, 2020	18	2

Name of Activity	No. of Participants	Duration in Day
Symposium on the topic 'New Mineral Concession Regime-Challenges & Constraints' by Mr. Arun Kumar Director Mines (Dept. of Mining & Geology, Govt. of Jharkhand), Mr. R.K. Singh (Ex Director of Mines, Govt. of Bihar) & Mr. B.B. Lal (Retired Additional Director of Mines , Govt. of Jharkhand) on 5th February, 2019	93	1
Workshop on 'Modern Methodology used in Grounding & Earthing for maximum utilization of Electrical Energy' in Association with Heavy Engineering Corporation Limited, Ranchi from 16th September, 2019 to 17th September 2019	63	2
Industrial Visit to Sikidiri Hydro Power Plant, Sikidiri , Ranchi, Jharkhand on 24th February, 2020	30	1
Industrial Visit to Power Grid Corporation of India Limited, Namkum, Ranchi on 2nd March 2020	17	1
Industrial Visit to Sikidiri Hydro Power Plant, Sikidiri , Ranchi, Jharkhand on 22nd October 2019	25	1



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**Yogoda Satsanga Mahavidyalaya**  
Affiliated to Ranchi University,  
Accredited by NAAC "B++"(CGPA-2.89)  
"Under the aegis of Yogoda Satsanga Society of India"

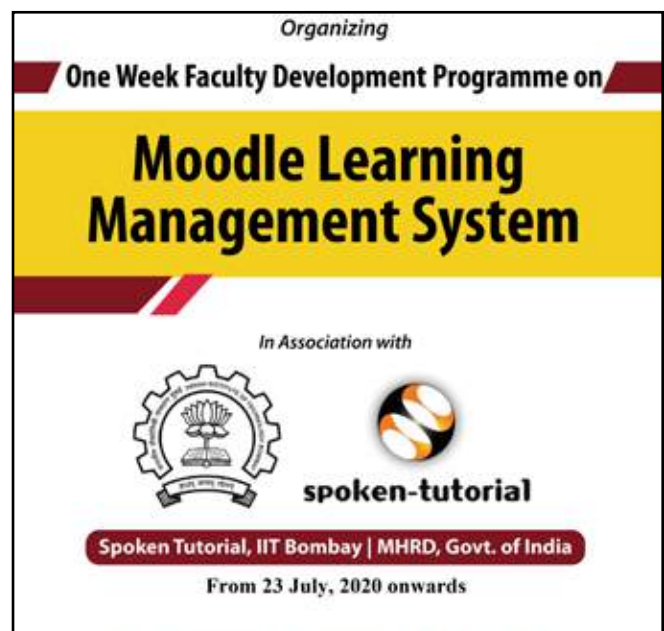
Organizing

**Webinar on**

**Resurgence of Indian Economy and Employment Opportunities Post COVID 19**

Speaker : **Mr. Arijit Dey**  
Director- DYLIIS Business Services Pvt Ltd, Mumbai

Organizer: Dr. Ash Sharma (IITM)  
Additional Secretary and Director, IIT Bombay





Organizing

**One Week Faculty Development Programme on**

**Moodle Learning Management System**

In Association with

**spoken-tutorial**

Spoken Tutorial, IIT Bombay | MHRD, Govt. of India

From 23 July, 2020 onwards

**JHARKHAND Rai University**  
UGC RECOGNISED UNIVERSITY  
ACCREDITED BY NAAC

In Association with  
**Yogoda Satsanga Mahavidyalaya**  
Affiliated to South Indian University  
Accredited by NAAC "B" + (2019-2020)  
"The Birthplace of Yogoda Satsanga Society of India"

Organizing  
**Webinar on**  
**Resurgence of Indian Economy and Employment Opportunities Post COVID 19**

**Speaker : Mr. Arijit Dey**  
Director - COVID-19 Business Services Pvt Ltd, Mumbai

Date : 4 July, 2020  
Time : 11:00 am - 12:00 noon

Co-moderator : Prof. Rashmi  
Assistant Professor  
Faculty of Management Studies  
Yogoda Satsanga Mahavidyalaya

Co-moderator : Prof. Anshu Bhowik  
Assistant Professor  
Faculty of Management Studies  
Yogoda Satsanga Mahavidyalaya

Participants: Prakash Ranjan, Big Dr Anil Sharma, Sajjan Datta (host), KUMAR JHARKHORA, Ananta Majumdar, host@msq21 (me), Prof. Anshu Bhowik, Yogoda Satsanga Mahavidyalaya

**JHARKHAND Rai University**  
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In Association with  
**NIRMALA COLLEGE, RANCHI**  
AFFILIATED TO RANCHI UNIVERSITY  
ACCREDITED BY NAAC "A" GRADE  
A COLLEGE WITH POTENTIAL FOR EXCELLENCE

Organizing  
**Webinar on**  
**Evolving Role of Management Graduates Post COVID : A Corporate Perspective**

**Speaker : Capt. Kumar Devashish**  
Founder & CEO - 3S Consultants, ISDG Research Foundation  
Ex Chief Minister Fellow (Chhattisgarh), Ex Master Mariner

**Speaker : Dr. Abhishek Pratap**  
Assistant Professor, Jharkhand Rai University, Ranchi

Dr. Sister Jyoti  
Principal, Nirmala College

**JHARKHAND Rai University**  
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**Pearl Academy**

**Let's TALK FUTURE**

Institution Innovation Council,  
Jharkhand Rai University, Ranchi in association with  
Pearl Academy is organising a Webinar on  
Entrepreneurship Skill Development  
May 16, 2020 | 4:30 PM - 6:30 PM

**Varun Duggal**  
Industry Expert & Faculty  
School of New Age Business,  
Pearl Academy

**Falguni Shah**  
Industry Expert & Faculty  
School of New Age Business,  
Pearl Academy

### Extension Activities

Name of Scheme	Organizing unit/ Agency/collaborating agency	Name of activity	Number of teachers Coordinated in such activities	Number of students participated in such activities
Swachh Bharat Abhiyan	“NSS Cell, Jharkhand Rai University, Ranchi”	Swachh Bharat	4	70
Gender Sensitization	“Women Cell, Jharkhand Rai University, Ranchi”	Quiz Competition	6	60
		Painting Exhibition	2	30
		Training on Self Defence	9	106
		Skit & Debate Competition	6	280
Gender Sensitization Program ( I-CAN) under “The Butterfly Project Foundation”	The Butterfly Project Foundation	Dance, Painting, Singing, Collage making, etc	3	20



**Training on Self Defence**

Dated : 11.10.2019



**Debate Competition**

Dated : 08.03.2020



**Blood Donation Camp**

Dated : 23.09.2019

## Outreach Activities

Number of initiatives taken to engage with and contribute to local community	Date	Day	Name of initiative	Issues addressed	Number of participating students and staff
Election Awareness Rally, Jora mandir, Rajaulatu, Ranchi	27.01.2020	1	Swachhata Pakhwada(NSS)	Create awareness among voters to value their vote	42(Students)+3 staffs
Swachh Bharat Abhiyan at Govt. Middle School, Rajaulatu, Ranchi	16.01.2020	1	Swachhata Pakhwada(NSS)	Awareness Program about sanitation and waste management	50(students)+1 staff
Ped Lagao Ped Bachao Abhiyan, Rajaulatu, Ranchi	17.01.2020	1	Swachhata Pakhwada(NSS)	Create Awareness to save the environment and beautify our Life	56(students)+1 staff
Debate on Swachhata at JRU, Namkum Campus	20.01.2020	1	Swachhata Pakhwada(NSS)	Evoked sense of responsibility among students about Clean India Movement	90(students)+5 staffs
Swachh Bharat Abhiyan at JRU, Namkum Campus	21.01.2020	1	Swachhata Pakhwada(NSS)	Infusing Knowledge among students to maintain clean and green campus	51(students)+5 staffs
Poster making and slogan on water conservation at JRU, Namkum Campus	22.01.2020	1	Swachhata Pakhwada(NSS)	To disseminate knowledge about natural water bodies and their aquatic environment protection	80(students)+5 staffs
Poster making and slogan on forest conservation at JRU, Namkum Campus	24.01.2020	1	Swachhata Pakhwada(NSS)	To create awareness about flora, fauna and wildlife	90(students)+5 staffs
Training on Mushroom Cultivation Technology for tribal farmers at JRU, Namkum Campus in association with DMR(Directorate of Mushroom, Solan, HP)	22 & 23.02.2020	2	Mushroom Cultivation among the tribal settings for empowering tribal farmers (Tribal sub plan)	Provide opportunity for socio-economic and nutritional security of tribal people	65- Farmers+3 staffs
Training on Mushroom Cultivation Technology for tribal farmers and students at DMR(Directorate of Mushroom, Solan, HP) in association with JRU, Namkum Campus	3-6.02.2020	4	Mushroom Cultivation among the tribal settings for empowering tribal farmers (Tribal sub plan)	Develop entrepreneur skills among tribal youth and women	26-Students+ 4 farmers



