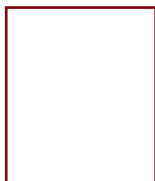




I. VICE CHANCELLOR'S COMMUNIQUÉ



Anarendra Narayan Misra



I. CENTRAL UNIVERSITY OF JHARKHAND – AN OVERVIEW

The Central University of Jharkhand came into being under the Central Universities Act, 2009 promulgated by the President of India on 1st of March 2009. The above Act envisages establishing and incorporating Universities for teaching and research in the various states. The Central University of Jharkhand started with a vision to specially focus on relevant present age educational drives with an emphasis on research in cutting-edge technologies

A. A Great Starting Location

The present campus of the University is located at Brambe, a 25 kilometer drive from Ranchi City. It is a beautiful and vibrant green campus, with its classrooms and hostels blending well with the environment.

The city of Ranchi is the educational hub of Jharkhand with many prestigious schools, colleges and institutions of higher learning like the Ranchi University, Birla Institute of Technology-Mesra, National Institute of Foundry Technology, Central Institute of Psychiatry, Birsa Agricultural University, Indian Institute of Management, National University of Law, etc. spread in and around the picturesque capital city.

B. Permanent Campus

The Govt. of Jharkhand has transferred 319.28 acres of land to CUJ for its permanent campus on 22.10.2011. A total of 500 acres has been earmarked for the University. The location is at Sukkurhutu – Cheri – Manatu of Kanke Block, Ranchi, and is about 10 kms from the Centre of the city. The construction work of academic, library and administrative buildings is under progress.





I. CENTRAL UNIVERSITY OF JHARKHAND – AN OVERVIEW

C. Objectives & Scope

The objectives of the University are to:

- Disseminate and advance knowledge by providing instructional and research facilities in various disciplines
- Make special provisions for Integrated Courses in:
 - ♦ Humanities
 - ♦ Social Sciences
 - ♦ Science & Technology
- Promote innovations in teaching-learning process and inter-disciplinary studies and research
- Educate and train manpower for the development of the country
- Establish linkages with industries for the promotion of science and technology and
- Pay special attention to the improvement of the social and economic conditions and welfare of the people, their intellectual, academic and cultural development.

D. The Vision

Our vision is to create a world class university in every aspect, be it research, teaching, administration or co-curricular activities, to produce world class students ready to excel in every chosen field with honour and uprightness.

E. The Logo

The logo occupies a very special place within the whole brand image building process of CUJ. Respect for traditions is reflected by the curved design around the circles enclosing the name of the university. The Banyan tree symbolizes learning, enlightenment and its dissemination to the ever growing youth of our nation. The two rocks represent strength of character and unswerving truthfulness. When conjoined, they stand for steadfast excellence through uprightness. “Jharkhand” means dense forest regions. The banyan tree symbolizes the inclusiveness in our humanistic approaches to social contexts of our location.





II. CENTRAL UNIVERSITY OF JHARKHAND – AN OVERVIEW

F. The Logo Colours

The three colours of the logo have been chosen with reference to what the ancient Upanishads have to say on colours:

- Green: - stands for vitality and growth
- Maroon: - symbolises existence and dynamism
- Gold: - represents sacrifice and renunciation

G THE MOTTO: Knowledge to Wisdom

Students join higher education courses to gain knowledge. At CUJ, we strive hard to turn that knowledge to wisdom in order that society finally gains a useful citizen to guide and mould its destiny.

This we plan to do through many compulsory community-based projects, interactions with a wide cross-section of people from within our country and outside it and innovations in the teaching-learning processes.





II. BRIEF SUMMARY OF ACHIEVEMENTS

Honor/Recognition:

- Centre for Water Engineering and Management continued to be empaneled as **State Technical Agency for Department of Drinking Water and Sanitation, Govt. of Jharkhand**.
- Centre for Land Resource Management continued long term collaboration with Shri Krishna Institute of Public Administration (SKIPPA), Ranchi, Govt. of Jharkhand as a **Technical Sub-committee member in National Land Records Modernization Program, Govt. of India**.
- Centre for Land Resource Management continued long term collaboration with **Department of Disaster Management, Govt. of Jharkhand as a knowledge partner in the area of Disaster Management**.

Research & Development Projects :

- Research project entitled "*Maintaining harmony through media Researcher*" coordinated by Prof.S.K. Tewari. The project is sponsored by IASE Deemed University, Rajasthan.
- UGC –BSR Research Start-UP-Grant of Rs. 6,00,000/- (Ref. No. F.30-14/2014 (BSR) dated 22 /07/2014) to **Dr. Dharmendra Sigh**.
- UGC –BSR Research Start-UP-Grant of Rs. 6,00,000/- (Ref. No. F.30-14/2014 (BSR) dated 22 /07/2014) to **Dr. Vinit Kumar Agotiya**.
- MoEF, GoI in principally approved a research project with financial assistance of Rs. 38,44,800/- to **Prof. A.C. Pandey** for the project entitled '*Implication of changing climate on flood severity in Bihar flood plains using Geoinformatics: A case study of Kosi Basin*'.
- **Dr. A. Kumar** and **Prof. A. C. Pandey** received a research grant of US\$15,536 (ca. INR 9.63 Lakhs) for the project entitled '*Multi-purpose R&D pilot projects for assessing the feasibility of cost effective and sustainable technologies for drinking water storage and distribution in rural areas of Jharkhand: A pilot study at Sanga Village*' sponsored and sub-awarded by Columbia Water Centre (CWC), Columbia University, New York in July 2014 (Status: On Going).
- Center for Excellence in **Green and Efficient Energy Technology** (CoE-GEET) under FAST scheme of Ministry of Human Resources Development, New Delhi at Central University of Jharkhand, Ranchi (2014-contd.); **Dr. S.K. Samdarshi** (Coordinator and PI), **Dr. B. Pradhan** (Co-PI), **Dr. Sachin Kumar** (Co-PI).
- DST project entitled "*Development of novel of a novel redox neutral transformation of N-heterocycles involving a cascade of reductive amination, Grob-type fragmentation and Mannich reaction*" (YSS/2015/000356) is awarded to **Dr. Partha Ghosh**, UGC-RFP -Assistant professor.
- Development of High-Efficiency Organic Photovoltaic Devices funded under Ramanujan Fellowship by Department of Science and Technology , New Delhi (2013-17), Dr. B Pradhan (PI).
- Development of Highly Efficient Hybrid Solar Cells funded by UGC, New Delhi (2014-2016), Dr. B. Pradhan (PI).
- Development of highly efficient inverted organic solar cells funded by SERB-DST, New Delhi (2014-2017), Dr. B Pradhan (PI).
- Establishment of 2 MW solar power plant with the help of Ministry of New and Renewable Energy, New Delhi
- Production of liquid fuel from mixed waste plastics by thermal and catalytic pyrolysis funded



III. BRIEF SUMMARY OF ACHIEVEMENTS contd...

by UGC, New Delhi (2014-16), Dr. Sachin Kumar (PI).

- **Department of Biotechnology, Govt. of India, BUILDER Programme (Rs.4.8 crore)** for Centre for Life Sciences. P.I. **Prof. A.N. Misra.**
- Project entitled "*Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer*", PI: Dr R. Mishra, CoPI: Prof. S. Nagini, Anamalai Univ., Tamil Nadu, India.
- Project entitled "*Role of Toll like receptors and identification of novel disease activity markers in systemic lupus erythematosus*". Funding agency DST, Govt of India, period 2014-2018; Project DST-INSPIRE FACULTY; PI: **Dr AK. Panda**
- Project entitled "*Role of S6 Kinase in Oral Cancer Patients of Jharkhand Population*" Funding agency DBT, Govt of India, period 2015-2016; Project No: Research Associate/ DBT: Dr. A.K Singh; Supervisor: Dr. R. Mishra.
- Project entitled "*INSAT 3D Data utilization*" funded by Space Application Centre (ISRO), Ahmedabad, **PI: Dr Manoj Kumar**
- Project entitled "*GPS upper Air observational Studies*" funded by ISRO Bangalore, PI: **Dr Manoj Kumar**
- Project entitled "*Aerosol radiative forcings over varying vegetative fields and surfaces*" funded by DST, GOI, PI: **Dr Manoj Kumar**
- Project entitled "*Phytosociological analysis of forests of Ranchi, Jharkhand, India*" funded by UGC, GOI, PI: **Dr Purabi Saikia**
- Project entitled "*Transesterification of biodiesel from Millettia pinnata oil from nano-CaO loaded compounds*" funded by UGC, GOI, PI: **Dr Bhaskar Singh**
- Project entitled "*Effects of cadmium (Cd) on the yield and quality of Ricinus communis seeds and oil*" funded by UGC, GOI, PI: **Dr Kuldeep Baudhh**
- Project entitled "*Biomass burning and black carbon effect over paddy field*" funded by DST, GOI, PI: **Dr Kavita Parmar**

Foreign Collaboration:

- **Prof. Richard Norris Jahna:** a senior researcher from Arizona Western College in the United States was attached to Centre for Mass Communication for five months. He was a 2014-2015 **Fulbright-Nehru scholar** and he stayed here from 1st August to 29th December 2014. He pursued research work titled "the urgency of a situation: Bringing Testimonial Writing to the Indian Classroom".
- **Dr. Nitesh Bhatia** is working in a collaborative research project since 03 September, 2014 on "Role of individual differences in negotiation", in collaboration with Washington University in St. Louis, Olin business School along with Indian Institute of Management, Ranchi. The project is funded by Washington University in St. Louis, Olin business School along with Indian Institute of Management, Ranchi

Faculty Achievements:

- **Prof. S. K. Samdarshi** is the senior editor of *SESI Journal* published by Solar Energy Society of India.



III. BRIEF SUMMARY OF ACHIEVEMENTS contd...

- **Prof S K Samdarshi** was reviewer of curriculum for M.Sc.(Metall. Engg) and Ph.D. (Metallurgy), Department of Material Science and Engg., Jimma University, Ethiopia.
- **Dr. Basudev Pradhan** is an editorial board member of *Springer Journal, Applied Physics A*.
- **Dr. Shreya Pandey** worked as expert from India in the International Research Project in the framework of implementing the tender "Analysis of Perceptions of the EU and EU's Policies Abroad" for the European Commission's service for Foreign Policy Instruments coordinated by the National Centre for Research on Europe (NCRE), New Zealand, Public Policy and Management Institute (PPMI), Lithuania and NFG Freie Universitat Berlin, (2014-2015).
- **Dr. V.K. Tripathi** has been empanelled as Individual National Level Expert (NLE) for the Ministry of Drinking Water and Sanitation, Govt. of India.

Students' Activities:

- Student of 2nd Semester **Medha Shukla** participated in Vikram Chhabra Memorial Inter College Debate Competition organized by Rotary Club and won **best speaker Prize** for the motion
- Student of 4th Semester **Ramiz Akhtar** won gold medal in **5th Jharkhand State Karate Championship-2015**, held at Jamshedpur.
- Student of 2nd Semester **Udita Pal** won **4th prize in National Level IDEA's Techkriti competition** organized by IIT, Kolkata
- Student of 2nd Semester **Udita Pal** won **1st prize in National level Business Plan Competition** organized by NIFFT, Ranchi
- **Mr. Tolheishel Khaling** selected for **Svaagata EU of Erasmus Mundus programme** to study at the University of Tartu, Estonia in 2014.
- A 17 member CUJ wushu team participated in the 10th State wushu championship schedule on 14th of Sep at Ranchi and won **1 Gold , 4 Silver and 4 Bronze medals**.
- Two players from CUJ participated in 2nd Federation Cup Wushu championship organized at L B stadium, Hyderabad and won **1 Gold 2 Silver and 1 Bronze medals**.
- **Jyoti Kumari** (EVS 1st sem) won **Gold Medal in 35th National Games, Kerala**.
- **Ms. Kausar Hyat Waris**, bagged **Young Scientist Award**, in organic chemistry section, annual conference organised by India Council of Chemist at ISM Dhanbad, during Dec, 16-18, 2014.
- The 9th semester students, Sidatri Nandi, Amit Kumar, Souradeep Chakraborty and Deepak Kumar received INSA fellowship for summer project.

Lecture / Events Organised:

- A lecture on "**Right to Information Act, 2009**" was delivered by **Mr. Justice A K Patnaik, Hon'ble Justice of Suprem Court of India** on 12th April. 2015.
- Centre for Human Rights and Conflict Management organized a Special Lecture by **Amb. Rajiv Sikri** in April 2014 with the support of External Publicity and Public Diplomacy Division of the Ministry of External Affairs (MEA) on "**India's Foreign Policy**".
- The Centre for Tribal and Customary Law organised lecture on the "**Role of International Law in Shaping the Rights of Tribal Peoples**" by **Dr V G Hedge**, Associate Professor, South Asian University, New Delhi on 6th October 2014.
- Centre for Mass Communication organized one week **National Workshop on media writing**



III. BRIEF SUMMARY OF ACHIEVEMENTS contd...

from 17th November 2014 to 23rd November 2014

- Centre for Mass Communication organized one special lecture on '**Television in India: Journey So Far**' on 19 September, 2014.
- Centre for Water Engineering and Management celebrated **World Water Week** during March 15-22, 2015. Students of the centre visited 5 Blocks of Ranchi districts and created awareness for water conservation and preservation through play, audio-visual aid and Nukkad Natak with the support of Block Development Office of the respective blocks. On March 22, 2015 (World Water Day), Sri Sanjay Kumar, Senior Manager, Damodar Valley Corporation, Hazaribagh graced the occasion as Chief Guest.
- Centre for Land Resource Management organized One Day Seminar on "**Microvita – A New Science of Reality**" on November 28, 2014. Guest of Honour, **Dr. H. J. Rodolph, Founding Member and chairman of Microvita Research e.v.**, Germany delivered a lecture on Microvita.
- Centre for Land Resource Management organized and successfully completed **14th ISRO EDUSAT outreach Certificate course** on basics of RS, GIS & GNSS during 4th August to 14th November 2014.
- **Earth Day** was celebrated in the Centre for Land Resource Management with the collaboration with Unnayan on 3rd Sept 2014 funded by the Indian Meteorological Society, Ranchi Chapter, Jharkhand.
- Two days training Programme on "**Functioning and Maintenance of Solar Radiation Resource Assessment (SRRA) Station**" of Eastern Region states, jointly organised by Centre for Energy Engineering, CUJ and Centre for Wind Energy Technology (CWET), Ministry of New and Renewable Energy, New Delhi, during July 1-2, 2014.
- One day awareness campaign program on **AKSHAY URJA DIWAS** for the developments of renewal energy in India, celebrated on August 20, 2014.



IV. CUJ STATUTORY BODIES

1. The First Court

1. **Justice (Retd.) Shri V.N.Khare**
Central University of Jharkhand
Brambe, Ranchi - 835205
2. **Shri Shiv Basant, IAS (Retd)**
Former Chief Secretary
Flat No. 1201, Shri Radha Krishna Garden
Rameshwarm Colony, Near NCC
Bariyatu, Ranchi
3. **Dr. Mahua Maji**
Chairperson
State Commission for Women, Jharkhand
Tharpakana, Ranchi - 834001
4. **Dr. P.K.Nayak**
Plot No. 437, Idea office
Bhuneshwar Odisha
5. **Shri S.K.Satpathy**
Principal Secretary
Department of Personnel, A.R. & Rajbhasha,
Govt of Jharkhand Ranchi
6. **Shri Ranendra Kumar**
Joint Secretary, SKIPA Ranchi
Meur Road, Ranchi
7. **Prof. Mousmi Pati**
IIM, Ranchi
6th floor, Suchana Bhawan
Meur Road, Ranchi
8. **Shri Manoj Prasad**
Late Bedi Prasad, IPS
Shivpuri, Kanke Road,
Ranchi
9. **Dr. Harivansh**
Editor of Chief, Prabhat Khabar, Ranchi
103, Umashanti Apartment
Near Jawahar Nagar, Kanke Road,
Ranchi
10. **Prof. D.C.Panigarhi**
Director,
Indian School of Mines, Dhanbad



IV. CUJ STATUTORY BODIES contd...

- 11. Prof. A.A.Khan**
Retd. Vice chancellor
Ranchi University
Hera Aparment, Flat no2A, Behind Punjab Sweet House
Main Road, Ranchi
- 12. Prof. Ramesh Saran**
Department of Economics
Ranchi University Ranchi
House no252 New AG cooperative Colony
Kadru Ranchi -834002
- 13. Prof. Dr. Tulsi Mahto**
Director
Rajendra Institute of Medical Sciences
Bariatu Ranchi
- 14. Prof. L.N.Bhagat**
Vice Chancellor
Ranchi University Ranchi
- 15. Fa E Abraham S.J.**
Director
XLRI, Jamshedpur
- 16. Prof. Rambabu Kodli**
Director
NIT, Jamshedpur
- 17. Dr. Mrs. Shukla Mahanty**
Principal
Jamshedpur Women College
Jamshedpur
- 18. Dr.Mrs. Sarojini Jyotsna**
UGC Former Professor & HOD Hindia
Ranchi University Ranchi
- 19. Guru Shyama Charan Pati**
Noted Chhau Dance Exponent
- 20. Shri Pitambar Hansda**
Sahitya Academy Award
- 21. Fr,Georege Paul, M.A. Ph.D**
St Fidells Se.Secondary School
Aligarh, UP
- 22. Prof. Sudhakar Yedla**
Indira Gandhi Institute of Devleopment Research
Goregoan E Mumbai



IV. CUJ STATUTORY BODIES contd...

- 23. Shri Digambar Hansda**
Retd. Professor
Karandih, Jamshedpur
- 24. Prof. Sarin**
Professor of Marketing
XLRI, Jamshedpur
- 25. Prof. Abha Singh**
Professor & Head
Department of Geology
A.N.College Patna
- 26. Prof. B.C.Sarkar**
Head
Department of Geology
A.N.College Patna
- 27. Prof. Gautam Biswas**
Director
Central Mechanical Engineering Research
Dhanbad
- 28. Dr. K.C.Tudu**
Head
Department of Tribal & Regional Language,
Ranchi University Ranchi
- 29. Shri Gopal Singh**
Chairman & Managing Director
Central Coalfields Limited
Darbhanga House, Kutchery Road, Ranchi
- 30. Prof. T.Tarkeshwar Kumar**
Director
NIT Durgapur, West Bengal – 713209
- 31. Prof.A.N.Sekar Iyengar**
Saha Institute of Nuclear Physics
Kolkata - 700064
- 32. Prof. Sumit Kumar Ray**
Professor & Head
Department of Physics and Meteorology
IIT-Kharagpur, West Bengal - 721302
- 33. Prof. R.K.Dey**
Registrar
Central University of Jharkhand
Brambe, Ranchi - 835205



IV. CUJ STATUTORY BODIES contd...

B. The Second Executive Council

1. **Prof. A N Misra**
Vice-Chancellor (Acting),
Central University of Jharkhand (Ex-officio Chairman)
2. **Prof. A N Misra (till 12.11.2014)**
Dean School of Natural Sciences
Central University of Jharkhand
3. **Prof. Dr. Surabhi Banerjee**
Vice Chancellor
Central University of Orissa, Koraput
4. **Prof. Binod Kumar**
Dept. of Statistics
Patna University, Patna
5. **Prof. L.N. Bhagat**
Vice Chancellor
Ranchi University, Ranchi
6. **Prof. D.C. Panigrahi**
Director
Indian School of Mines, Dhnabad
7. **Prof. (Dr.) M.M. Salunkhe (till 08.07.2014)**
Vice Chancellor
Central University of Rajasthan, Ajmer
8. **Prof. Bolin Kumar Konwar**
Vice Chancellor
Nagaland University, Lumani
9. **Prof. R K Dey (till 29.07.2014)**
Registrar, Central University of Jharkhand.
(Ex-officio Non-Member Secretary)
10. **Prof. R K Dey (since 29.07.2014)**
Registrar, Central University of Jharkhand.
(Ex-officio Non-Member Secretary)



IV. CUJ STATUTORY BODIES contd...

C. The Second Academic Council

1. **Prof. A N Misra**
Vice-Chancellor (Acting),
Central University of Jharkhand (Ex-officio Chairman)
2. **Prof. Bhim S Dahiya**
Former Vice Chancellor & Professor of English
Kurukhetra University, Haryana
3. **Prof. H M Gupta**
Dept. of Electrical Engineering
IIT Delhi
4. **Mr. Suresh Dutt Tripathi**
Vice President, HRM
Tata Steel Co.
5. **Shri G K Pillai**
Ex-Chairman-HEC
Hatia, Ranchi
6. **Prof. P K Barhai**
Vice Chancellor
BIT Mesra, Ranchi
7. **Shri S Srikanth**
Director National Metallurgical Laboratory
Jamshedpur
8. **Prof. Amrendra Narayan Misra**
Dean, School of Natural Sciences (till 11.11.2014) & Head
Centre for Life Sciences
9. **Prof. Santosh Kumar Tewari**
Dean,
School of Mass Communication & Media Technologies (till..) & Head
Centre for Mass Communication (till 21.11.2014)
10. **Dr. Dev Vrat Singh**
Dean
School of Mass Communication & Media Technologies (since...) & Head
Centre for Mass Communication (since 22.11.2014)
11. **Prof. Taposh Ghoshal**
Dean
School of Management Science & Head
Centre for Business Administration (till 21.11.2014)
12. **Dr. Ashok Sarkar**
Dean
School of Management Science & Head
Centre for Business Administration (since 22.11.2014)



IV. CUJ STATUTORY BODIES contd...

- 13. Prof. Sanjoy Kumar Samdarshi**
Dean
School of Engineering & Technology & Head, Centre for Energy Engineering
- 14. Prof. A.C. Pandey**
Dean
School of Natural Resource Management & Centre for Land Resource Management
- 15. Prof. R.K.Dey**
Dean
School of Natural Sciences (since 12.11.2014) & Head
Centre for Applied Chemistry (till 18.03.2015)
- 16. Dr. A Datta**
Head
Centre for Applied Chemistry (since 19.03.2015)
- 17. Dr. Saurabh**
Dean
School of Humanities and Social Sciences (since 16.12.2014) & Head
Centre for Human Rights & Conflict Management
- 18. Dr. Shreya Bhattacharjee**
Dean
School of Languages (since 12.11.2014) & Head Centre for English Studies
- 19. Dr. Sucheta Sen Chaudhuri**
Head, Centre for Indigenous Culture Studies
- 20. Dr. Ajai Singh**
Head
Centre for Water Engg. Management
- 21. Dr. Pradip Kumar Parida**
Coordinator
Centre for Applied Mathematics
- 22. Dr. Rabindranath Sarma**
Head
Centre for Tribal Folklore, Language and Literature
- 23. Dr. Ran Vijay**
Coordinator, Centre for International Relations
- 24. Smt. Arpana Raj**
Co-Coordinator, Centre for Far East Language (Chinese)
- 25. Dr. Konchok Tashi**
Co-Coordinator, Centre for Far East Language (Tibetan)
- 26. Shri Mukesh Jaiswal**
Co-Coordinator, Centre for Far East Language (Korean),



IV. CUJ STATUTORY BODIES contd...

27. **Dr. Manoj Kumar**
Head
Centre for Environment Science
28. **Dr. P. K. Mishra**
Coordinator, School of Humanities & Social Sciences & Centre for Education
29. **Dr. Walter Beck**
Coordinator
Centre for Tribal & Customary Law,
Dean – Students' Welfare, CUJ
30. **Librarian, CUJ**
31. **Chief Proctor, CUJ**
32. **Dr. D N Harit**
Associate Professor, Centre for Environmental Science
CUJ (till 19.06.2014)
33. **Dr. Ashok Sarkar**
Associate Professor
Centre for Business Administration, CUJ
34. **Dr. Dev Vrat Singh**
Centre for Mass Communication, CUJ
35. **Dr. Biplab Kumar Kuila**
Assistant Professor
Centre for Applied Chemistry, CUJ
36. **Shri C Nagapavan**
Assistant Professor
Centre for Business Administration, CUJ
37. **Dr. Raj Bahadur Singh**
Assistant Professor
Centre for Applied Chemistry, CUJ
38. **Ms. Richa Pandey**
7th Semester, CWEM, CUJ
39. **Ms. Manjusha Bhardwaj**
7th Semester, CMC, CUJ
40. **Prof. R K Dey (till 29.07.2014)**
Registrar, Central University of Jharkhand.
(Ex-officio Non-Member Secretary)
41. **Prof. R K Dey (since 29.07.2014)**
Registrar, Central University of Jharkhand.
(Ex-officio Non-Member Secretary)



IV. CUJ STATUTORY BODIES contd...

D. The Second Finance Committee

1. **Prof. A N Misra (since 01.03.2014)**
Vice-Chancellor
Central University of Jharkhand (Ex-officio Chairman)
2. **Prof. Binod Kumar,**
Dept. of Statistics
Patna University, Patna
3. **Dr. B P Mathur,**
Former Dy. CAG
Govt. of India
4. **Shri S Parabarmaiah,**
Former Finance Officer
University of Hyderabad
5. **Shri Anant Kumar Singh,**
Joint Secretary, MHRD
New Delhi
6. **Shri Pratap Singh,**
Deputy Secretary (Finance), MHRD
New Delhi
7. **Shri Upamanyu Basu,**
Financial Adviser, UGC
New Delhi
8. **Dr. J N Nayak,**
Finance Officer (Ex-officio Secretary)



IV. CUJ STATUTORY BODIES contd...

E. The Second Building Committee

1. **Prof. A N Mishra**
Vice-Chancellor,
Central University of Jharkhand (Chairman)
2. **Er. M.K. Mallick**
Superintending Engineer (till 25.6.2014)
Ranchi Central Circle, CPWD
3. **Prof.D.K.Banerjee (till 25.6.2014)**
OSD-Planning, CUJ
4. **Dr. J N Nayak,**
Finance Officer, CUJ
5. **Prof. Arunabha Datta,**
Professor, Centre for Applied Chemistry, CUJ
6. **Prof. Taposh Ghoshal (till 26.6.2014)**
Professor, Centre for Business Administration
7. **Prof. S. Medhekar**
Professor, Centre for Applied Physics, CUJ
8. **Prof. A C Pandey (since 26.6.2014)**
Profesor, Centre for Land Reource Management
9. **Prof. S K Samdarshi**
Professor, Centre for Energy Engineering
10. **Dr. Ajai Singh**
Assoicate Professor, Centre for Water Engineering & Management
11. **Er. N.P. Garg,**
OSD-Project, CUJ
12. **Prof. R K Dey (till 29.07.2014)**
Registrar, Central University of Jharkhand.
(Ex-officio Non-Member Secretary)
13. **Prof. S Medhekar (since 29.07.2014)**
Registrar, Central University of Jharkhand.
(Ex-officio Non-Member Secretary)



V. ORIGINAL VISION PLAN FOR FIRST FIVE YEARS

The Schools & Centers envisioned to come up in phases at CUJ are catalogued in the Table below:

SCHOOLS & CENTRES PLANNED	PHASE
1. School of Mass Communication and Media Technologies	
a. Centre for Mass Communication (existing)	1
b. Centre for Media Technologies	3
2. School of Management Sciences	
a. Centre for Business Administration (existing)	1
b. Centre for Human Rights and Conflict Management (existing)	3
3. School of Natural Sciences	
a. Centre for Applied Mathematics (existing)	1
b. Centre for Applied Physics (existing)	2
c. Centre for Applied Chemistry (existing)	2
d. Centre for Life Sciences (existing)	2
4. School of Languages	
a. Centre for English Language (existing)	1
b. Centre for Far East Languages (existing)	3
c. Centre for Sanskrit Language	3
5. School of Engineering and Technology	
a. Centre for Nanotechnology (existing)	2
b. Centre for Energy Engineering(existing)	3
c. Centre for Bio-Technology	3
6. School of Cultural Studies	
a. Centre for Indigenous Culture (existing)	2
b. Centre for Music and Performing Arts	3
c. Centre for Tribal Folklore, Language and Literature	3
d. Centre for Tribal and Customary Law (existing)	4
7. School of Natural Resources Management	
a. Centre for Bio Diversity	3
b. Centre for Water Engineering and Management (existing)	2
c. Centre for Land Resources Management (existing)	3
d. Centre for Environmental Sciences (existing)	3
8. Institute of Sports	
9. School of Humanities & Social Sciences	
a. Centre for International Relations (existing)	3

Key:- 1 = 2009-2010
2 = 2010-2011
3 = 2011-2012
4= 2012-2013



VI. ACADEMICS

The Academic Programmes of the Central University of Jharkhand started in the first week of August, 2009 at the temporary campus at Brambe, Ranchi. The planning and establishment of the programmes have been made on the basis of relevance and demand at the

- I. Regional Level.
- II. National Level and
- III. International Level

The University offers a Choice Based Credit System. The examination pattern is Semester based with a continuous evaluation system (Sessional). All the major academic programmes are five year Integrated Post-Graduate level.

As of March 2015, the University offers

- **Five Year Integrated Masters** programmes (after +2) in fifteen streams, namely, Applied Physics, Applied Chemistry, Applied Mathematics, Life Sciences, Environmental Science, English, Far East Languages (Korean, Chinese and Tibetan), Indigenous Culture Studies, Mass Communication, Business Administration, Nanotechnology, Energy Engineering and Water Engineering and Management, Geoinformatics and International Relations.
- **Four Year Integrated B.A./B.Sc. B.ED Programmes**
- **Three Year Bachelor Programme in Music**
- **Two Year Post Graduate** Programmes in Geo-informatics.
- **PhD programmes** in Physics, Chemistry, Maths, Life Sciences, English Studies, Indigenous Culture Studies, Mass Communication and Business Administration, Nanotechnology, Water Engineering and Management, Energy Engineering, Land Resource Management, Human Rights & Conflict Management and Humanities & Social Sciences.
- **Certificate and Diploma / Degree** in Human Rights and Conflict Management, Tibetan, Chinese, Korean, Advance Course in Media & International Relations, Unfolding the layers of Indian Polity and in Geo-informatics.
- **Free tuition** and classes, by student volunteers, to students of the **neighbouring villages**, studying from classes 3 to 10.

Student Admission:

Admissions to the Two/Three/Four/Five Year Programmes have been done through a common entrance test conducted by the University which 30% weightage is also given to the +2 marks for arriving at the composite score for admission. Admissions to the various courses have been done through a common entrance test (CUCET). During the year 2014-15, **553 students from across the country (17 states) took admission** in the various courses. Out of which **222 are OBCs, 42 are SCs, 44 are STs and 245 are Generals**. Of the total admitted students, **227 are female students**. Students from across the country (17 states) are on roll. The details are given in the following tables:



VI. ACADEMICS

Table A: Five Year Integrated Course (2014-15)

State	General		OBC		ST		SC	
	M	F	M	F	M	F	M	F
Jharkhand	48	48	64	31	15	11	9	6
Bihar	22	14	40	22	4	0	4	1
UP	8	4	11	2	0	0	0	0
WB	16	20	1	2	0	1	5	1
MP	0	0	1	0	0	0	0	0
Odisha	4	5	2	3	0	0	1	0
Assam	1	0	0	0	0	0	0	0
Rajasthan	1	0	1	0	0	0	1	0
AP	0	1	0	0	0	0	0	0
Hariyana	1	0	0	0	0	0	0	0
Tamilnadu	0	0	0	0	0	0	1	0
Total	101	92	120	60	19	12	21	8

Table B: Two Year Master Course (2014-15)

State	General		OBC		ST		SC	
	M	F	M	F	M	F	M	F
Jharkhand	1	12	15	3	2	7	2	2
Bihar	5	1	5	1	0	0	0	1
WB	1	1	0	3	0	0	0	0
Odisha	4	3	2	0	0	0	1	0
Assam	0	0	0	0	0	0	0	1
Delhi	0	1	0	0	0	0	0	0
Chatisgarh	0	1	0	0	0	0	0	0
Kerala	1	0	0	0	0	0	0	0
Total	12	19	22	7	2	7	3	4

Table C: Three Year Bachelor Course (2014-15)

State	General		OBC		ST		SC	
	M	F	M	F	M	F	M	F
Jharkhand	1	0	0	0	0	0	0	0
Bihar	0	0	0	1	0	0	0	0
Total	1	0	0	1	0	0	0	0



VII. SCHOOL OF MANAGEMENT SCIENCES

Centre for Business Administration

Mission Statement:

To encourage critical thinking that leads to a deeper understanding of management and develop world leaders whose ideas and actions can change the world.

About the Centre:

The Centre for Business Administration is catering the needs of both industry and academics, with a mission to encourage critical thinking, leading towards deeper understanding of management and developing leaders. The Integrated MBA curriculum has been designed by considering industry expectations. The pedagogy adopted by the centre does not restrict students to classroom teaching only, but also allows them to enrich their learning through industrial visits, case studies, role-plays, leadership training, personality development programmes, summer internship and live projects.

Academic Programme:

- 5 year Integrated MBA
- Ph.D Programme
- Management Development Programmes for Executives (Short term)

Regular Faculty:

- Dr. Taposh Ghoshal, Professor and Dean
- Dr. Ashoke Kumar Sarkar, Associate Professor and Head
- Mr. C. Nagapavan, Assistant Professor
- Mr. Mahendra Singh, Assistant Professor
- Ms. Pragyan Pushpanjali, Assistant Professor
- Dr. Nitesh Bhatia, Assistant Professor

Faculty on Contract:

- Ms. Neha Kaur, Assistant Professor (on contract)
- Dr Jay Prakash Verma, Assistant Professor (on contract)
- Mr Vijay Kumar Sharma, Assistant Professor (on contract)
- Mr Prashant Kumar Jha, Assistant Professor (on contract)
- Ms Pooja Shukla, Guest Faculty
- Ms Bhabika Bhatt, Guest Faculty

Centre Head:

- Dr. Ashoke Kumar Sarkar

Research Projects:

Dr. Nitesh Bhatia is working in a collaborative research project since 03 September, 2014 on "Role of individual differences in negotiation", in collaboration with Washington University in St. Louis, Olin business School along with Indian Institute of Management, Ranchi. The project is funded by Washington University in St. Louis, Olin business School along with Indian Institute of Management, Ranchi



VII. SCHOOL OF MANAGEMENT SCIENCES

1. Centre for Business Administration *contd...*

Activities:

Centre:

- IMBA students of Semester VII visited JUSCO, Jamshedpur on 28th Nov 2014 for study safety briefing, introduction about Jusco Sahyog Kendra (JSK) and its operation, focusing on Customer relationship management followed by a visit at JSK and River pump house situated at Mango, Jamshedpur.
- IMBA students of Semester IX visited Jindal Steel and Power Limited, Pataratu on 17th Nov 2014 for learning's about the culture of Jindal's, History & Welfare Activities of JSPL, and Safety briefing. Students also visited Bar Mill and WRM.
- IMBA students of Semester VIII (Rural Marketing as elective) visited to Mandar village on 19th April 2014 for studying distributors, retailers, low end grocery shop owners and rural consumers to gain 1st hand knowledge of different facets of rural marketing

Faculty:

- Dr. A.K. Sarkar, presented paper entitled "Human Resources Accounting Concepts and Their Applicability and Implications for Employees, Organisations, Donors and Society- A Critical Analysis" in an International Conference on Sustainable Development at the University of Bonn, Germany, 9-12 July, 2014.
- Dr. Nitesh Bhatia presented paper entitled "Entrepreneurship at Crossroads" at Fifth Asian International Conference on Family Business, held at Indian School of business, Hyderabad during 6 – 8 Feb, 2015
- Dr. Nitesh Bhatia presented a paper entitled "Nitty-Gritty of Industrial Relations Getting Feeble: A Case of Nokia, Sriperumbudur Plant" at 56th Annual Conference of the Indian Society of Labour Economics (ISLE) at BIT Mesra, Ranchi during 18-20 Dec, 2014
- Dr. Nitesh Bhatia delivered lecture on Hypothesis testing using statistical inferential tools & Exercises through SPSS, for Ph.D. research scholars at ISM, Dhanbad, on 16 July 2014.
- Dr. Nitesh Bhatia delivered lecture on Research Methodology for management employees from various subsidiaries of Coal India Ltd in three day program at IICM Ranchi during 19-21 Aug 2014.
- Dr. Nitesh Bhatia attended training Course for young scholars on Project Proposal Writing, Drafting of Research Reports/Papers and Presentation Skills held at Ranchi during 21-23 December 2014 organized by Institute for Human Development, Eastern Regional Centre, Ranchi.

Publications:

- A.K. Sarkar (2014), "Human Resources Accounting concepts and their applicability and implications for employees, organizations, donors and society- A Critical Analysis" in the edited volume of IIDS-IIMS, 9th Conference (new series) Bonn University 2014, Germany
- Mahendra Singh, Kuldeep Baudhh, (2014), "Scientific terminology in commercial advertisements", Science Reporter, 51, 8, ISSN 0036-8512.
- Mahendra Singh, (2015), "Factor Rating Method: Vendor Evaluation System", SCMS Journal of Indian Management, XII, 1, ISSN 0973- 3167.



VIII. School of Natural Sciences

The School of Natural Sciences has four Centres viz,

1. *Centre for Applied Mathematics*
2. *Centre for Applied Physics*
3. *Centre for Applied Chemistry*
4. *Centre for Life Sciences*



VIII. SCHOOL OF NATURAL SCIENCES

1. Centre for Applied Mathematics

Mission Statement:

To advance the logical, analytical thinking and development of scientific practice with applications among the students so that they can flourish themselves in areas of Pure and Applied Mathematics, Financial mathematics, Computer Science, Scientific Computing, Statistical Methods, Information Technology and Actuarial Science etc. To produce Applied Mathematics scholars for management and operational research studies also for large corporations and leading manufacturing enterprises. The centre also committed to produce most brilliant brains in academics.

About the Centre:

The centre for Applied Mathematics was started in July 2009 under the School of Natural Sciences of Central University of Jharkhand. This Centre is first in Jharkhand to offers 5 years integrated M.Sc. programs on Applied Mathematics. It also offers PhD. program in Mathematics and allied subjects.

Academic Programmes :

- Integrated M.Sc. in Applied Mathematics (Duration - Five years)
- Ph.D. in Applied Mathematics

Regular Faculty:

- Dr. Pradip Kumar Parida, Assistant Professor
- Dr. Jagmohan Tanti, Assistant Professor
- Dr. Hrishikesh Mahato, Assistant Professor
- Dr. Jitendra Kumar, Assistant Professor

Contractual / Guest Faculty:

- Prof. B.B. Bhattacharya, Guest Professor.
- Prof. Vansi Dhar, Guest Professor.
- Mr. Mukul Priyadarshi, Assistant Professor.
- Mr. Abhimanyu Kumar, Assistant Professor.
- Mr. Sandip Mal, Assistant Professor.
- Mr. Chanchal Bid, Teaching Assistant.
- Dr. Niraj Prasad, Guest faculty.
- Mr. Aditya Kumar, Guest faculty.
- Ms. Divya Kumari, Guest faculty.
- Mr. Vijay Kumar, Guest faculty.
- Mr. Abhisekh Shekhar, Guest faculty.

Centre Coordinator : Dr. Pradip Kumar Parida (Assistant Professor)

Activities

Faculty

- **Pradip Kumar Parida** participated as a Resource Person and delivered three invited talks on “Solution of System of Linear Equations”, “Solution of System of Non-Linear Equations” and



VIII. SCHOOL OF NATURAL SCIENCES

1. Centre for Applied Mathematics contd...

“Interpolation and Integration” in the Refresher Course in Mathematics organised by UGC - Human Resource Development Centre, Ranchi University, Ranchi during 02-02-2015 to 22-02-2015.

- **Jagmohan Tanti** participated in the UGC-Sponsored Refresher Course in the Subject ‘*Statistics, Mathematics, Com. Sc. & I. T. (MD)*’ organized by ASC, Kumaun University, Nainital during 25-09-2014 to 15-10-2014.
- **Jagmohan Tanti** presented research paper entitled “Space of Invariant Bilinear Forms” in National Conference on ‘*Recent Advances in Statistical and Mathematical Sciences and their Applications*’ during October 04-06, 2014 held at Kumaun University, Nainital.
- **Jagmohan Tanti** participated as a Resource person and delivered three invited talks on ‘Group law on a non-singular cubic’, Introduction to Fermat’s last Theorem and ‘Kummer’s Approach to Fermat’s last Theorem’ in the Refresher course in Mathematics organized by UGC- Human Resource Development Centre, Ranchi University, Ranchi during 02-02-2015 to 22-02-2015.
- **Hrishikesh Mahato** participated in 79th Orientation Program organized by UGC-Academic Staff College, Ranchi University Ranchi, during 14-07-2014 to 10-08-2014.
- **Hrishikesh Mahato** delivered lectures in Refresher Course in Mathematics on 06-02-2015 and 07-02-2015 organised by UGC-Human Resource Development Centre, Ranchi University, Ranchi.

Publications:

- Pradip Kumar Parida (2014), “Convergence of an Iterative Method in Banach Spaces with Lipschitz Continuous First Derivative”, *International Journal of Applied Nonlinear Science*, 1:289 - 299.



VIII. SCHOOL OF NATURAL SCIENCES

2. Centre for Applied Physics

Mission Statement:

The Centre for Applied Physics is committed to excellence in imparting quality education to its undergraduate and postgraduate students in core and applied physics as well as related areas, e. g., nanotechnology etc. that encompass understanding of physical concepts, the generation and dissemination of new scientific knowledge involving physical principles and their applications to related interdisciplinary fields. Its objective is to have a beneficial impact on the community and nation at large, while enhancing the quality of teaching and research at Central University of Jharkhand leading to global recognition. The Centre aims to serve the society through the provision of high value-added education in fundamental and applied research in which fundamental physical principles are used to address research issues of technological importance at the frontiers of engineering and science. The Centre aims at consultancy programmes in applied physics emphasizing academic excellence in teaching and research.

About the Centre:

The center for Applied Physics was established in July 2010 under the School of Natural Sciences. The Centre offers 5 years integrated program in Applied Physics. The centre started functioning with the goals to provide programs of study in applied physics with a strong engineering emphasis relevant to needs of the local as well as regional/national research institutes and industries. Applied physics provides the bridge between fundamental physical concepts and their practical applications in engineering and in real life problems. The Centre has highly active and vibrant faculty members and the research interests of the faculty members cover broad range of physics, namely, Condensed Matter Physics, Lasers and Photonics, Nuclear and High Energy Physics, Theoretical and Mathematical Physics.

Academic Programmes:

- Five year Integrated M.Sc. programme in Applied Physics
- Ph.D. programme

Regular Faculty:

- Dr. Sarang Medhekar, Professor
- Dr. Avijit Ghosh, Assistant Professor
- Dr. Sanjay Gupta, Assistant Professor
- Dr. Dharmendra Singh, Assistant Professor
- Dr. Vineet Kumar Agotiya, Assistant Professor
- Dr. Sandeep Kumar Chaudhuri, Assistant Professor (UGC Faculty Recharge Programme)

Contractual Faculty:

- Dr. Ashish Kumar Mishra, Assistant Professor (On contract)
- Professor N. Nayak, Guest Faculty
- Mrs Amrita, Guest Faculty

Head of the Centre: Prof. Sarang Medhekar



VIII. SCHOOL OF NATURAL SCIENCES

2. Centre for Applied Physics *contd...*

Research Project received:

- UGC –BSR Research Start-UP-Grant of Rs. 6,00,000/- (Ref. No. F.30-14/2014 (BSR) dated 22 /07/2014) to Dr. Dharmendra Singh
- UGC –BSR Research Start-UP-Grant of Rs. 6,00,000/- (Ref. No. F.30-14/2014 (BSR) dated 22 /07/2014) to Dr. Vinit Kumar Agotiya

Activities:

Faculty :

- Dr. Dharmendra Singh participated in “Group Monitoring Workshop on DST Fast Track Proposals” IISER Bhopal during April 11, 2014 to April 12, 2014.
- Dr. Dharmendra Singh participated in “94th Orientation Programme” at UGC Academic staff college, University of Rajasthan, Jaipur during September 1, 2014 to September 27, 2014.
- Dr. Dharmendra Singh participated in DAE-BRNS *Symposium on Nuclear Physics*, Department of Physics, BHU, Varanasi, India during December 8-12, 2014.
- Dr. Ashish Mishra participated and presented a paper in an International Conference on Physics and Technology for Sustainable Development (**CONIAPS-2014**) jointly organized by International Academy of Physical Sciences (IAPS) and Department of Physics, IIITDM Jabalpur.

Publications:

- Man Mohan Gupta & Sarang Medheka (2014). “A versatile optical junction using photonic band-gap guidance and self- collimation.” *Applied Physics Letters*. 105, 131104 (2014); doi: 10.1063/1.4896622
- S Prasad, RK Sarkar & S Medhekar (2015). “Coupled tapering/uptapering of dark soliton pair in nonlinear media.” *Optik-International Journal for Light and Electron Optics*. 126 (7), 677-680
- A. K. Mishra & O.N. Singh (2015). “Simplified study of guided modes in plasma cladded step-index optical fiber.” *Optics Communications*. 345, pp 120-124.
- A. K. Mishra, D. Kumar & O.N. Singh (2015). “Some interesting cases of wave propagation in cylindrical tape helix cladded step-index optical fiber.” *Optical Fiber Technology*. Under Review.
- Tribikram Gupta & Sanjay Gupta (2014). “Physics of metal correlated barrier with chemical modulation metal hetrostructure.” *Physica B*. Vol 449, p-220 to 224.
- S. Adhikari, C. Basu, I. J. Thompson, P. Sugathan, A. Jhinghan, K. S. Golda, A. Babu, D. Singh, S. Ray, and A. K. Mitra (2014). “Observation of a breakup-induced α -transfer process for some bound states of ^{16}O populated by the $^{12}\text{C}(^{6}\text{Li},d)^{16}\text{O}$ reaction.” *Physical Review C*. 89 (2014) 044618.
- Arfat Firdous, M. Aslam Baba, D. Singh, Abdul Hamid Bha. “Optical and impedance studies of pure and Ba-doped ZnS quantum dots.” *Applied Nanoscience*. DOI 10.1007/s13204-014-0306-5
- D. Singh, Rahbar Ali, M. Afzal Ansari, R. Kumar, R. P. Singh, S. Muralithar and R. K. Bhowmik (2014). “Effect of the Target Deformation on Incomplete Fusion Dynamics.” *EPJ Web of Conferences*. 86 (2014) 00051.
- M Kumar Raju, D. Negi, S. Muralithar, R. P. Singh, J. A. Sheikh, G. H. Bhat, R. Kumar, InduBala, T. Trivedi, A. Dhal, K. Rani, R. Gurjar, D. Singh, R. Palit, B. S. Naidu, S. Saha, J. Sethi, R. Donthi, and S.



VIII. SCHOOL OF NATURAL SCIENCES

2. Centre for Applied Physics *contd...*

Jadhav (2015). "High spin spectroscopy and shape evolution in ^{105}Cd ." Phys. Rev. C. 91, (2015) 024319.

Conference Proceedings:

- A.K. Mishra, U N Singh, P C Pandey & O.N. Singh II (2014). "Effect of plasma cladding on the modal dispersion characteristics of optical fiber." CONIAPS, held at IIITDM Jabalpur. Date
- A. Ghosh, N. Kumar and R.N.P Choudhary (2015). "Modified Structural and Electrical Properties of $\text{PbTiO}_3\text{-BiFeO}_3$ Multiferroics, National Seminar on Recent Developments in Composite & Nano Materials." Hi-Tech College of Engineering, Bhubaneswar, India. 7th-8th February 2015.
- A. Ghosh (2015). "Graphene Based Electron Field Emitter : Challenges and Prospects, National Seminar on Recent Advancement in Physics." Vivekananda Satavarshiki Mahavidyalaya, Manikpara, Paschim Medinipur, West Bengal, India. 20th – 21st **March** 2015.
- D. Singh, Sneha Bharti Linda, Pankaj K. Giri, Harish Kumar, Rahbar Ali, M. Afzal Ansari, N. P. M. Sathik (2014). "Role of the critical angular momentum on incomplete fusion dynamics above the Coulomb barrier." DAE-BRNS Symposium on Nuclear Physics, Department of Physics, BHU, Varanasi, India. Proceedings of the DAE Symp. On Nucl. Phys. Vol. 59 (2014) 394.
- Rahbar Ali, D. Singh, Harish Kumar, M. Afzal Ansari, Rakesh Kumar, M. K. Sharma, Unnati, D. P. Singh, B. P. Singh, P.D. Shidling, Dinesh Negi, S. Muralithar, R.P. Singh, R.K. Bhowmik (2014). "Dependence of Incomplete Fusion Reaction on Mean Input Angular Momentum." DAE-BRNS Symposium on Nuclear Physics, Department of Physics, BHU, Varanasi, India. Proceedings of the DAE Symp. On Nucl. Phys. Vol. 59 (2014) 534.
- Harish Kumar, M. Afzal Ansari, D. Singh, Rahbar Ali, Suhail A. Tali, Asif Ali, Kamal Kumar, N. P. M. Sathik, R. Dubey, Indu Bala, R. P. Singh, S. Muralithar, P. Sugathan, Rakesh Kumar, N. Madhavan (2014). "Mass-asymmetry effect on incomplete fusion process at energies approx **4 - 7 MeV/nucleon**." DAE-BRNS Symposium on Nuclear Physics, Department of Physics, BHU, Varanasi, India. Proceedings of the DAE Symp. On Nucl. Phys. Vol. 59 (2014) 552.
- D. Singh, R. Ali, Harish Kumar, M. Afzal Ansari, M. H. Rashid and R. Guin (2014). "Investigation of Complete and Incomplete Fusion Dynamics of ^{20}Ne Induced Reactions at Energies above the Coulomb Barrier." AIP Conference Proceedings. 1609, 39 (2014); doi: 10.1063/1.4893250.
- Rahbar Ali, D. Singh, M. Afzal Ansari, Rakesh Kumar, S. Muralithar, K. S. Golda, R. P. Singh, M. H. Rashid, R. Guin, S. K. Das, and R. K. Bhowmik (2014). "An overview on incomplete fusion reaction dynamics at energy range 3-8 MeV/A." AIP Conference Proceedings. 1609, 110 (2014); doi: 10.1063/1.4893262.



VIII. SCHOOL OF NATURAL SCIENCES

3. Centre for Applied Chemistry

Mission Statement:

The mission of the Centre is to build a world class teaching and research infrastructure on Chemistry, particularly taking care of its recent direct applications. It will provide leading edge education and produce chemist, scholars and professionals with global competence for serving the mankind.

About the Centre:

The Centre for Applied Chemistry was started in July 2010 under the School of Natural Science. It is facilitating high quality laboratories with state of the art research facilities and equipments with modern approach and solution to problems in chemistry and chemical industry. The Centre has also started Ph.D. programme to carry out research in cutting edge areas, both of basic and applied in nature, to educate and train Ph.D. students so that they will become world class scientists.

Academic Programme:

- Year Integrated M.Sc. in Applied Chemistry
- Ph.D. in Applied Chemistry

Regukar Faculty:

- Dr. R. K. Dey, Professor
- Dr. Arunabha Dutta, Professor
- Dr. Arun Kumar Padhy, Associate Professor
- Dr. Soumen Dey, Assistant Professor
- Dr. Bilpab Kumar Kuila, Assistant Professor
- Dr. Raj Bahadur Singh, Assistant Professor
- Mr. Simon Watre Sangma, Assistant Professor

Contractual Faculty:

- Dr. Satish Kumar Singh, Assistant Professor (on contract)
- Dr. Sunit Hazra, Assistant Professor (on contract)
- Dr. Debjit Das, Assistant Professor (on contract)
- Dr. Sadhucharan Mallick, Assistant Professor (on contract)
- Dr. Partha Ghosh, UGC- Assistant Professor (on contract)

Centre Head: Professor Arunabha Datta

Research Projects:

- UGC Start grant awarded to Dr. Partha Ghosh, UGC-Assistant Professor, for initiation of research activity in the Centre.
- DST project entitled "Development of novel of a novel redox neutral transformation of N-heterocycles involving a cascade of reductive amination, Grob-type fragmentation and Mannich reaction" (YSS/2015/000356) is awarded to Dr. Partha Ghosh, UGC-Assistant professor.
- Beam time sanctioned in Indian beam line at Indian Photon factory, Japan, for the proposal "Bulk



VIII. SCHOOL OF NATURAL SCIENCES

3. Centre for Applied Physics *contd...*

and thin film study of some novel block copolymer supramolecular systems” Indian Photon Factory in Japan, DST, India

Activities:

Centre:

Students of 10th semester had gone to Industrial visit to Paradip, Odisha

Faculty:

- Dr. Biplab Kumar Kuila, Assistant Professor, visited India Photon Factory, KEK, Tsukuba, Japan, on November, 2014 for performing experiment.
- Dr. Biplab Kumar Kuila, delivered invited talk “Block copolymer-small molecule supramolecular assembly in thin film for creating large scale controllable periodic arrays of nanomaterials” in the International conference Macro 2015, an International symposium on polymer Sciences and Technology, held at IACS Kolkata, during Jan 23-26, 2015.
- Dr. Soumen Dey delivered invited lecture on “Recent advance in chemical research” at Nistarini college, Purulia, on 19th January, 2015.
- Dr. Soumen Dey delivered invited lecture in the Annual conference organised by India Council of Chemist at ISM Dhanbad, during Dec, 16-18, 2014
- Dr. Soumen Dey act as observer AIPMT, 2015 appointed by CBSE New Dehli

Students:

- Two final year student, Mr. Sambedan Jena and Ms. Moumi Mandal qualified GATE examination.
- One Research scholar of the center Ms. Koomkoom Khawas qualified NET examination.
- Ms. Pallavi Kumari and Ms. Koomkoom Khawas, Ph.d. students have presented poster at the International conference Macro 2015, International symposium on polymer Sciences and Technology, held at IACS Kolkata, during Jan 23-26, 2015.
- Mr. B Samba Sivaiah, presented a poster at annual conference organized by Indian Chemical society at Kurukshetra Univesity, in Dec 2014.
- Ms. Kausar Hyat Waris, bagged Young Scientist award, in organic chemistry section, in annual conference organised by Indian Council of Chemist at ISM Dhanbad, during Dec, 16-18, 2014.
- The 9th semester students, Sidatri Nandi, Amit Kumar, Souradeep Chakraborty and Deepak Kumar received INSA fellowship for summer projects.
- M. Suresh, Ph.D student qualified CSIR, JRF in chemical Science

Publications:

- Stephen R. Slauson, Ryan Pemberton, Partha Ghosh, Dean J. Tantillo, and Jeffrey Aubé, (2015), “Domino Acylation/Diels–Alder Synthesis of N-Alkyl-octahydroisoquinolin-1-one-8-carboxylic Acids under Low-Solvent Conditions” J. Org. Chem., 80 (10), 5260-5271.
- Rahul Singh , Bharat Kumar Allam , Neetu Singh, Kumkum Kumari, Satish Kumar Singh, and Krishna Nand Singh, (2015) “A Direct Metal-Free Decarboxylative Sulfono Functionalization (DSF) of Cinnamic Acids to α , β -Unsaturated Phenyl Sulfones”, Org. Lett., 17 (11), 2656-2659.
- Rahul Singh, Bharat Kumar Allam, Neetu Singh, Kumkum Kumari, Satish Kumar Singh and Krishna Nand Singh, (2015), “Nickel-Catalyzed C [BOND] S Bond Formation: Synthesis of Aryl



VIII. SCHOOL OF NATURAL SCIENCES

3. Centre for Applied Physics *contd...*

Sulfides from Arylsulfonyl Hydrazides and Boronic Acids”, Advanced Synthesis and Catalysis, 357,1181-1186.

- Satish Kumar Singh, Sambadan Jena, (2015), “Eco-friendly and ingenious multicomponent synthesis of N-arylquinolines using DABCO/TEAB in water”, Indian J. Chem., 54B, 821-824.
- Pallavi Kumar, Manas Kumar Bera, Sudip Malik and Biplab Kumar Kuila, “Amphiphilic and Thermoresponsive conjugated Block copolymer with its sovent dependent optical and photoluminescence properties: Towards Sensing Applications”, ACS Applied Material and Interfaces, doi: 10.1021/am507266e.
- D. Das, S.S. Mohapatra, S. Roy, (2015), “Recent Advances in Heterobimetallic Catalysis across Transition Metal-Tin Motif”, Chem Soc Rev., 44, 3666.
- Sadhucharan Mallick, Pallab Sanpui, Siddhartha Sankar Ghosh, Arun Chattopadhyay and Anumita Paul, (2015), “Synthesis, characterization and enhanced bactericidal action of a chitosan supported core-shell copper-silver nanoparticle composite” **RSC Adv.**, **5**, 12268-12276.



VIII. SCHOOL OF NATURAL SCIENCES

4. Centre for Life Sciences

Mission Statement:

To develop open minded, sharp and cutting edge “Life Science Community” with a strong basic foundation of science, technical skills and passion, who can serve the society/country for the betterment of humanity with their knowledge, moral values and entrepreneurship.

About the Centre:

The Centre for Life Sciences was started in July 2010 under the School of Natural Sciences and offers 5 year Integrated Course in Life Sciences having an intake capacity of 40 students. To achieve our future goal for extensive interdisciplinary research by students and faculties in various areas of Biology, the Centre started admitting Ph.D. students from the academic year 2011-2012. The Ph.D. degree program includes course work for the research students.

We are committed to the vision of the Central University of Jharkhand. This is taking shape through the sanction of departmental **DBT BUILDER programme (Department of Biotechnology, Govt of India)** at the Centre. There are two on-going projects sanctioned by UGC and DBT.

Academic Programme:

- Five Year Integrated programme in Life Science
- PhD Programme in Life Science

Regular Faculty:

- Dr. Amarendra Narayan Misra, Professor
- Dr. Rajakishore Mishra, Assistant Professor
- Dr. Praveen Kumar Sharma, Assistant Professor
- Dr. Anil Kumar, Assistant Professor
- Dr. Hena Firdaus, Assistant Professor

Other Faculty:

- Dr. Aditya Kumar Panda, Assistant Professor, (INSPIRE Faculty fellow)
- Dr. Pallavi Sharma, Assistant Professor (UGC Faculty Recharge Programme)

UGC Woman Scientist:

- Dr. Meena Misra
Laboratory/Technical Assistant/ Lab. Attendant
- Mr. Jayesh Kumar
- Mr. Alok Kumar Sinha
- Mr. Bidyadhar Seth

Activities [include field study/ project work etc.]

Sixth semester Students of Integrated M.Sc. visited the Nandankanan Zoological park, Chilka Lake of Biodiversity rich region and nearby areas, Odisha, from March 17th to March 21th 2015 for the study of Biodiversity.

Conferences, Workshops, Symposia etc. attended and other Academic Activities by the Faculty members:



VIII. SCHOOL OF NATURAL SCIENCES

4. Centre for Life Sciences *contd...*

- Prof. A. N. Misra was invited as Resource person for UGC-Sponsored “Refresher Course in Life Sciences” organized by UGC-ASC, Ranchi University, Ranchi between 04/08/2014 to 24/08/2014.
- Prof. A. N. Misra attended British Council, THE, Thomson Reuters & Planning Commission (India) - Dialogue on University Rankings, Research evaluation and Research funding/launching of THE Asia Univ. Ranking. 19 June 2014, New Delhi.
- Prof. A. N. Misra Delivered a keynote lecture on Women empowerment in Sciences & Technology (24th -25th Sept 2014), organized by National Academy of Sciences, India (NASI) at CSIR-NML, Jamshedpur.
- Prof. A. N. Misra delivered a invited keynote lecture on : Nitric oxide – a signaling molecule in plants. *In* Nat. Conf. of Plant Physiol. (NCPP-2014). Orissa Univ. of Agric. Technol., Bhubaneswar, India. 23 – 25 Nov. 2014.
- Dr. Praveen K. Sharma attended the UGC sponsored Refresher Course at ASC-University of Hyderabad from 7th Nov 2015 to 27st Nov 2014.
- Dr. Rajakishore Mishra was invited to Chair a symposium at 34th Annual Convention of Indian Association for Cancer Research, Jaipur, India (International Conferences). Name of the Symposium: Innovations in Cancer Treatment and Research, held on 21st Feb. 2015.
- Dr. Rajakishore Mishra attended and gave oral presentation at 2nd International Conference on Frontiers In Biological Sciences (InCoFIBS - 2015) (22 - 24th January, 2015), NIT Rourkela. Topic: Hypermethylation of RECK gene promoter in human oral tumours and its correlation with glycogen synthase kinase -3 inactivation.
- Dr. Rajakishore Mishra presented a paper at 34th Annual Convention of IACR, Jaipur, India. Topic: Role of glycogen synthase kinase-3 in human oral tumour progression. 19th Feb 2015 to 21st Feb 2015.
- Dr. Rajakishore Mishra attended UGC-Sponsored “Refresher Course in Life Sciences” organized by UGC-ASC, Ranchi University, Ranchi between 04/08/2014 and 24/08/2014).
- Dr. Rajakishore Mishra conducted the oral cancer awareness programme among High School Students the local community (Oct-Nov 2014).
- Dr. Anil Kumar attended the UGC sponsored Refresher Course at ASC-JNU from 7th Jan 2015 to 20st Feb 2015.
- Dr H. Firdaus attended UGC sponsored Refresher programme at ASC, University of Burdwn, WB from 10th – 30th Oct 2014 .

Presentation/ Participation by the Research Scholars

- Ms Preeti Sworupa, Ms Sanjita Abhijita, Ms Kiran Kachhap, Ms Madhavi Dubey, Anisha Rupashree, Ms Dolly Krishnan attended a two days workshop (24th -25th Sept 2014) on Women empowerment in Sciences & technology organized by National Academy of Sciences, India (NASI) at CSIR-NML, Jamshedpur.
- **Md. Ekhlague Ahmed Khan**, Research Scholar, CLS, participated a 24 day (8th Sept- 1st Oct 2014) workshop on Immobilization of Enzymes with nano materials for Industrial application Sponsored by DBT, GoI at Bharthiar University, Coimbatore, Tamil Nadu.
- **Paramanik K. K.**, Alam M, Nagini S, Mishra R* presented a paper on “Activation of matrix metalloproteinases (MMPs) and their correlation with glycogen synthase kinase-3 in human



VIII. SCHOOL OF NATURAL SCIENCES

4. Centre for Life Sciences *contd...*

oral tumour progression" in 34th Convention of IACR, Jaipur, India (19-21 Feb 2015).

- **Madhavi Dubey** and Hena Firdaus presented a paper on "Role of integrin signaling pathway in Indirect flight muscles development in *Drosophila melanogaster*. Int. Symp. on Genetic Analysis, Translation and Developmental, Nov 21-23, 2014, Univ. of Burdwan, West Bengal.
- **Alam M**, Paramanik K, Nagini S, Mishra R* presented a paper on "Expression of various apoptotic markers and their correlation with glycogen synthase kinase-3 expression in human oral tumour progression" in 34th Convention of IACR, Jaipur, India (19-21 Feb 2015).

Research Project / Dept. Support at Centre for Life Sciences:

- **Department of Biotechnology, Govt. of India, BUILDER Programme (Rs.4.8 crore)** for – Centre for Life Sciences. P.I. Prof. A.N. Misra.
- "Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer", PI: Dr R. Mishra, CoPI: Prof. S. Nagini, Anamalai Univ., Tamil Nadu, India.
- "Role of Toll like receptors and identification of novel disease activity markers in systemic lupus erythematosus". Funding agency DST, Govt of India, period 2014-2018; Project DST-INSPIRE FACULTY; PI: Dr AK. Panda
- "Role of S6 Kinase in Oral Cancer Patients of Jharkhand Population" Funding agency DBT, Govt of India, period 2015-2016; Project No: Research Associate/ DBT: Dr. A.K Singh; Supervisor: Dr. R. Mishra.
- UGC FRP-Start up grant. Dr. Pallavi Sharma

Membership of Scientific Bodies:

- Prof. A.N. Misra: (i) International Society for Photosynthesis Research, (ii) Japanese Society for Plant Physiologists and (iii) Life member of more than twenty Scientific Societies.
- Dr. R. Mishra is a member of (i) Indian Association for Cancer Research, (ii) European Association for Cancer Research, (iii) The American Society for Cell Biology, and (iv) American Association for Cancer Research.
- Dr. P.K. Sharma is a member of International Brain Research Organization. And *Indian Academy of Neurosciences* (IAN) and UGC Faculty Recharge Programme.
- Dr. H. Firdaus is a Life member of Society of Biological chemists.
- Dr. A. K Panda is a member of Indian Immunology Society.

Campus Development:

- The Centre developed a **Medicinal and Aromatic Plants Garden** in the Brambe Campus.

Achievements of Research Scholars:

1. Mr. Kamdeo K. Pramanik (Awarded CSIR UGC NET JRF)
2. Ms. Dolly Krishnan (Awarded RGN Fellowship)

Publications

- Kalaji HM, Schansker G, Ladle RJ, Goltsev V, Bosa K, Allakhverdiev SI, Brestic M, Bussotti F, Calatayud A, Dąbrowski P, Elsheery NI, Ferroni L, Guidi L, Hogewoning SW, Jajoo A, **Misra AN**, Nebauer SG, Pancaldi S, Penella C, Poli DB, Pollastrini M, Romanowska-Duda ZB, Rutkowska



VIII. SCHOOL OF NATURAL SCIENCES

4. Centre for Life Sciences *contd...*

B, Serôdio J, Suresh K, Szulc W, Tambussi E, Yannicari M and Zivcak M (2014) "Frequently asked questions about in vivo chlorophyll fluorescence: practical issues." **Photosynth Res.** DOI 10.1007/s11120-014-0024-6.

- Apostolova EL, Rashkov G, **Misra AN**, Pouneva I and Dankov K (2014). "Effect of UV-B radiation on photosystem II functions in Antarctic and mesophilic strains of a green alga *Chlorella vulgaris* and a cyanobacterium *Synechocystis salina*." **Ind J Plant Physiol.** DOI 10.1007/s40502-014-0084-9.
- Dankov K, Rashkov G, **Misra AN** and Apostolova EL (2014). "Temperature sensitivity of photosystem II in isolated thylakoid membranes from fluridone treated pea leaves." **Turkish J. Botany.** DOI: 10.3906/bot-1407-46.
- **Misra AN**, Vladkova R, Singh R, Misra M, Dobrikova AG and Apostolova EL. "Action target sites and of nitric oxide in chloroplasts." **Nitric Oxide.** 2014; 30;39C:35-45.
- Apostolova EL and Misra **AN** (2014). "Alterations in structural organization affect the functional ability of photosynthetic apparatus. Mohammed Pessaraki" (ed.) **Handbook of Plant and Crop Physiology.** Expanded 3rd Edition. Ch. 3. CRC Press, Taylor & Francis Group. Pp. 103-120.
- Mohamed AA, Ali SI, El-Hallouty SM, El-Baz FK and **Misra AN** (2014). "GC/MS profiling, In Vitro antioxidant and cytotoxic activities of *Bindens pilosa*." **Int. J. Indigenous Medicinal Plants** 2014; 47(2): 1652-1659.
- **Mishra R**, Nagini S and Rana A. "Expression and inactivation of glycogen synthase kinase 3 alpha/ beta and their association with the expression of cyclin D1 and p53 in oral squamous cell carcinoma progression. **Mol Cancer** 2015. 14(1):20.
- Gupta P, **Sharma PK**, Mir H, Singh R, Singh N, Koc GH, Likkard JW, Singh S. "CCR9/CCL25 expression in non-small cell lung cancer correlates with aggressive disease and mediates key steps of metastasis." **Oncotarget.** 2014 Oct 30;5(20):10170-9.
- Haque S, Mandal RK, Akhter N, **Panda AK**, Hussain A, Khan S, Lohani M. "G894T and 4a/b polymorphisms of NOS3 gene are not associated with cancer risk: a meta-analysis." **Asian Pac J Cancer Prev.** 2015;16(7):2929-37.
- Mandal RK, Akhter N, Irshad M, **Panda AK**, Ali A, Haque S. "Association of the PTEN IVS4 (rs3830675) gene polymorphism with reduced risk of cancer: evidence from a meta-analysis." **Asian Pac J Cancer Prev.** 2015;16(3):897-902.
- **Firdaus H**, Mohan J, Naz S, Arathi P, Ramesh SR, Nongthomba U. "A cis-regulatory mutation in troponin-I of *Drosophila* reveals the importance of proper stoichiometry of structural proteins during muscle assembly." **Genetics.** 2015 May;200(1):149-65.
- **Sharma P**, Jha AB, Dubey, R.S. (2014). Arsenic Toxicity and Tolerance Mechanisms in Crop Plants. In: Pessaraki, M. (Ed.), **Handbook of Plant and Crop Physiology**, 3rd Edition, CRC Press, Taylor & Francis Publishing Company, Florida. ISBN 9781466553286, pp. 733-782.
- **Sharma, P.**, Jha, A.B., Dubey, R.S. and Pessaraki, M. (2014). "Reactive Oxygen Species Generation, Hazards, and Defense Mechanisms in Plants under Environmental (Abiotic and Biotic) Stress Conditions. In: Pessaraki, M. (Ed.), **Handbook of Plant and Crop Physiology**, 3rd Edition, CRC Press, Taylor & Francis Publishing Company, Florida. ISBN 9781466553286, pp. pp. 509-548.
- Ali SI, El-Baz FK, El-Emary GAE, **Khan EA**, Mohamed AA. "HPLC -Analysis of Polyphenolic Compounds and Free Radical Scavenging Activity of Pomegranate Fruit (*Punica granatum L.*)" **Int. J. Pharm. & Clinical Res.** 2014: 6(4): 348-355.



IX. SCHOOL OF MASS COMMUNICATION AND MEDIA TECHNOLOGIES

1. Centre for Mass Communication

Mission Statement:

Centre is committed to deliver excellence in media education, research and training with special focus on indigenous and regional needs. Institution endeavors to produce media professionals with social commitment. Centre also plans to be known as Centre of Excellence in the field of media research in the next coming five years.

About the Centre:

Centre for Mass Communication is one among the four centers started during the inception of the university in the year 2009. It comes under the School of Mass Communication and Media Technologies. Centre is equipped with basic facilities of media training i.e. media labs, video cameras, still cameras etc. Whereas, the Centre is in the process of establishing state-of-the-art infrastructure of Radio-television studio and Community Radio Station.

ACADEMIC PROGRAMMES:

- Five year Integrated programme in Mass Communication
- Ph.D. in Mass Communication

Regular Faculty:

- Dr. S.K. Tewari, Professor
- Dr. Dev Vrat Singh, Associate Professor
- Mr. Rajesh Kumar, Assistant Professor
- Mrs. Rashmi Verma, Assistant Professor
- Mr. Sudershan Yadav, Assistant Professor
- Dr. Paramveer Singh, Assistant Professor

Contractual Faculty:

- Mr. Kunal Anand, Guest Faculty
- Mr. Mukesh Chandra Devrari, Guest Faculty
- Mr. Rohit Ranjan, Guest Faculty (Till 16th Dec 2014)

Technical Staff

- Mr. Ajaenga H.K. Pamei, Technical Assistant

Centre Head: Dr. Dev Vrat Singh

Foreign Collaboration:

- Prof. Richard Norris Jahna: a senior researcher from Arizona Western College in the United States was attached to Centre for Mass Communication for five months. He was a 2014-2015 Fulbright-Nehru scholar and he stayed here from 1st August to 29th December 2014. He pursued research work titled "the urgency of a situation: Bringing Testimonial Writing to the Indian Classroom".

Research Project:

- Research project entitled "Maintaining harmony through media Researcher" coordinated by Prof S.K. Tewari. The project is sponsored by IASE Deemed University, Rajasthan.



IX. SCHOOL OF MASS COMMUNICATION AND MEDIA TECHNOLOGIES

1. Centre for Mass Communication *contd...*

Activity:

Centre:

- Centre for Mass Communication organized one week National Workshop on media writing from 17th November 2014 to 23rd November 2014
- Centre for Mass Communication organized one special lecture on 'Television in India: Journey So Far' on 19 September, 2014.

Faculty

- Professor S.K. Tewari participated in United States-India Education Foundation (USIEF) workshop on 'Building Relationships' held at Radisson Blue Hotel, Ranchi, during 11 and 12 April 2014.
- Professor S.K. Tewari delivered a lecture in a Jharkhand state level Seminar on Nine years of RTI Act - Role of Civil Society in Enhancing Transparency. The seminar was jointly Organised by Media Information and Communication Centre of India (Goa), FES-India, New Delhi, Jharkhand RTI Forum, and Federation of Jharkhand Commerce and Industry. It was held during 19-20 April 2014 in the Chamber Hall, Ranchi.
- Professor S.K. Tewari participated in Jharkhand State consultation on 'Right to City for Homeless and Urban Poor' on 30 April 2014 at Hotel BNR Chanakya, Ranchi.
- Professor S.K. Tewari attended a meeting of Journalism and Mass Communication Syllabus Committee of Nalanda Open University, Patna, held on 3rd May 2014.
- Professor S.K. Tewari Acted as Observer on 04 May 2014 for All India Pre Medical Test 2014 conducted by Central Board of Secondary Education in Patna.
- Professor S.K. Tewari Co-Chaired a session in the National seminar on Peace, Development and Social Harmony held in Ahmedabad (Gujarat) on 27 and 28 August 2014. It was jointly organized by Peace Research Centre, Gujarat Vidyapith and IASE Deemed University, Saradarshahar, Rajasthan. He has also presented a paper on "Hate Speech: a Study of the Provisions of Indian Penal Code".
- Professor S.K. Tewari delivered an invited lecture on "Philosophy of Press Freedom: Past, Present and Future" at the Maharaja Sayajirao University of Baroda, Vadodara (Gujarat), on 30 August 2014
- Professor S.K. Tewari delivered a lecture on 04 April 2014 on Press and Registration of Books Act 1867 at a workshop organized jointly in Ranchi by IPRD, Government of Jharkhand, and UNICEF.
- Professor S.K. Tewari attended National Consultation on Media Laws organized by Law Commission of India and National Law University, Delhi, on 27 September 2014 in New Delhi.
- Dr. DevVrat Singh delivered two lectures as resource person in the 'One-week National Workshop on Media Writing' organized by Centre for Mass Communication, Central University of Jharkhand from 17th November 2014 to 23rd November 2014
- Dr. DevVrat Singh delivered a lecture on 04 April 2014 on Cable Television Act, 1995 at a workshop organized in Ranchi jointly by IPRD, Government of Jharkhand, and UNICEF.
- Dr. DevVrat Singh Delivered lecture on the topic of *Hindi aur Hinditar Bhashaaon me inpulnirman ke sandarbh* in *Hindi Rajbhasha Sangoshti* on 18th December 2014 organized by Hindi Cell of



IX. SCHOOL OF MASS COMMUNICATION AND MEDIA TECHNOLOGIES

1. Centre for Mass Communication *contd...*

Central University of Jharkhand.

- Dr. DevVrat Singh acted as Judge in a Poster, Model & Photography Competition organized by Centre for Water Engineering & Management on 21st March 2015 in the Central University of Jharkhand, Ranchi
- Dr. DevVrat Singh attended special lecture on the topic of “Emerging Dimensions of India’s foreign policy” delivered by Mr. Muchkund Dubey on 27 February 2015
- Dr. DevVrat Singh attended one day workshop on Statistical Tools in SPSS organized by Central University of Jharkhand on 19th July 2014
- Mr. Rajesh Kumar attended UGC sponsored Refresher Course in ‘Film and Other Media in Historical Context’ at Academic Staff College, Jadavpur University, Jadavpur from 03 to 23 December, 2014.
- Mr. Rajesh Kumar attended 6th International Seminar on Human Resource organized by Institute for Social Development and Research (ISDR), Ranchi from 01 to 04 November, 2014.
- Mr. Rajesh Kumar attended SPSS Workshop organized by Central University of Jharkhand on 19 July 2014.
- Mr. Rajesh Kumar worked as Coordinator for one-week National Workshop on Media Writing-2014 organized by Centre for Mass Communication, Central University of Jharkhand from 17 to 23 November, 2014.
- Mr. Rajesh Kumar act as Columnist for a media education based website <http://www.newswriters.in/>.
- Mr. Rajesh Kumar worked as Issue Editor of University Newsletter ‘CUJian Age’.
- Mr. Rajesh Kumar organized CUJ Trekking Expedition to Thakurgaon on 11 April 2015.
- Mrs. Rashmi Verma attended UGC sponsored Refresher Course in ‘Film and Other Media in Historical Context’ at Academic Staff College, Jadavpur University, Jadavpur during 03 - 23 Dec, 2014.
- Mrs. Rashmi Verma attended one-week National Workshop on Media Writing-2014 organized by Centre for Mass Communication, Central University of Jharkhand from 17 to 23 November 2014.
- Mrs. Rashmi Verma Attended 6th International Seminar on Human Resource organized by Institute for Social Development and Research (ISDR), Ranchi from 01 to 04 November, 2014.
- Mrs. Rashmi Verma Attended SPSS Workshop organized by Central University of Jharkhand on 19 July 2014.
- Mrs. Rashmi Verma Coordinated National debate competition on “Eradication of ragging” on 12th September, 2014 in Central University of Jharkhand, as a member of Anti-Ragging Committee.
- Mrs. Rashmi Verma coordinated one day Special Lecture on ‘Television in India: Journey So Far’ organized by Centre for Mass Communication, Central University of Jharkhand from 19 September, 2014.
- Mrs. Rashmi Verma worked as columnist for a media education based website <http://www.newswriters.in/>
- Mrs. Rashmi Verma acts as content Editor of University Newsletter ‘CUJian Age’.
- Mr. SudarshanYadav attended a SPSS workshop organized CUJ on 19 July 2014.



IX. SCHOOL OF MASS COMMUNICATION AND MEDIA TECHNOLOGIES

1. Centre for Mass Communication *contd...*

- Mr. SudarshanYadav act as Panel Judge in the Speech Contest and Parliamentary Debate on National Science Day organized by Quark Ensemble (a Science organization of CUJ) on 27 February 2015.
- Mr. SudarshanYadav worked as Issue Editor of CUJian Age, July 2014.
- Dr. Paramveer Singh attended One week workshop on 'Media Writing' organized by Centre for Mass Communication, CUJ from 17th Nov. to 23rd Nov, 2014
- Dr. Paramveer Singh Attended One week short term course on 'Academic and Research Paper Writing' organized by National Institute of Technical Teachers Training and Research, Bhopal from 2nd Feb to 6th Feb, 2015
- Dr. Paramveer Singh attended One day workshop on Statistical tools in SPSS organized by CUJ on 19th July, 2014
- Dr. Paramveer Singh Content Editor of University Newsletter 'CUJian Age'.

Students' Activities:

- Student of 2nd Semester Medha Shukla participated in Vikram Chhabra Memorial Inter College Debate Competetion organized by Rotary Club and won best speaker Prize for the motion
- Student of 4th Semester Ramiz Akhtar won gold medal in 5th Jharkhand State Karrate Championship-2015, held at Jamshedpur.
- Student of 2nd Semester Udit Pal won 1st prize in Anti-Ragging debate competition organized by Central University of Jharkhand
- Student of 2nd Semester Udit Pal won 2nd prize in Sardar Vallabh Bhai Patel Debate Competition organized by Central University of Jharkhand
- Student of 2nd Semester Udit Pal won 4th prize in National Level IDEA's Techkriti competition organized by IIT, Kolkatta
- Student of 2nd Semester Udit Pal won 1st prize in National level Business Plan Competition organized by NIFFT, Ranchi
- All students of 10th semester got offer letter for job in ETV, Hyderabad
- Student of 7th Semester Ashutosh Kumar Gupta got Job in ETV, Hyderabad
- Student of 2nd Semester Rishabh Raj represented Central University of Jharkhand in All India East Zone Volleyball Championship

Publications:

Journal:

- S.K. Tewari (2014), "Hate Speech vs Free Speech: A Study of IPC Provisions", Communication Today, Jaipur, July-September 2014, 16, 3, ISSN 0975-217X.
- S.K. Tewari (2014), "Why I Write, What I Write", Communication Today, Jaipur, April-June 2014, 16, 2, pp.71-78, ISSN 0975-217X.
- S.K. Tewari (2014), "Baba Saheb ne Anuchched 370 ka virodh kiya tha", Panchjanya, New Delhi, 20 April 2014, 68, 47, pp.36.
- S.K. Tewari (2014), "Mahatma Gandhi: An Existential Journalist", Communication Today, Jaipur, October-December 2014, 16, 4, ISSN 0975-217X.



IX. SCHOOL OF MASS COMMUNICATION AND MEDIA TECHNOLOGIES

1. Centre for Mass Communication *contd...*

- S.K. Tewari, M.V. Kamath (2014), "An Unassuming Journalist", Communication Today, Jaipur, October-December 2014, Vol. 16, No. 4) ISSN 0975-217X
- S.K. Tewari (2014), "India doesn't need statutory Press Council, Journal of Advanced Research in Journalism and Mass Communication, 1, 2.
- DevVrat Singh (2014), "Media Concentration and Diversity in Media", Mass Media 3, 31, 2014, Media Studies Group, Delhi, ISSN 2277-7369.
- DevVrat Singh (2015), "Media Research in India: A Critical Overview, Mass Media, 3, 36, Media Studies Group, Delhi, ISSN 2277-7369.
- Paramveer Singh (2014), "Online Shopping: Using pattern among the students of Central University of Jharkhand", International Research journal 'Review of Research' Vol. III, Issue X, July, 2014, ISSN- 2249-849X.
- Paramveer Singh (2014), "Attitude of rural children towards television cartoon program", Golden Research Thoughts, 4, 1, July, 2014, ISSN 22315063.

Book/ Chapter in a Book

- S.K. Tewari (2014), "Press Self-regulation in India: Lessons to Learn from USA and Canada", Proceedings of 3rd Annual International Conference on Journalism & Mass Communications (JMComm 2014) held in Singapore on 22 and 23 September 2014, Print ISSN: 2301-3710, E-Periodical ISSN: 2301-3729.
- DevVrat Singh (2014), "Television Production", Makhanlal Chaturvedi National University of Journalism and Communication, Bhopal, Edition: First, Year 2014, ISBN: 978-81-921355-5-7.
- Rashmi Verma (2014), "Jan Sanmpark", Visheshikrit Patrakarita, University Publication, Delhi, Edition: First, Year: 2014, ISBN 978-81-7555-656-0.
- Rashmi Verma (2014), "Ek Ropa Dhan Vritchitraka Adhyanaur Gramin Parivesh me in Prasangikta", Media Ki Nayi Chunautiyaan, Kanishka Publication, Delhi, Edition: First, Year: 2014, ISBN 978-81-8457-649-8.
- Rashmi Verma (2015), "Public Relations: An Essential function of effective management", Human Resource Published by Institute for social development and research, ISBN 978-93-84686-04-8.



X. School of Lanaguages

The School of Langugues has four Cenres, viz.

1. *Centre for English Studies*
2. *Centre for Far East Languages (Chinese, Tibetan & Korean)*



X. SCHOOL OF LANGUAGES

1. Centre for English Studies

Mission Statement :

The Centre envisions creating World class environment for teaching and learning English language and literature. It aspires to nurture deeper analytical sensibilities in learners with equally efficient language and communication skills so that they could effectively cope up with the professional challenges of their lives.

About the Centre :

The Centre for English Studies came into being with the very inception of Central University of Jharkhand and started its first academic programme in the session 2009-10. Ever since it was established in 2009, the Centre has emerged as a major Centre for teaching and learning English literature and Language. The Centre offers Five Year Integrated M. A. and Ph. D. programmes in English. Moreover, the Centre also offers courses in functional English and English for Specific purposes to the students of various Centres of the University such as Engineering, Management, Mass Communication and Applied Sciences.

Academic Programmes:

- Five Year Integrated Masters Programme in English
- Ph.D. in English

Regular Faculty:

- Dr. Shreya Bhattacharji, Associate Professor & Head
- Dr. Rahul Chaturvedi, Assistant Professor
- Dr. Sandeep Kumar Yadav, Asst. Professor
- Dr. Ranjit Kumar, Asst. Professor
- Dr. Mayank Ranjan, MA, Ph.D. (Patna University), Assistant Professor

Contractual Faculty:

- Dr. Amit Kumar Dubey, Asst. Professor
- Dr. Md. Aslam Parwez, Asst. Professor

Centre Head: Dr. Shreya Bhattacharji

Activities

Faculty:

- **Dr. Shreya Bhattacharji** invited to chair a session at the National Seminar on **Cultural Heritage of Arunachal Pradesh** organized as part of 39th Foundation Day Celebrations of Indira Gandhi Rashtriya Manav Sangrahalaya, Bhopal, March 21-23, 2015.
- **Dr. Shreya Bhattacharji** invited to address the Students and Faculty of Sri Sathya Sai Gurukulam English Medium School, Rajahmundry, Andhra Pradesh, January 28-29, 2015.
- **Dr. Shreya Bhattacharji** delivered a Special Lecture on **"Stories We Would Rather Not Hear: Women in Prisons of India"** on the broad topic **Culture Therapy, Women and Indian Prisons** at the Department of English, Kalyani University, Kalyani, West Bengal, August 14, 2014.
- **Dr. Rahul Chaturvedi** participated in **three-week long** Refresher Course on **Cultures of Margin** organized by Academic Staff College, Jadavpur University Kolkata, West Bengal. 2014



X. SCHOOL OF LANGUAGES

1. Centre for English Studies contd...

- **Dr. Ranjit Kumar** presented a paper in seminar titled *"Significance of Sartorial Imageries in Macbeth"* sponsored by UGC and org by Dept. of English, Rajendra College, Chapra in collaboration with P.C. Vigyan College, Chapra on 27th Feb. 2015.
- **Dr. Mayank Ranjan** presented a paper in seminar titled *"Hamlet in Purgatory: A Study of Morality"* sponsored by UGC and org by Dept. of English, Rajendra College, Chapra in collaboration with P.C. Vigyan College, Chapra on 27th Feb. 2015.
- **Dr. Mayank Ranjan** invited to deliver special lectures on **ELT and Soft Skill Development**, at the Department of English, BSILS, T.M. Bhagalpur University, Bihar from 14th Oct to 16th Oct 2014.
- **Dr. Amit Kumar Dubey**, presented a paper entitled *"Shifting Paradigm of Cultural Dialectics in the Novels of Manju Kapur"* presented at National Seminar on Feminism & Beyond: Identity, Gender and Politics, held on February 26-27, 2015 at Deen Dayal Upadhyaya Gorakhpur University.
- **Dr. Md. Aslam Parwez** participated in National Seminar on the **Language and Culture of Sangam Age and Its Impact on Indigenous-Tribal Communities in India** (from 31st March to 2nd April), 2014 at CUJ; also presented a paper on *Dalit Consciousness: a New Trend of Indian Writing in English*.
- **Dr. Md. Aslam Parwez** participated in National Conference on **Sustainable and Development: Implications of ELT for Individual Society and Ecology** during 3-4 April, 2015 in IIT Patna; also presented a paper on *Challenges of English Language Teaching in Rural Areas*.
- **Dr. Md. Aslam Parwez** participated in National Seminar on *Knowledge Society for Sustainable Development*, jointly organized by St. Xavier's College, St. Xavier's College of Management and Technology, and Xavier Institute of Social Research on April, 11-12, 2015, at Patna; also presented a paper on *Amalgamating Literary Criticism and Ecocriticism to the narrative interactions of Carson's Silent Spring*.

Publications

Journals

- Bhattacharji, Shreya (2015), *"Re-reading Globalization without Blinkers: Aravind Adiga's The White Tiger and Pseudo-Democratic India"* in *Journal of Advanced Studies*, Vol I, January 2015 Edited by Ujjal Kumar Sur and Shreya Mitra, ISSN 2394-7241.
- Bhattacharyya, Amitabha and Bhattacharji, Shreya (2014), *"Margin to Metropolis: Lepchas of India and Igbos of Nigeria"* in *Salesian Journal of Humanities and Social Sciences*, Vol V, No 2, December 2014, Platinum Jubilee Special Edition (First Volume), Contextual Management: Theories and Practices, Edited by Sandeep Singh and Shomik Saha ISSN: 0976-1861.
- Ranjit Kumar (2014), *"Representation of Sexual violence in Kamala Markandaya's Novels"*, Fictional Capital: New Perspectives on Indian English Fiction" (ISBN No. 978-81-8043-110-4)

Book / Chapter in Book

- Bhattacharji, Shreya: *"Foregrounding the Margin: Traditional Value Systems of Lepchas of India and Igbos of Nigeria"* in an anthology *Performing Identities: Celebrating Indigeneity in the Arts* edited by G. N. Devy et al., Routledge, Taylor & Francis Group, India, UK, 2015. ISBN



X. SCHOOL OF LANGUAGES

1. Centre for English Studies *contd...*

978-1-138-79599-0.

- Chaturvedi, Rahul. “**Thus Spoke Caliban: The Making and Unmaking of Historical Beast in Tabish Khair’s *The Thing about Thugs***” in *Tabish Khair: Critical Perspectives*. Ed. Cristina M. Gámez-Fernández and Om Prakash Dwivedi. UK: Cambridge Scholar Press. 2014.
- Ranjan, Mayank: **Theory and Practice of Socio Linguistics**; Globus Press, New Delhi, ISBN-978-93-82484-15-8.
- Aslam Parwez (2014), *Contesting Dominance in Select Dalit Female Dalit Autobiographies published In Fictional Capital: New Perspectives on Indian English Fiction*, ed. Md. Equebal Hussain; ISBN No. 978-81-8043-1104, Creative Books, New Delhi: 20014



X. SCHOOL OF LANGUAGES

2. Centre for Far East Languages (Chinese, Tibetan & Korean)

Mission Statement:

The Centre for Far East Languages envisages for producing language professionals by imparting world class education in foreign languages and culture with the aim to become a Centre of Excellence in this field and serve the needs of the society at large.

About the Centre:

The Centre consists of Chinese, Korean and Tibetan and is under the aegis of School of Languages, Central University of Jharkhand.

Academic Programmes:

Ph.D., Integrated M.A., Diploma and Certificate courses

Chinese Language

Regular Faculty:

1. Mrs. Arpana Raj, Assistant Professor
2. Mr. Sandeep Biswas, Assistant Professor

Contractual Faculty

Ms. Khana Baidya, Guest Faculty

Centre Head/Coordinator: Dr. Konchok Tashi

Activities:

Debate, Essay and Calligraphy contest was conducted during 'Chinese Competition for University Students (大学生中文比赛)' organized by Centre for Far East Languages, Chinese on 19th December 2014.

Faculty:

Mr. Sandeep Biswas is presently working in e-Pathashala funded by MHRD

Student:

Participated and secured First, Second & Third positions in debate, essay and calligraphy contest which was conducted during 'Chinese Competition for University Students (大学生中文比赛)' organized by Centre for Far East Languages, Chinese on 19th December 2014.

Tibetan Language

Regular Faculty:

1. Dr. Konchok Tashi, Assistant Professor
2. Dr. Kalsang Wangmo, Assistant Professor

Centre Coordinator: Dr. Konchok Tashi



X. SCHOOL OF LANGUAGES

Centre for Far East Languages (Chinese, