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"JRU Campus Connect" is a bi-annual newsletter published by Jharkhand Rai University (JRU) to showcase all the happenings in the campus.



MESSAGE FROM THE DEAN

Welcome to JRU and the second edition of our bi-annual newsletter. We hope to keep you in the loop with our vibrant

academic and non-academic efforts. The demand for technology based skills and innovative thinking is on the rise. At JRU we are presently serving 2600 students, enrolled in various curricula which are industry relevant.

Our teaching pedagogy goes beyond the classroom teaching. Students and faculty bonding being our hallmark, we also give great importance to discipline on campus. A particular point to be marked is that the students are involved in workshops, industrial visits and innovative learning experiences to give them an edge to face the competitive market.

We have added Journalism and Mass Communication to our list of courses from 2016 onwards. Agriculture course which commenced in 2015 is well established. Training and Placement Cell looks after the students' placement and trains them for it. A laboratory for the department of engineering has been inaugurated at Rajaulatu, Namkum at the upcoming campus of JRU.

JRU is doing its level best for underprivileged students, specially those from the tribal community. It is a model that should be emulated to fill the gap in non-uniform distribution of quality education.

The 'JRU Campus Connect' gives glimpses of the efforts of our faculty, staff and students towards a non-stop effort in gaining competitive edge for survival and happiness in a competitive world.

I am delighted to see the current issue of JRU Campus Connect, which I believe, may prove to be the path maker by providing an appropriate platform for the technical research pursuers and the budding technocrats.

I also thank the members of the JRU Campus Connect editorial board for bringing this issue within stipulated time limit.

I wish the newsletter and the university all the success.

Warm Regards

Dr. Piyush Ranjan,
Dean (Academics)

Editor's Desk

Welcome to the second edition of "JRU CAMPUS CONNECT". Jharkhand Rai University has been instrumental in imparting knowledge, developing skills and building confidence levels in a great way amongst its students. The faculty is dedicated to this cause by honing their skills and undergoing constant training and research in their respective area of speciality. Our newsletter stands as a mirror in reflecting our constant effort towards this.

Ice breaking session with fresh students, guest lectures, workshops, industrial visits, achievements sports and entertainment made JRU a hub of activities during the last six months. All these activities have been sequenced and compiled into our newsletter. Our goal has been to keep you updated on all the activities in the university.

This issue has the added flavour of "AZADI 70 - YAAD KARO KURBANI", spreading across a fortnight of fun-filled events to mark our Independence Day. It was wonderful to see our students who participated in majority showing their patriotic zeal and living the idea of freedom in all they expressed.

We thank our editorial board, faculty members and all our students for their kind cooperation. We welcome all creative and concrete suggestions from our readers for enhancing our further editions.

Our special request to students and faculty members of JRU to send in their contributions for our next edition which will be published in June 2017. Cartoons, quips and creative writings are also invited to add to its entertainment quotient. Please refer our website www.jru.edu.in for further query.

Best wishes to all our readers in the new year.



Dr. Anita Singh.

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Hybridized Engine

A two-day workshop on Auto Electric IC Engine was organized at JRU campus in association with EDC Cell IIT Delhi and Wingfotech Pvt. Ltd, New Delhi. The whole workshop focussed on the working of Auto Engines, and the role of Mechatronics in the auto sector. The students were introduced to super sports and sports trouser engine type bikes, their chassis types, braking system, use of super chargers & turbo-chargers. The centre of attraction of the workshop was the live demonstration of assembling and dismantling of 4-Stroke IC Engine. 15 students were selected for the grand finale round at IIT, Delhi.



Creative thinking Skills for Sales.

A workshop was conducted in September 2016 on Sales Approach by the Management Club at JRU. The objective was to inculcate the selling skills in the students and develop positive attitude towards sales. It started with imparting basic knowledge about the roles and responsibilities of a sales person. The workshop consisted of various activities to demonstrate various presentation techniques, objection handling techniques and the art of sales closure. The students enacted as customer and sales person and demonstrated the practical aspects related to sales.

Workshop on Arduino Software

Department of EEE organized a workshop on Arduino Software Micro controller for the students. It was held in association with ED Cell, IIT Delhi. Few Projects discussed in the workshop were: Chasing LED, Bluetooth Connectivity through microprocessor, LDR sensor, Infrared Sensor, Object Sensor, Speed Control of DC Motor, Direction Control of a Motor etc.



Grooming today's Youth

A workshop on Grooming and Interpersonal skills was conducted at JRU in September 2016. The objective behind the workshop was enhancement of basic skills for career development. The workshop aimed at orienting the freshers towards corporate culture. It comprised of three different modules on grooming, communication, presentation skills and case studies.



Building the Bridge

A workshop on bridge design based on the software StadsPro, was organized by EDC Cell, IIT Delhi and Wingfotech Pvt. Ltd. New Delhi at the JRU campus. The highlights of the workshop were introduction to the software, software installation, designing and practical analysis. A contest was conducted at the end of the workshop which gave 3 groups of winners who were invited for the final round at IIT, Delhi.

HR – Tools & Techniques

In November 2016, the Department of Commerce & Management conducted a workshop on "Modern Tools and Techniques in HR" for the management students. The main objective of this workshop was to enhance the Managerial Skills in the field of Human Resource Management. Students showed their keen interest in the new methods used in the modern organizations which help them to be an efficient HR Manager in modern challenging environments.

GUEST LECTURES

Next Gen farming : Proper Management of Natural Resources

There was a Guest Lecture organized by the Agriculture Department in November 2016. The guest on this occasion, Dr. D.N. Singh, Chief Scientist and Associate Director, Zonal Research Station, Chianki, BAU, Ranchi, delivered a talk on "Modern methods of Plant Breeding." He gave a detailed talk on the development of high yielding crops and their further improvement. He also focused on how the proper management of Natural Resources: water, soil, nutrient, environment, biodiversity etc. are essential for cultivation. Dr. Singh also discussed about the number of rice varieties developed by him.



Solutions Service Sustainability: Government Initiatives for Robust Agriculture

The Agriculture Department of JRU organized a Guest Lecture in October 2016. The lecture was delivered by Director Agriculture (Jharkhand State), J.S Choudhary. He informed the students about the different schemes that the state government is running to improve agricultural condition in the state i.e Rashtriya Krishi Vikas Yojana (RKVY), National Food Security Mission (NFSM), Pradhan Mantri Fasal Bima Yojana (PMFBY), Pradhan Mantri Krishi Sinchayee Yojana (PMKSY), National Mission for Sustainable Agriculture (NMSA), Agricultural Technology Management Agency (ATMA) Yojana. He also discussed about the effects of modern agriculture on our economy. He talked about the weather abnormalities and the challenges faced by the agriculturists. Mr. Choudhary also explained how agriculture is a highly skilled and scientific endeavour that drives the world's food supply. The students were informed how India, earlier a food deficit country, has now become food surplus country.



Academia-Industry Interfacing



Mr. M.K Gupta, Principal of MSME Tool Room, Ranchi (Govt. of Jharkhand) delivered lecture on the need of industry with various examples. He discussed NSDP “National Skill Development Programme,” initiated by Govt. of India. He elaborated the present scenario of the market on how a person can get a job after commencement of course. He threw light on the different attributes, etiquettes and attitudes required for a professional.

Internet of Things, the future of IT

A Guest Lecture on the burning issue of the IT world “Internet on Things (IoT)” was organized by the Department of Computer Science & Information Technology, in association with EDC Cell, IIT Delhi in October 2016. The students of the department keenly participated in the lecture. It was delivered by Er. Sumit Sharma, certified trainer IIT Delhi. He discussed different aspects of IoT, its significance in the day-to- day life and the future of IoT. Smart City and Automated Mobile Controlled Home modules were the most attractive and informative parts of the workshop.



DD is Public Broadcast



The first semester classes of Journalism & Mass Communication started in August 2016. The department organized a seminar on 'Doordarshan ki Naitikta' in October. Shri P.K.Jha, Director of Doordarshan, Ranchi explained the objective and scope of Doordarshan Journalism. He also praised JRU for starting Journalism & Mass Communication course in Hindi.

Captivating Talk on Clean Coal Technology

Dept of Mining & Engineering JRU, organized a lecture on "Clean Coal Technology" by Shri B.N. Prasad, Ex- General Manager & Ex- Advisor, CMPDI Ranchi. Shri B.N. Prasad emphasized the need of clean coal technology to minimize global warming. He delivered a lecture on coal bed methane, coal mines methane, underground coal gasification and shale gas Mining. Mr. Prasad also informed the audience about the success of Monidih coal bed methane mining project of BCCL.

Thirst for knowledge on Water Management Quenched

A seminar was conducted for the students of Civil Engineering Department in October 2016. The guest on the occasion was Prof Kallol, Advisor of Jharkhand Foundation. He talked on water management in Jharkhand and also threw light on water security, sericulture, medha milk, landscaping and scarcity of water to be apprehended in Jharkhand in future. The lecture encouraged students towards rural development and social upliftment of the society.



Insight to the making of Foundation



The Department of Civil Engineering JRU, arranged an industrial visit to High Tension Tower and Foundation, DVC (Govt. of India), Madhukam, Tatisilway, Ranchi. The visit was organized for engineering students in October 2016. It was a great learning experience for the students about different types of foundation and their processing.

An Experience of Splendid Data Transfer

An Industry visit to M/s. NSL Computers was organized for the final year students of Computer Science & IT in November 2016. The objective of the visit was to expose the students to the working of IT Data Centers. The visit was organized by the department under the guidance of Mr. Niranjana Kushwaha, Data Center Administrator cum Network & Security Admin, JAP-IT. The students learnt centralised data management. It was a surprise for the students to experience a high data rate in the range of GBPS through OFC arrangement.

Connecting to Real World of Industry



Industrial visit to one of the most reputed company HEC, Ranchi was organized in October 2016 for Mechanical Engineering students. Mr. Bijendra Singh (Safety Officer) demonstrated the manufacturing process and products of HEC. The primary focused units were "Heavy Machine Building Plant" and "Foundry Forge Plant". HMBP includes India's biggest lathe machines, CNC machines, milling machines etc. FFP includes heat treatment, casting, forging etc.

KGVK Agro, Rukka - Trending Agri-business in Jharkhand

Students of Agriculture Department JRU, visited KGVK Agro Limited, Rukka, in November 2016. Students learnt the cultivation practices of aromatic plants namely, Pink Pepper, Patchouli, Lemon grass, Citronella and Vetiver which are natural sources of base oil for perfumes and the method of base oil extraction. These aromatic plants are especially suitable for cultivation in Jharkhand and could be a source of increase in income for the farmers. Students were briefed about multipurpose farm implements manufactured at KGVK Agro. They had a real time experience of different techniques in the Dairy Processing Plant.



Micro-propagation : Modern Nursery



An educational visit to the College of Biotechnology, BAU was conducted in October 2016. Students of Agriculture Department JRU, visited the research cum production laboratory of the plant tissue culture department of the institute. Students learnt the various techniques followed in the laboratory. They observed the various stages of the micro-propagation of banana and sugarcane plantlets in controlled culture conditions. They experienced the effort and skill required for any successful micro-propagation. This visit worked as the beginning of the scientific expedition in field of agriculture.

Exposure to Modern Trends of Agriculture

Students of Agriculture Department JRU, visited BAU in October 2016. They visited Bio-Control Laboratory, Mushroom Cultivation Unit and Rice Experimental Area. In Bio-Control Laboratory, they learnt the method of preparation of Trichocard. They also learnt different steps involved in the mass multiplication of Trichogramma on *Corcyra cephalonica*. In Mushroom Unit, the students themselves did spawning of Oyster mushroom after filling poly bags with cut- pieces of rice straw. They were made familiar with the button mushroom of the temperate region. They were also introduced to paddy straw mushrooms and milky mushrooms of tropical region. The students also visited rice experimental area of the Directorate of Research and learnt hybridization technique in rice.



Sericulture : Silk Farming

As an educational tour, Students of Agriculture Department JRU, visited Central Tasar Research and Training Institute, Ranchi in September 2016. Students came to know about silkworms and methods of silk production. They had a glimpse of different types of silk i.e mulberry, tasar, eri, muga; out of which mulberry silk contributes about 90% of the world's production. The students went around the field to watch where the worms were planted. They also learnt the commercial aspect of silk.



Industrial Visit at Sikidiri Hydro Power Plant

The Faculty of Science and Engineering JRU, organized an Industrial visit for the students of engineering Final Year at Hydro Power Plant having capacity 64 MW at Sikidiri, Ranchi in December 2016. The objective of this visit was to gain information regarding generation and functioning of Hydro Electric Power Plant. Er. Gaurav demonstrated functions of all the equipments present there. Students were exposed to the working of modern machines such as UAT Transformer, Turbine, Permanent Magnet Generator, Bus Duct, Potential Transformer, Servo Motor, Hydro Cooler etc. and construction about Canal and Hydro Power Plant.



SEBI trains on Portfolio Management



SEBI is apex regulator of capital markets. Hence our students were keen to get an insight about the functioning of SEBI. The visit to SEBI was scheduled for management students in October 2016. The session was conducted by Investor Awareness cell of SEBI. The session was addressed by Mr. Gyanendra Niraj, Mr. Rajeev kumar and Md. Shahid. The key take away from the session were

- The role of SEBI in the complex world of capital markets.
- The initiatives SEBI takes to safeguard the interest of retail investors.
- SEBI ensures the managements' credibility before permitting any IPO in the market.
- The speakers briefed about the mutual fund, pension fund & insurance funds and micro finance.
- The speakers interacted with the students about the recent cases of frauds & financial mismanagement in the corporate world.

The students understood the broader horizon of financial services & the possibilities of career opportunities in this domain.

Expedition to Underground Coal Mine

The students of Mining Engineering visited Ray Bachra, Piparwar Area, CCL. The trip was mainly for gaining knowledge about the method used for extraction of coal. Students also had the privilege of observing various underground machineries such as LHD, SDL, Road Header, bolting machines, haulage system etc. It was a beneficial and effective educational tour.



Tsunami of Technobytes

Engineer's Day (Birth Anniversary of Dr. M. Vishweshwaraiya) was celebrated in September 2016. A Science Exhibition was organized by JRU Science Club. The theme of this event was "Eco-friendly technological innovation and advancement". Few projects like Automatic Wheel Chair for handicapped, Drone, Bottle Farming and Sustainable Irrigation, Pink Farming etc. were the points of attraction. Other remarkable projects were Library Management System, Online Shopping, Know your knowledge IQ games, Online Tuition / Coaching website, Online booking of Bikes and Digital blogging.



Swachh Bharat Abhiyaan : A vision or a mere Photographic Pose!

An awareness campaign and a few events related to Swachh Bharat Abhiyan, were organized by Management Club in October 2016, JRU. The different events included Poster making, Slogan making, Debate, Skit, Pledge Ceremony and Campus Cleanliness Drive where almost 1000 students participated. The winners of the different events were felicitated for their achievements.



Games Without Limit!!!



“Games without Limit,” an Inter College Business Games competition was organized in September 2016 for the students of Commerce and Management Discipline. The competition comprised five rounds, out of which, four were elimination rounds. These rounds were mainly business games: management Jargons, Industry name game, Beat the Beads, AD-MAD and Case Study. Around 50 students from different colleges and institutions in Jharkhand participated in the event. They were allotted different teams namely Zenith, Flyers, Titan, Achievers, Tycoon and Instinct. The winners of the “BIZ-Spree16”, were from JRU, CUJ, and Marwari College, securing the 1st, 2nd and 3rd positions respectively. Students and Faculties of different colleges appreciated the efforts of Management Club for organizing such events. “ BIZ- Spree 16”, was a grand success!

Induction & Orientation 2016

The orientation program is designed to support new students as they begin their journey at JRU. During the course of the program, JRU gradually introduces new students to life at the University, from academics & other communities.

The Ice breaking session was conducted by the ‘Program Office’ of JRU that explained the students about their career & course prospects, rules & regulations, mentorship program, introduction to various students club’s at the campus, anti ragging rules & anti sexual harassment rules. The Exam Cell of JRU also conducted a session to explain the students about credit & evaluation system. Library & Lab. supervisors took their respective sessions to explain the rules and regulations of their respective departments.

There were eminent personalities from the industry and academia who also addressed the students during this two day session which includes the following:

- Mr. A.D.Wadhwa, Sr. Manager(Finance), Central Coalfield Ltd.
- Prof. (Dr.) Nibha Bara, Agriculture Ext. Education, Birsa Agriculture University
- Dr. S.F.D’Souza, Scientist, Bhaba Atomic Research Center, Mumbai.
- Mr. Guru Charan Singh, Advisor, Bhaba Atomic Research Center, Mumbai.
- Mr. Nand Kumar Yadav ‘Indu’, Vice Chancellor, Central University of Jharkhand, Ranchi.
- Mr. Ashwini Kumar, Motivational Speaker.
- Mr. Shivesh Kr. Singh, Zonal HR Head (North, East & Central India) , L&T Finance Ltd.



AZADI 70 - Yaad Karo Kurbani

JRU conducted a fortnight long programme involving the faculty members and students to focus on the theme of "YAAD KARO KURBANI" recalling the martyrs in their struggle for our National Freedom.

A sequence of innovative and highly motivational events were successfully organized to mark the Independence Day 2016 namely patriotic songs/dance, freedom run, azaadi quiz contest, collage making, rakhi making, speech & poetry recitation, volley ball match, rangoli making, greeting card designing for soldiers at the border, theme based skit, slogan writing and poster designing. The curtain drew on the fortnight flurry with mass Singing of the national anthem. AZADI 70 left an indelible mark of patriotic pride in each of our hearts.



Jalsa : The Dandiya Elegance



Independence Day 2016



Abhivandan – 2016 (THE FRESHERS PARTY)

The Winners :

- Mr. Fresher - Mayank Singh
- Miss. Fresher - Kumari Tannu
- Mr. Style Icon - Akash Kumar
- Miss. Style Icon - Devyani Kumari



About Jharkhand Rai University

Jharkhand Rai University (JRU) has been established under "Jharkhand Rai University Act, 2011" by Jharkhand State Legislature. Our aim is to create a knowledge pool for the state of Jharkhand by serving the needs of diverse communities. Jharkhand Rai University continuously strives to provide the highest quality of education to its students through dynamic research, rigorous training and efficient mentors. Jharkhand Rai University offers Diploma, Undergraduate, Postgraduate degrees and Doctorate in different disciplines.

Located in the serene city of Ranchi, JRU is characterised by a tradition of innovation, novelty and research. We aspire to be a vibrant academic community with a focus on teaching and learning. Our faculty members are unique and exceptional in their own ways. They are experts in their fields and professionals in their own right who bring creativity, ingenuity and resourcefulness into the classrooms. At JRU, they can enjoy diverse opportunities for intellectual, personal and professional growth because we believe in fostering pioneering minds and nurturing intellectuality and individuality. We endeavour to create the best possible learning environment for our students and are committed to the cause of making higher education accessible to all irrespective of caste, colour or creed. We believe education is one of the primary agents of transformation towards development and plays an important role in bringing benefits by developing the skills of the people. We do understand the fact that infrastructure and other basic amenities are integral part of an institution and therefore consistently try to enhance both teaching and learning in an ambience that is not only well designed and well equipped but secure and comfortable as well.





Faculty of Science & Engineering

Undergraduate Programme

Courses : B.Sc. Agriculture

Eligibility : 10+2 in Science from any recognised board.
Duration : 4 Years

Courses : B.Tech. (Food Technology)

Eligibility : 10+2 (PCM) from recognised board.
Duration : 4 Years

Courses : B.Tech. / B.Tech. (Lateral Entry) / B.Tech. Biotechnology

[Mechanical, Civil, Electrical, IT & Computer Science]

Eligibility : 10+2 (PCM) from recognised board.
Duration : 4 Years / 3 Years

Courses : Diploma in Engineering / Diploma in Engineering (Lateral Entry)

[Mechanical, Civil, Electrical & Electronics Engineering & Computer Science]

Eligibility : 10+2 (PCM) or 10+2 (Vocational) or ITI from recognised board.
Duration : 3 Years / 2 Years

Courses : Diploma in Mining Engineering

Eligibility : 10+2 in Science from any recognised board.
Duration : 3 Years

Postgraduate Programme

Course : M.Tech. (Research)

Eligibility : B.Tech/B.E/MCA or its equivalent.
Duration : Minimum 3 years

Faculty of Computer Science & IT

Undergraduate Programme

Courses : BCA

Eligibility : 10+2 (PCM) from any recognised board.
Duration : 3 Years

Postgraduate Programme

Courses : MCA / MCA (Lateral Entry)

Eligibility : Graduation / BCA or its equivalent from any recognized University.
Duration : 3 years / 2 Years

Faculty of Commerce & Management

Undergraduate Programme

Courses : BBA

Eligibility : 10+2 from any recognised board.
Duration : 3 Years

Postgraduate Programme

Course : MBA

Eligibility : Graduation or its equivalent.
Duration : 2 Years

Faculty of Journalism & Mass Communication

Undergraduate Programme

Courses : B.A. (Journalism & Mass Communication - Hindi)

Eligibility : 10+2 from any recognised board.
Duration : 3 Years

Key Highlights

- Sprawling campus in Ranchi. Wi-Fi enabled, well equipped Engineering Labs, Workshops and Computer Labs.
- Industrial visits and Guest lectures by eminent speakers from industry and academia.
- Separate hostels for boys and girls with all recreational facilities.
- Special emphasis on Soft Skills and Extra Curricular activities through events, seminars, social work, etc.
- Curriculum based on overall development through professional training and individual mentoring.
- Free Spoken English classes for all students.

Hindustan Fresh On Campus

Hindustan Fresh On Campus organized by Hindustan News Paper and JRU Cultural Club in October 2016.

The Winners:

College Ka Pulse -

Simran Gupta, Department of Commerce & Management

Mr Engage -

Shagun Soren, Department of Commerce & Management

Miss Engage -

Swati Kiran, Department of Science & Engineering.



Vishwakarma Day



Vishwakarma day was celebrated in September 2016 at JRU by all staff members & students at their campus.

This day was also marked for the inauguration of the JRU's new Workshop & Laboratory situated in its upcoming campus at Raja Ulatu, Namkum, Ranchi by Hon'ble MLA of Khijri (Jharkhand), Shri. Ram Kumar Pahan.

A special function was organised to mark the birth anniversary of Ramdayal Munda, Former VC, Ranchi University at Aaryabhatt Auditorium Ranchi in August 2016. The function was organised by Dr. Ram Dayal Munda's troupe for culture conservation and practice. Governor Draupadi Murmu was present as the chief guest at the event. Various cultural artists presented vivid and colourful events to honour Ramdayal Munda. People from distant places participated in the event to celebrate. More than 50 tribal students under the guidance of Cultural Club Coordinator, participated in various events of RUMBUL like Painting, Photography, Tribal singing, HO and Mundari Dance. All the participants from our university danced in colourful cultural costumes to the traditional musical instruments.

RUMBUL 2016



Teacher's Day

Birth anniversary of Dr. S. Radhakrishnan was inaugurated by Dr. Piyush Ranjan, Dean Academics, JRU followed by cake cutting. The students performed on stage exclusively for teachers inspite of the rains. The whole campus looked festive with decorations on the eve of Teacher's day. It ended with a vote of thanks from the Cultural Club.



Adieu - 2016

Adieu 2016 was an incredible evening organised by Cultural Club students, to bid farewell to senior students. The programme started with a prayer followed by messages from the Dean Academics and other dignitaries. Students performed songs, skits and dances. Each senior student received a momento. Adieu closed with the best student award from every department.

SPORTS

Rapid Chess Championship - 2016



In September, 2016, Sports Club organized Rapid Chess Championship in which 32 players participated from different courses. Tournament started on 6/09/16 and the final was on 15/09/16, 2nd Runner up - Mantosh Vishwakarma , 1st Runner up - Gaurav Shandilya and Winner - Gulam Gaush.

The Career Management Cell (CMC) of Jharkhand Rai University, from employability point of view takes several initiatives to meet the challenges of professional career. CMC is designed to bring mutual tie up with industry and the university. This is made possible by sincere effort and continuous interaction with the industries - national, multinational or global. The CMC keeps information about the potential job opportunities and enables students in making prudent decisions for their future career. The cell serves the purpose for arranging the industrial training for the students in different industries and also providing ample opportunities for campus interview to facilitate proper placement in different companies of repute. Recently some of JRU students were shortlisted in a Job Fair held on October 22nd, 2016. Our Students were also shortlisted in an interview for Ground Staff in Indigo on November 12th, 2016 whose results are awaited. A Unit of TCS under the edges of Ignite Open also had an interaction session (Pre Placement Talk) with the final year students on November 12th, 2016. On November 30th, a leading company Raisons Udyog Group of Companies placed four students from MBA and two students from B.Tech(Mechanical Engineering).

Apart from recruitment CMC has sent over more than 1300 students to the leading industries and mines (CCL, UCIL, SECL and many more) for industrial training/ summer internship where they went through rigorous preparations.

Few of our Trainers & Recruiters...



and many more...

Job Searching Strategies: Winning Steps For Success



Prof. Trisha,
Faculty of Commerce & Management

A job consists of duties, responsibilities and tasks which are performed by an individual in an exchange for pay. As per research, 5 million graduates pass out every year out of which approx 1.5 million are engineers, 3 lakhs are MBA graduates, 5-6 lakhs are IT/computer engineers and others. It is quite unfortunate that out of 5 million professionals, very less percentage are employable. A fifth to a third of the millions of graduates risk being unemployed. One of the reasons behind this is the lack of proper soft skills and job searching strategies. Mentioned below are winning Job searching strategies which an individual must go through to identify himself/herself with his/her job or role and glean motivation from its distinctiveness or practicality:

- Describe your preference: As you begin looking for a job, make a checklist of your, skills, achievements, interests, goals, experiences, values, time commitment, location, and personal expectations (pay rate, job roles and responsibilities, career growth, its linkage with your long-term goal). To aid with your application must conduct research on employer to answer some of these questions.
- Recognize your Skills and Abilities: Identify and improve your learned or transferable skills which you have learned during your internship, classes, hobbies and other skills.
- Focus on the right target: Try to link your skills, interests and personal expectations with the right choice of career. Conduct a research on various fields which match your choice.
- Use job search portals: There are several job portals and links like indeed, timesjob, naukri, shine, careesma, monster, etc. that can help you to find the preferred jobs for you. Make and update your profile more oftenly to remain assertive to the potential employers.
- Resume and Cover letter: Prepare a perfect resume and cover letter to apply for jobs. It plays a vital role when you present yourself in front of employers. While attending any Walk-in, job fairs or inquiring about any job you must carry your updated resume and cover letter along with you.
- Remain Anxious: Don't wait for the opportunities to knock at your door, do cold calling to the potential employers; it acts as one of the powerful strategies.
- Social Networking Sites: There are few professional social

networking sites like linkedIn, Pinterest, etc. you must take the advantage of. Update your resume and get connected to the employers.

- References: Build a good relationship with the people you feel can help you to link with potential employers. Keep in touch and send seasonal greetings to them.
- Employment agencies: Good and specialized employment agencies can be one of the best sources to get your preferred jobs. Recognize and get registered with those agencies.
- Don't say 'No': Short term jobs are a gateway to gain experience, learn skills, and earn money while looking for a permanent position. Don't try to say 'No' to the first job but only when the targeted jobs have at least 75% of the stated qualifications.
- Contact Companies directly: Check the updates for the recruitment and try to contact the companies directly via mail, phones or in-person. Post your resume with cover letter to the company's website.
- Keep Records: Keep careful records of applied jobs, interview faced, references, employment agencies and communication with people to do follow-up actions.
- Be determined: Always keep a positive attitude and keep yourself motivated. Since it is a difficult task, you may feel disheartened but don't lose hope and see this as an exciting challenge.
- Practice Job Interviews: 'Practice makes a man perfect' a very true saying. Hold mock interviews with your family and friends. You can also rehearse in front of mirror.
- Keep yourself Updated: Always keep yourself updated with the current market scenario. Read newspapers, watch news channels and google the updates related to your field.

Job searching isn't just about applying for jobs

and hoping to get called for an interview anymore. You should put your **100% effort** and you will definitely achieve a good position in your life.

Management Education in India needs to turn Global



Prof. Roshan Kumar,
Faculty of Commerce & Management

Introduction

Management education in India is at the threshold of paradigm shift in its approach and academic process. It exemplifies a strong conviction to come out of its age old shell to become truly global. The globalization of Indian management education is the need of the hour.

Management education across the globe is facing a unique crisis of relevance in the contemporary scenario. Various aspects of Business education has to be quality oriented. According to latest survey (CLSA), the size of Indian management education market is worth US \$750 million and expected to close around US \$2000 in near future. The cumulative demand for MBAs/ PGDMs during the five year plan (2010-2014) period is estimated to be about 1,350,000 but the potential number of pass-outs from the existing institutions during the same duration is expected to be around 750,000 only.

Role and Importance of B-School

- To provide the interested students, a well-structured formal management education delivered in a holistic manner.
- To keep pace with the renewed industry expectations
- To develop leadership skills
- Understanding the role, responsibilities and purpose of business
- Thinking critically and communicating clearly

Major Challenges in Management education in the Era of Globalization

Now the time has come to examine the major issues that need to be addressed if management education in India has to improve at all so that the present managers can respond to the challenges of global Competition effectively. The need of the hour is to

- Ensure Quality Faculty.
- Promote Research Culture.
- Implement Faculty Development Programmes.
- Develop reading materials relevant to Indian Context.
- Develop interaction with Industry.
- Evolve a proper system of Accreditation & Rating.

Suggestions and Recommendations

In order to see that the efforts for globalizing Indian management education remain successful, the following suggestions and recommendations are advised:

- The degree be awarded as an acceptance of the incumbent's professional qualification to match the global requirement
- To provide flexibility and better time utilization, online lectures as well as examination should be arranged.
- In order to assess one's job potential, the programme should also help students identify international opportunities and access to emerging local and global markets.
- To ensure that at least 25% of the curriculum deals with international subjects like international economics, International Marketing, International Financial Management or international Business Management etc.
- The Business schools must admit international students to their programmes. The Indian management institutes are the only ones with little participation from abroad.
- The B-schools should induct few faculty members from foreign soil & provide an opportunity to the students to listen to the culture and system of the business enterprise running abroad.
- The B-schools should provide an active programme for students & faculty exchange with the developed nations.

Dr. S. P. Singh



- Honoured as the chief guest in the silver jubilee celebration of Veer Kuwar University, Ara, Bihar on the 22nd Oct, 2016.
- Special guest in the national seminar on “Skill Development” on 22nd Nov, 2016 organized by confederation of Indian industry in Hotel BNR Chanakya, Ranchi.
- Honoured as the chief guest & delivered lecture on “Microwave Engineering and Antenna Design” at CIT, Ranchi organized by TEQIP of World Bank on the 20th Sept, 2016.
- Delivered lecture in the Aryabatta Auditorium of Ranchi University, Ranchi on the Teacher’s Day and honoured by the Vice Chancellor.
- As a resource person delivered lecture on “Sustainable Development” in Jamia Millia Islamia (Central University) on 11th Aug, 2016 at New Delhi.
- Delivered lecture on “Disaster Management in Human Resource Development Centre” in Ranchi University on 24th Jul, 2016.
- As a resource person delivered lecture on “Issues in University Administration” in Jamia Millia Islamia (Central University) on 25th Nov,2016.

Prof. N.K.Roy



- Attended the National Seminar on Climate Change and the Environment (An Indian Perspective) and chaired the technical session at CIT under TEQIP in the month of June,2016.
- Attended the National Seminar on “Achieving Water Security in Jharkhand” and chaired the technical session on 4th September, 2016 at IE(I),Ranchi.
- Honoured as chairman in the seminar on “Dobha” 15th September, 2016 at Engineer Bhawan, IE(I), Ranchi.
- Special invitee to attend the International Conference on “Evolution in Manufacturing” at BIT, Mesra on 12th November,2016.
- Addressed a one day seminar on the topic “Emerging trends of treated water testing and treatment in Jharkhand” at Hotel Radisson Blue on 30th Novemeber,2016.

Dr. Ekbal Rashid



- A paper titled “R4 Model for Case-Based Reasoning and Its Application for Software Fault Prediction” published in “International Journal of Software Science and Computational Intelligence (IJSSCI)” (ISSN: 1942-9045 | EISSN: 1942-9037) Volume 8 Issue 3, IGI Global, USA in the Month of Nov, 2016 (ACM digital library).
- A research paper titled “Software Fault Prediction Using Unsupervised Learning Technique: A practical Approach” was published in “International Journal of u- and e- Service, Science and Technology” (ISSN: 20054246) Volume 9 Issue 11 in the month of Nov, 2016 (SCOPUS Indexed, South Korea).

Prof. Roshan Kumar



- A research paper titled “Impact of Exchange Rate Fluctuations on Pharmaceutical Industries Stock Prices in India” was published in Management Insight (0973-936X; EISSN 2456-0936) Volume 12 No. 1st Issue of June 2016.
- A research paper titled “Relationship among Exchange Rate and Stock Index an Evidence of NSE” was published in PIMT Journal of Research (PIMT) (ISSN 02278-7925) Volume 8 No. 1. Published in the month of May 2016.

Prof. Sudhanshu Maurya



- A paper titled “Security & Privacy aspects of Mobile Cloud Computing using Quantum Cryptography” was presented in 2nd International Conference on Computers and Management (ICCM) 2016 conducted on December 28-29, 2016. The conference was organized by California State University, USA & Rajasthan Technical University, Kota.
- A paper titled “A Novel Method for Secured Cloud-Health-Care-System” was published in “International Journal of Control Theory and Applications”, (ISSN : 974-5572) Volume 9 Issue 17, SCOPUS Indexed with H Index : 9 and was also presented at the “International Conference on Sustainable Computing Techniques in Engineering, Management and Science” on 9th - 10th, September 2016. The conference was organized by Universal Research Group on Computers and Electronics Engineering (URGCEE), Atlanta, USA in Noida (U.P).
- A paper titled “Universalization of Information Technology: A Cloud Computing Framework” was published in the International Journal of Computer Engineering and Applications (ISSN : 2321-3469) Volume 10, Special Issue ICRTCST-2016.

Prof. Leena Shrivastava



- Attended a refresher course of Commerce and Management in the month of May-June, 2016 conducted by UGC - Human Resource Development Centre, Ranchi.

Dr. Vikas Sinha



- Registered as a member with ‘The Institution of Engineers (India).
- Presented paper on “Smart City and Solid Waste Management” in a seminar conducted by TEQIP under UGC & MHRD, Govt. of India (ISSN No. 0973-7057) Volume 11(2) in the month of June, 2016.

Prof. Amrita Majumdar



- A paper titled “Role of Effective Human Resource Management Practices on Psychological Contract in Private Universities” was published in BBIT Journal of Management (ISSN No. 2394-7233) Volume 2 Issue 2, July 2016.

Dr. Neha Keshari



- A Research Paper titled “Impact of Reduced Scale Free Network on Wireless Sensor Network” published in SCI indexed International Journal “Physica A: Statistical Mechanics and its Applications (Elsevier)” (ISSN No. 0378-4371) Volume 463 in the month of Aug, 2016.

Prof. Sanjeev Srivastava



- A paper titled “Indo-Anglian Drama & Criticism; Coming of Age” was published in the journal named “Laksya” (ISSN No. 2395-0862) Volume 1 & was also presented at the National Conference held on May 11th & 12th, 2016 at Yogada Satsang College, Ranchi sponsored by Ranchi University, Ranchi.
- A paper titled “Professional Ethics; Special Focus on Ethics in Teaching Profession” was published in the journal named “Laksya” (ISSN No. 2395-0862) Volume 2 & was also presented at the National Conference held on July 15 & 16, 2016 at Yogada Satsang College, Ranchi sponsored by Ranchi University, Ranchi.

Farming is possible without Soil and Sunshine : Aeroponics



Madan Kumar | B.Sc (Agriculture)

According to the UN estimates, by 2030 half of the world's population will be over eight billion, of which over half will be living in cities. Worldwide growth of cities and the increasing scope of activity will reduce the cultivating land and will decrease level of ground water. Accordingly, some scientists are trying to develop such innovative technology as Aeroponics. This is a technique where cultivation is done without sun and soil using the least amount of water. 'Aeroponics' has got initial success in this direction as well.

World's growing population, shrinking cultivation-land and declining ground water level resulting from environmental problems, the 'Aeroponics Technology' indoor is introduced. Growing plants through Aeroponics, so far has been very limited in scope, but now US Company 'Aero Farm' with nearly 69000 square feet in New York, a widespread area in New Jersey, will be testing this new technology. The 'Hydroponics' (cultivation without soil and extremely low water-based process) technology has also been used. Through this technology, in addition to the delicious and long green vegetables like cabbage, edible medicinal plants such as hyacinth and basil will also grow.

How does Aeroponics work?

Aeroponics is a method of growing plants in the absence of soil using atomized water solutions. The main type of aeroponic system is a board with holes drilled at regular intervals across its surface. Plants are allowed to germinate before being placed in the holes and sealed with foam rubber. The upper structures of the plants grow above the surface while the roots are enclosed in a root chamber located below the board. The root chamber is designed to protect the roots from light and physical damage. The chambers also contain the water-based solutions used to nourish the plants. The water is pumped from the reservoir into nozzles that distribute the nutrient solution to the root structures at regular intervals. Liquid that is not used drips back into the reservoir.



Indian Agriculture : from Subsistence to Surplus

Sumeet Yadav | B.Sc (Agriculture)



With rising concern to meet the growing demand for diversified food of the increasing population, food security has been the top priority on the policy agenda. Over the years, despite the decline in its share in the GDP, agriculture continues to be important in the Indian economy for food security, employment generation and poverty reduction.

In a recent IFPRI discussion paper on changing sources of growth in Indian agriculture, the authors have shown how the policy shift over the past three decades {1980/1981-2009/2010} have stimulated patterns and sources of agricultural growth in India. They have also evaluated the implications for reasonable priorities for sustainable and inclusive growth.

Since 1995 /1996 policy makers have been targeting to achieve 4% growth for the agricultural sector, but it has been fluctuating over/under 3% since the last two decades. P S BIRTHAL, Principle Scientist at the National Center for Agricultural Economics and Policy Research (NCAP), highlights, that in the 1980's technology was the main source of growth which was followed by crop diversification in the 1990's. The price effect that emerged as strong factor in the 1990's also faded in the following decades, with technology re-emerging as an engine of growth in the 2000's.

Over the time it was observed that agricultural policies in India, have been cereal – centric especially in wheat and rice. But with change in consumption pattern, income growth and improved infrastructure, the shift towards high value crops played an important role in cushioning agricultural growth. Examining spatial decompositions of growth – the Northern region followed technology-led growth ladder, while the Western and Southern regions relied more on diversification in their growth strategy.

Learning from the past, evaluating the present for the future food security of the country, we can evaluate that-

1. With limited land available for cultivation, sustainable intensification and diversification of agriculture are the options to accelerate the agricultural growth.

2. Investment in agricultural research and strengthening of service delivery systems are crucial for future improvements in yield of grains and horticulture crops.

3. There is limited scope for sustaining price-led growth in the long run. Investments in markets and infrastructure such as roads are necessary to reduce marketing and transaction cost. This will directly benefit the small farmers.

4. Opportunities for small farmers to increase income and escape poverty lie in diversification towards high value crops.

IFPRI's, P K Joshi, stresses that, "the sustainable agriculture growth must come from technological change and diversification towards high value crops." Dr. Joshi, emphasizes that, "both central and state governments need to take corrective measures to increase investments in agricultural research, and create favorable business environment through enabling policies towards high value agriculture."



Kitchen Garden : Fresh Farm Fun

Students of Department of Agriculture, have utilized a piece of the university enclosure and turned it into a lush green oasis of organic delight .This kitchen garden boasts cabbages, tomatoes, radishes, carrots, green peas, spinach, green grams, cauliflowers, green chillies, broccolis, French Beans, cow peas and a many other winter vegetables at present. Students have done Mulching (plastic sheeting)to the soil for conserving moisture and improving its fertility and over all health. This fun farming is proving a hands-on-experience for the students of agriculture.



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Name : Prabhat Mahato
EnrolementNo : DE/ME/L/14/180
Course : Diploma VI(ME-B)



STUDENTS *SPEAK*



Neetish Kumar (B.Tech VIth Semester, Civil)

As a student of JRU, I am nourished with discipline and education. It gives me a platform to develop my skills and thus I can proudly face competition in future. The world class education system, digital library and labs nurture future in the right direction.

Santosh Kumar (B.Sc Agriculture IIIrd Sem)

Experience at JRU have been wonderful and enriching.. The campus itself feels like home. JRU campus acted as a source of motivation for me, and consists of all the necessary amenities which are useful for my overall development. I appreciate the work the university is doing in shaping my career.



Kumar Rahul (Diploma in Mining Engg. IIIrd Sem)

The first thing I noticed here at JRU was the bonding between professors and the university students. They treat students with utmost understanding. The university conducts many events inside the campus which make our lives informative and enjoyable.



Abhishek Saha (B.Tech Vth Sem, Mining)

JRU is a wonderful place not only for studying and gaining knowledge but also for meeting new people from different backgrounds. JRU has not only helped us in being ready for the competitive world but also helped us in understanding our strength and our weakness.



MOHAMMAD. ADEEB (MBA IIIrd Semester)

My experience at JRU, has taught me to be vocal on right issues. A friendly environment here has helped me grow on my talents and skills. I appreciate the helpful attitude of the teachers and feel proud to be a student of this University.



Manisha Ekka (MBA IIIrd Semester)

At Jharkhand Rai University, I have experienced a very friendly environment. The faculties are well qualified. The different activities apart from classroom lectures enhance our skills and talents.



KUNAL PRASAD (MBA IIIrd Semester)

JRU has enhanced my life in more ways than one. The academic rigor and extra-curricular activities to which we are exposed are widening my intellectual horizons, polishing my managerial skills and shaping my personality to be relevant to today's corporate world.



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