Number of initiatives taken to engage with and contribute to local community	Date	Day	Name of initiative	Issues addressed	Number of participating students & Alumni
Stevia plantation at Haslata village, Bokaro organized by JRU in association with NGO-Bano Kisan and Company-Jeevan bodh Agro tech, Petarbar Village, Bokaro	31.01.2020	1	RAWE Programme	To create awareness towards health and livelihood promotion	22-Students+1 Alumni
Kisan Gosthi at Haslata Village, Bokaro organized by JRU in association with NGO-Bano Kisan and Company-Jeevan bodh Agro tech, Petarbar Village, Bokaro	4-5.02.2020	2	RAWE Programme	To disseminate knowledge about modern technology for water conservation and Government Schemes	22-Students+1 Alumni
Check Dam construction (Boda Bandh) at Haslata Village, Bokaro organized by JRU in association with NGO-Bano Kisan and Company-Jeevan bodh Agro tech, Petarbar Village, Bokaro	11.02.2020	1	RAWE Programme	To mitigate the scarcity of water.	22-Students+1 Alumni
Organic Farming at Petarbar Village, Bokaro organized by JRU in association with NGO-Bano Kisan and Company-Jeevan bodh Agro tech, Petarbar Village, Bokaro	3-6.03.2020	3	RAWE Programme	Steps toward sustainable development	22-Students+1 Alumni
Jagrukta Abhyian to stop rural migration at Petarbar Village, Bokaro organized by JRU in association with NGO-Bano Kisan and Company-Jeevan bodh Agro tech, Petarbar Village, Bokaro	14.03.2020	1	RAWE Programme	To create awareness to prevent migration from rural to urban area	22-Students+1 Alumni
Village Survey by using PRA-Participatory Rural Appraisal Tools at Krishi Vigyan Kendra, Dhanbad	25.02-17.03.2020	21	RAWE Programme	To aware socio-economic differences within communities	19-students
Village Survey by using PRA-Participatory Rural Appraisal Tools at Mobile Agricultural School and Services(MASS), Lalgah, Ranchi	28.01-22.03.2020	54	RAWE Programme	To aware socio-economic differences within communities	9-students
Village Survey by using PRA-Participatory Rural Appraisal Tools at ,Gansu Mahato Training Center, Ormanjhi, Ranchi	03.02-25.02.2020	23	RAWE Programme	To aware socio-economic differences within communities	10-students



## Election Awareness Rally

Dated : 23.09.2019

## Water Conservation

Dated : 25.07.2019



## Swachh Bharat Abhiyan

Dated : 15.03.2020





## Swachh Bharat Abhiyan Awareness Campaign on Electoral Process

Dated : 13.07.2019

Our NSS students at  
the rally for creating  
electoral awareness  
among the villagers at  
Palandu, Ranchi

Dated : 13.07.2019



## Nukkad Natak

Dated : 13.07.2019

## Awareness Programme among the villagers for “Beti Bachao, Beti Padhao”

Dated : 02.04.2019



## Blood Donation Camp

Dated : 25.02.2020



## Ped Lagao Ped Bachao Abhiyan

Dated : 17.01.2020



**International E-Conference on Multidisciplinary Approach for Sustainable Development**

19th –20th September, 2020

Jharkhand Rai University organised a two-day international e-conference on “Multidisciplinary Approach for Sustainable Development” (ICMASD-2020) on 19th –20th September, 2020.

Addressing the occasion, Chief Guest Dr. Sunil Barnwal (IAS), Principal Secretary, Jharkhand spoke about the objective of sustainable development goals to build an equal, just, peaceful, secure & prosperous world. The young generation must keep in mind all the three key aspects intact- i.e., social inclusion, economic development and environment conservation for an overall development.

The Vice-chancellor Dr. Savita Sengar highlighted the significance of technology during the challenging times of Corona pandemic helping us as a platform to connect various sectors.

The advisor to Jharkhand Rai University and Ex-CMD Prof. Avijit Ghosh also spoke about how exploitation of natural resources has resulted in the erosion of environment & eco-system.

As a special speaker on the occasion, Atul Bhatt, CMD Registrar emphasized the need of the conference in the current circumstances.

Out of 100 research papers, 40 short-listed ones were taken up at the conference along with launch of an e-souvenir during the two-day session. Apart from the entries from Indian states, the conference also saw participation from international countries like United States of America, England, Australia & Tajikistan etc.



**Job Mela in association with Board of Practical Training (BOPT)  
 Under MHRD (Ministry of Human Resource Development), Govt. of India**

Board of Practical Training (BOPT Eastern Region), an autonomous body of Department of Higher Education (MHRD) and Jharkhand Rai University, Ranchi jointly organised a 2-day Job Mela & Apprenticeship Training on 27 – 28 Feb, 2020.

The objective of the Job Mela was to facilitate newly passed out graduates and diploma holders in engineering technology for acquiring practical training in Industries/ Organisations and thus prepare them to increase their employability factor.


The inaugural day witnessed the presence of eminent dignitaries, academicians, JRU faculties & staff along with students from various fields.

During her welcome address, Dr. Savita Sengar, Vice Chancellor, JRU emphasizes on the fact that this is the 4th Job Mela organised by JRU in association with BOPT and our effort remains to enable and empower students to become employable. Representatives from more than 50 companies and 2500 students participated in the Job Mela making it a success.


Chief Guest at the event was Ms. Kamakshi Raman, Executive Director, HRD (SAIL) along with other dignitaries like Guest of Honour, Mr. Sunil Kumar Singh GM (HRD), CCL, Mr. Alok Kumar - GM (HRD), CMPDI & Mr. Avijit Ghosh, Ex-CMD, HEC.



**Retrouvaille- the Alumni meet '20**



**Stay connected with your alma mater.  
Register in the below given link for Alumni Association.**



**JRUI ALUMNI ASSOCIATION**

**CLICK HERE**

“No distance of place or lapse of time can lessen the friendship of those who are thoroughly persuaded of each other’s worth” – Robert Southey

“**RETROUVAILLE- The Alumni meet '19**” started with a mission of strengthening the linkage between the alumni and Jharkhand Rai University. We proudly invited our Alumni for the Alumni meet to take a walk down the corridors of their Alma mater. The Alumni association of Jharkhand Rai University exists to nourish the ties between our Alumni community, the organisations and the alma mater. We are keen to organise alumni meet in the coming future as well.





**"The Foundation Program"**

Starts: 1<sup>st</sup> October, 2020 onwards (Through online mode)

***"People without the knowledge of their past history, origin and culture are like trees without roots."***  
- Marcus Garvey

At Jharkhand Rai University Ranchi, we firmly believe in innovative teaching methods that help in preparing our students with desired skills, ingenious insights and imaginative abilities in order to make them well equipped and employable from industry perspective.

Keeping in mind the students coming from diverse backgrounds, the university organised a 20-day meticulously designed Online Foundation Program named "ROOTS-2020" on JRU Moodle Learning platform from 1st October 2020, welcoming all students who took admission into various degree and diploma programmes at the University.

JRU Moodle- is a learning management system (LMS) designed to provide students and faculty members with a single robust, secure and integrated system was created for personalized learning environment. During the time of pandemic crisis, University developed a well-rounded and effective educational practice needed for capacity-building of young aspiring minds.

"ROOTS - 2020" is designed around students, helping them to bridge and uncover the answers to the questions they have and providing the information regarding the campus resources, programs & services.

The program helped the students to build a network of resources that will help them to start their JRU journey on the right path. By the end of ROOTS, students were on their way to start their exiting educational journey.

The University is committed to entrepreneurial development and skills enhancement for our students. We also took a novel initiative to add a skill-based Certification Programme in our various programmes. "ROOTS – 2020 followed by a TWO days Online Orientation Program" started with an Introduction Session along with many games and fun loving activities and later covered the basics of sciences / Mathematics / IT / English/ Biology etc. which helped the students coming from diverse background learn the fundamentals and come up to a common platform before they begin their respective credit based course.

Apart from academics, the sessions included different club activities from JRU's Cultural Club, Sports Club and Science Club.

To make learning fun, the session had leanings from different movies from Bollywood/Hollywood, Lip sync battle, pass the word, spotting etc. to inculcate and imbibe soft skills like Ethics, Motivation, Leadership, etc.

Besides this, the courses on "Basic Etiquette and Personal Development" and "IT Awareness and Technology Trends" also constituted an integral part of the foundation program, ensuring the students use best of their capabilities and resources once they enter the credit-based program.

Last but not the least, the session included "Expert Talks" from eminent personalities in their fields and also had "Alumni's Wit" where our alumni shared experiences about their campus life.

To ensure that the program is taken up with utmost seriousness, all students went through an assessment session at the end of ROOTS.

"ROOTS – 2020" aptly designed to give the students a gist of what they would experience in their forthcoming course tenure ended with loads of fun filled learning games and events on the go.



# CAREER MANAGEMENT CELL

## (Training & Placement)

Career Management Cell (T &P) of Jharkhand Rai University is committed to provide all possible assistance to the students giving them direction and resources to acquire the necessary skills in order to become industry ready. The Career Management Cell optimizes their relationship with the industry experts in order to groom the students to the best of their capabilities. Our aim is to mentor students to choose the right career by giving them proper knowledge, skill and aptitude to cater the manpower requirements of the Industry. Activities like On Campus Placement drives, Job Fair, Pool Campus drives, Group Discussions, Presentations, Mock Interview Sessions, Personality Development Classes, Guest Lectures, Alumni Interaction, Industrial Visits and trainings are attempts to bridge the gap between the budding professionals and their prospective employers.

### Our Trainers



### Our recruiters



### Partial list of Students successfully placed



**Kumar Sambhav** - B.Tech Civil  
 Successfully Placed with



**Ankit Singh** - B.TECH CSE ( 2016-2019 )  
 Successfully Placed with



**Avijeet Jaiswal** - BCA (2016-2019)  
 Successfully Placed with



**Rajeev Pradhan** - MBA (2017-2019)  
 Successfully Placed with



**Nidhi Lata** - MBA (2017-2019)  
 Successfully Placed with



**Shiv Kumar Sav** - MBA (2017-2019)  
 Successfully Placed with



**Md Sajid Ansari** - MBA (2017-2019)  
 Successfully Placed with

**SPANDANA**



**Sunil Kr. Rajak** - MBA ( 2016-2018 )  
 Successfully Placed with



**Soni Kumari** - MBA ( 2019-2021 )  
 Successfully Placed with



**Uday Nayak** - B.Tech ME ( 2017-2020 )  
 Successfully Placed with



**Surendra Kumar** - B.Tech EEE ( 2017-2020 )  
 Successfully Placed with

*and many more...*

## Our Recruitment Partners of the Session 2019 - 20

- ECO LIFE AQUA PVT. LTD.
- MOTILAL OSWAL FINANCIAL PVT. LTD.
- SPARSH INNOVATORS PVT. LTD.
- LOGCHAIN INDIA
- HIGH-TECH NEXT ENGINEERING AND TELECOM PVT. LTD.
- MARELLI MOHERSON AUTO SYSTEM PVT. LTD.
- ECONOMIC TIMES
- COROMANDAL INTERNATIONAL PVT. LTD.
- GETMYUNI
- 1-INDIA FAMILY MART
- SHOPPERS STOP
- SAFEDATA ERP PVT. LTD.
- M/S RDSS INFRA SERVICES
- THE CREATORS
- QUESS CORP LIMITED
- RR EYE FOUNDATIONS
- A.K BISWASH HOSPITAL
- FXIII ENHANCE PRIVATE LIMITED
- RANCHI SECURITY PRIVATE LIMITED
- VASTU VIHAR
- VIJETA PROJECT AND INFRASTRUCTURE LTD.
- EMAK CONSULTING ENGINEERS PVT. LTD.
- UTILITY POWERTECH LIMITED
- MUDRAKSHI HYTECH INDIA PVT. LTD.
- SNL BEARINGS LTD.
- APTECH COMPUTER
- PRATHAMA GROUP
- SPANDANA SPHOORTY FINANCIAL LIMITED
- PIE INFOCOM
- CONCENTRIX
- PIN CLICK
- SUDHA MOTORS,PISKA MORE
- SAI AUTO,RATU ROAD
- ATELIER JHARKHAND
- XZENT AQUA PVT LTD
- KARVY STOCK BROKING LTD
- APOLLO MUNICH
- JARO TOPPSCHOLARS
- RELIANCE JIO
- CALIBER BUSINESS SUPPORT SERVICES PVT LTD
- HEALTHMAP DIAGNOSTICS PVT LTD
- UNITED TELECOM
- ICICI PRUDENTIAL
- VIVO
- PATANJALI AYURVED
- OUTLOOK GROUP
- MPHASIS PVT LTD
- ASHOKA BUILDCON
- JITM SKILL PVT LTD
- ASSOCHAM
- DAYAL GROUP
- BHANDARI FEEDS LIMITED
- SHIV SHAKTI BIO TECHNOLOGIES LIMITED
- PAN SEED LIMITED
- UNITED PHOSPHORUS LIMITED
- SOCIAL ACTION FOR RURAL DEVELOPMENT
- C 4 MEDIA & COMMUNICATION
- SOCIAL ACTION FOR RURAL DEVELOPMENT
- WABCO INDIA LIMITED
- CALIBER BUSINESS SUPPORT SERVICES PVT LTD
- PRIME AIR NET SERVICES
- MINNOVA DIGITAL SOLUTIONS PVT LTD
- SP WEBCARE
- M/S RDSS INFRA SERVICES
- JMT AUTO LTD
- SPARSH INNOVATORS PVT LTD
- EASTERN ESTATE CONSTRUCTION PVT LMT
- HEALTHMAP DIAGNOSTICS PVT LTD
- MOTILAL OSWAL FINANCIAL SERVICES LTD
- MINNOVA DIGITAL SOLUTIONS PVT LTD
- QUESS DELIVERING GROWTH

***and many more...***

## RESEARCH & DEVELOPMENT

Research and Innovation forms a significant part of our envisaged goals. Our aim is to integrate research & development with academics and encourage our faculty members, research scholars and students to carry on/continue research in their respective areas of interest. The University is focused on interdisciplinary, collaborative and community based research which will help to generate excellent technologies responding to the needs of local, national and global interests.

JRU aims to create a knowledge pool for the State of Jharkhand by serving the needs of diverse communities. JRU continuously strives to provide quality education to its students through dynamic research. The University offers Doctoral programs in six faculties including different subject fields. Our Focus is on high impact research that advances knowledge and its application which is of high international quality and impact.

During the year, 2019-2020, Fourteen (14) Ph.D. degrees were awarded by the University (Table 1).

**Table 1 : Award of Ph.D. degrees during 2019-2020**

Sl. No.	Faculty & Subject	Name of the Scholar	Topic of Research	Date of Final Thesis defense Viva	Date of Notification
1.	Commerce & Management	D V BADVAR	EMERGING TREND OF LOGISTICS MANAGEMENT IN STEEL INDUSTRY -A CASE STUDY OF ELECTROSTEEL STEELS LTD	03-10-2019	30-10-2019
2.	Commerce & Management	RANA SUBHASIS CHAKRAVARTY	CHALLENGES AND OPPORTUNITIES OF CORPORATE SOCIAL RESPONSIBILITY IN PUBLIC SECTOR: A CASE STUDY OF MECON LIMITED, RANCHI	27-09-2019	31-10-2019
3.	Commerce & Management	NEHA GUPTA	A STUDY OF INVENTORY MANAGEMENT IN INDIAN MANUFACTURING INDUSTRY-A CASE STUDY OF BEARING INDUSTRY OF TAPERED ROLLER MANUFACTURE	22-11-2019	09-12-2019
4.	Commerce & Management	JITENDRA NATH BARMAN	WOMEN EMPOWERMENT AND THE ROLE OF SELF HELP GROUPS : A SOCIO-ECONOMIC STUDY IN NORTH 24,PARGANAS DISTRICT, WEST BENGAL	26-11-2019	07-12-2019

5.	Commerce & Management	SOUMYA MOY MAITRA	TOTAL QUALITY MANAGEMENT IN AICTE APPROVED NON-GOVT. MANAGEMENT INSTITUTES- A CASE STUDY OF EASTERN INDIA	01-02-2020	12-03-2020
6.	Commerce & Management	GEETA KUMARI	JOB STRESS AND JOB SATISFACTION IN SOFTWARE INDUSTRIES: A CASE STUDY OF PRIVATE SECTOR IN DELHI/NCR REGIONS OF INDIA	04-07-2020	07-08-2020
7.	Commerce & Management	VISHWA MOHAN SINHA	A STUDY ON RELEVANCE OF PARTICIPATIVE MANAGEMENT SYSTEM -A CASE STUDY	14-07-2020	07-08-2020
8.	Commerce & Management	ANUSHA PRIYA	A CRITICAL EVALUATION OF ENVIRONMENTAL RESPONSIBILITIES AND SUSTAINABLE DEVELOPMENT OF INDIA: A CASE STUDY OF STEEL SECTOR	15-06-2020	01-07-2020
9.	Humanities & Social Science	RAMPRASAD SAMANTA	RABINDRANATH O SARATCH-ANDRER SAHITYE SISHU MANASTATWA	19-09-2019	23-09-2019
10.	Humanities & Social Science	SHYAMAL KUMAR DAS	A STUDY ON RELATIONSHIP BETWEEN ATTITUDE AND SCHOLASTICS ACHIEVEMENTS IN MATHEMATICS OF THE TRIBAL AND NON-TRIBAL STUDENTS OF HIGHER SECONDARY SCHOOLS IN WEST BENGAL AND NAGALAND	20-01-2020	27-01-2020
11.	Humanities & Social Science	SUMANTA KUMAR KHANRA	A COMPARATIVE STUDY OF CAREER PREFERENCE BETWEEN RURAL AND URBAN STUDENTS OF HIGHER SECONDARY SCHOOLS AT HOWRAH DISTRICT	07-07-2020	07-08-2020
12.	Agriculture	LAL RATNAKAR SINGH	DIVERSITY OF WILD PLANTS WITH EDIBLE LEAVES IN JHARKHAND-THEIR SEASONAL AVAILABILITY, METHOD OF CONSUMPTION AND ROLE IN PROVIDING FOOD SECURITY TO TRIBAL AND OTHER COMMUNITIES	13-01-2020	27-01-2020
13.	Science & Engineering	DEBABRATA MAHAPATRA	COMPARATIVE STUDY OF MUNICIPAL SOLID WASTE OF CHAKRADHARPUR AND CHAIBASA ON WATER BODIES	14-03-2020	21-09-2020
14.	Journalism & Mass Communication	PRASHANT JAIWARDHAN	पंचायती राज में मानवाधिकार और मीडिया की भूमिका और संभावनाये	30-11-2019	09-12-2019

Our Research Scholars have published large number of Research Papers in UGC approved Research Journals. Also, they have participated in National/International Seminar/ Symposia / Conferences and have presented Research Papers from their work(s).

Research Department organized Course work examinations for Ph.D. Scholars which was held on 09th of February, 2020.

During the period under report, the following topic(s) were approved for Doctoral Research work by our scholars in different subject fields (Table 2)..

**Table 2 : Approved Research topics for Research Scholars**

Sl. No.	Research Scholar	Faculty & Subject	Supervisor	Research Topic
01.	Pramoda Kumar Behera	Commerce & Management	Dr. Khaleda Rehman	SUSTAINABLE PRACTICES IN INDIAN AGRICULTURE-A CASE STUDY OF SOLAR ENERGY INITIATIVE FOR AGRICULTURE IN BOKARO DISTRICT
02.	S. M. Ejaz	Commerce & Management	Dr. Piyush Ranjan & Dr. Ashfaque Alam	A CRITICAL ANALYSIS OF NATIONAL APPRENTICESHIP TRAINING SCHEME (NATS) AND ITS EMPLOYABILITY ON TECHNICAL GRADUATES: A CASE STUDY OF THE EASTERN REGION
03.	Mradul Kumar Saxena	Commerce & Management	Dr. Khaleda Rehman	CRITICAL STUDY ON SOCIO-ECONOMIC PATTERN OF ORGANIZED AND UNORGANIZED SECTOR WORKFORCE: A CASE STUDY OF RANCHI

# STUDENT CLUBS

Social and cultural activities prepare students for real life and strengthen their personal skills. It has huge importance in a students' life. Social & cultural activities not only help the students to identify themselves with the university, but also assist them to develop themselves in their chosen field along with improving skills such as organisation, presentation, leadership and interpersonal communication.

A student's life within JRU is rich and a wide range of activities are present to tailor all talents and interests. JRU encourages all extra-curricular activities that are both in line with the educational objectives of the institution and meets the needs of the students.

The student clubs within our university are of great significance since they are the main conductors of extra-curricular activities. The student clubs are open to the participation of all students. Students can become members of any club that they desire and participate in activities of these clubs. Moreover, their involvement will in turn enhance their skills and talent within the areas of their interest.

Joining a student club gives an opportunity to foster new friendships, enhancing your academic life, being a team player and exploring career opportunities.

JRU has established SIX students clubs to enhance the overall skills of our students.



**Cultural Club :****Convener:** Anuradha Sharma, Dept. of CS &IT**Member:** Ms. Anshika Tripathi- Diploma. EE & Mr. Faisal Raja, BCA

Year	Month	Date	Name of Club	Name of Event	Activity
2019	April	25.04.2019	Cultural Club	ADIEU	Cultural Event
2019	August	15.08.2019	Cultural Club	Independence Day	Rangoli Making
2019	Aug.	29.08.2019	Cultural Club	Fit India Movement	Oath Taking
2019	Sep.	5.09.2019	Cultural Club	Teachers Day	Cultural Event and Felicitation
2019	Sep.	29.09.2019	Cultural Club	Annual Fest- Goonj	Garba and Dandiya Night
2019	Sep.	21.09.2019	Cultural Club	Quiz O Code 1.0	Quiz Competition
2019	Oct.	31.10.2019	Cultural Club	National Unity Day	Oath Taking
2020	Jan.	25.01.2020	Cultural Club	National Voters Day	Oath Taking
2020	Jan.	25.01.2020	Cultural Club	Swakchata Apne Ass Pass	Poster Making Comp.
2020	Jan.	27.01.2020	Cultural Club	Charcoal Painting work-shop	Painting
2020	Jan.	26.01.2020	Cultural Club	Republic Day	Rangoli Making
2020	Jan.	30.01.2020	Cultural Club	Saraswati Puja	Puja
2020	Mar.	5.03.2020	Cultural Club	International Womens Day	Rangoli &Poster Comp.
2020	Mar.	7.03.2020	Cultural Club	Holi Celibration	Holi celibration
2020	Mar.	11.03.2020	Cultural Club	Stay Home Stay Safe	Poster and Quotes
2020	May.	24.05.2020	Cultural Club	E-Quiz	Online Quiz

**Management Club :****Convener:** Prof. Rashmi, Dept. of Management**Co-convener:** Dr. Abhishek Pratap Dept. of Management

Year	Month	Date	Name of Club	Name of Event	Activity
2019	Nov.	23.11.2019	Management Club	Biz -Spree2019	Management Game
2020	Feb.	28.02.2020	Management Club	Seminar	Career Opportunity in Gov. Sector
2020	March	17.03.2020	Management Club	BIZ-Quiz 2020	Management Game



**Science Club :****Convener:** Raghuvansh Singh, Dept. of EE**Co-convener:** Rajeev Nayan, Dept. of CE**Co-convener:** Sushma Priya, Dept. of Agriculture

Year	Month	Date	Name of Club	Name of Event	Activity
2019	Sep.	15.09.2019	Science Club	Tech Fest 19	Model Exhibition

**Sports Club :****Convener:** Prof. Binod Kumar Mahto, Dept. of CE**Co Convener:** Prof. Kumar Amrendra, Dept. of CS & IT**Member:** Mr. Jasmit Singh, Dip. Ming.

Year	Month	Date	Name of Club	Name of Event	Activity
2019	Apr.	4.11.2019	Sports Club	Krishi Khel 2019	Track and Field
2019	Nov.	20.11.2019	Sports Club	Volleyball Championship	Volleyball
2019	Sep.	14.09.2019	Sports Club	JRU Indoor Game	Indoor Games
2020	Jan.	29.01.2020	Sports Club	Krishi Khel 2020	Track and Field /Indoor
2020	Feb.	6.02.2020	Sports Club	Inter Department Cricket Match	Cricket Match
2020	Jan.	11.01.2020	Sports Club	JRU Staff Cricket 2020	Cricket Match
2020	Mar.	3.03.2020	Sports Club	Inter Department Cricket Match	Cricket Match

**Fine Arts Club :****Convener:** Dr. Prashant Jaiwardhan - Digital Cell**Co-convener:** Soumik Mitra - Digital Cell**Co-convener:** Tarik Murad - Digital Cell

Year	Month	Date	Name Of Club	Name of Event	Activity
2020	Mar.	9.03.2020	Fine Arts Club	Help line number Lanuched	Share your Problem
2020	Mar.	22.03.2020	Fine Arts Club	Janta Kurfew	Janta Kurfew to beat COVID-19
2020	Mar.	24.03.2020	Fine Arts Club	Students Appeal	Break the chain

# MEDIA COVERAGE

## झारखंड राय विवि में फार्मेसी डे पर परिचर्चा

रांची. झारखंड राय विवि में फार्मेसी डे पर शुक्रवार को ऑनलाइन परिचर्चा हुई. विषय था ट्रांसफॉर्मिंग ग्लोबल हेल्थ: इंटरडिसिप्लिनरी चेंजेज, प्रेस्पेक्टिव एंड स्ट्रेटेजीज. मुख्य वक्ता पारस खसिमल एचडसी के डॉ नितेश कुमार, झारखंड स्टेट फार्मेसी काउंसिल के मेबर डॉ रणधीर गुप्ता थे. डॉ नितेश ने कहा कि फार्मासिस्ट को भूमिका बेहद

महत्वपूर्ण है और आज के दौर में वह और भी ज्यादा जिम्मेदारी और दायित्व का कार्य बन गया है. डॉ रणधीर गुप्ता ने कहा कि डिप्लोमा के विद्यार्थियों की पढ़ाई तकनीकी संसाधनों का सहज लेकर काफी हद तक पूरी कर ली गयी है. सर्वव्यवहार बसक ने कहा कि यह संभावनाओं से भरी है. फार्मासिस्ट के रूप में

## झारखंड राय यूनिवर्सिटी : दूसरे दीक्षांत समारोह में 530 डिग्रियां व उपाधियां दी गईं

## समाजोपयोगी शोध कार्य से सोसाइटी में बड़ा बदलाव ला सकते हैं स्टूडेंट्स : अर्जुन मुंडा

समारोह में 26 स्टूडेंट्स को लिए गए गोल्ड मेडल, 2 को चांसलर मेडल



झारखंड राय यूनिवर्सिटी में दूसरे दीक्षांत समारोह में 530 डिग्रियां व उपाधियां दी गईं. डॉ. सेंगर (बाएं) ने डॉ. अर्जुन मुंडा (दरमियन) को गोल्ड मेडल प्रदान किया।

## जानकारी स्टूडेंट्स को टी गयी। जिला पीयर फॉरट में महापंक अतिथि सौम्य कुमार ने स्टूडेंट्स को फॉरट का भ्रमण

राय यूनिवर्सिटी के छात्रों ने विदल फॉरट प्लांट

## जॉब में ईमानदारी और अनुशासन जरूरी

राय विवि में आयोजित बैठक में उपस्थित अतिथि



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## दैनिक भास्कर



राय यूनिवर्सिटी के छात्रों ने जिला पीयर फॉरट का भ्रमण

## प्रभात मंत्र

झारखंड राय विवि दीक्षांत समारोह में 530 छात्रों को मिली डिग्री. बोले केंद्रीय तंत्रिकी के भरोसे न बैठें, खुद से अपना भाव

## आजाद सिपाही

26 डिग्रियां को मिले गोल्ड मेडल

## सतत विकास की राह में सहयोगी बनेगी तकनीक



झारखंड राय विवि में दो दिवसीय अंतरराष्ट्रीय कॉन्फ्रेंस का आयोजन

## राय यूनिवर्सिटी के 11 विद्यार्थियों का चयन

रांची. झारखंड राय यूनिवर्सिटी के 11 विद्यार्थियों का चयन ऑटोमेटिव कंपनी के लिए हुआ है. विद्यार्थियों ने मेरिली मटर सेंस ऑटोमेटिव लाइटिंग इंडिया कंपनी में अपनी जगह बनायी है. चयनित विद्यार्थियों रिजर्चमेंट ऑफ मैकेनिकल इंजीनियरिंग और डिजाइन ऑफ इलेक्ट्रिकल इंजीनियरिंग से डिप्लोमा पास कर चुके हैं. कॉलेज के

## विकास के लिए समाज के हर व्यक्ति से जुड़े

मुख्य अतिथि अश्वरूप राई मुन्शी बरनवाल ने कहा कि युवा पीढ़ी के विकास की दिशा में सामाजिक समावेश, आर्थिक विकास और पर्यावरण संरक्षण को शामिल करना होगा. इसके लिए समाज के हर व्यक्ति से जुड़कर और सहयोग से विकास को नया रूखनी होगी. इस मौके पर यूनिवर्सिटी के रजिस्ट्रार डॉ पीयूष अका प्रसाद और डॉ सुमित राय अतिथि मौजूद थे.

## छात्रों का कैम्पस प्लेसमेंट

विश्वको लॉजिस्टिक्स कंपनी को और से कैम्पस प्लेसमेंट का काम। इसमें कुल चार छात्रों का चयन अतिथि ने किया। इसमें कुल चार छात्रों का चयन अतिथि ने किया। इसमें कुल चार छात्रों का चयन अतिथि ने किया।



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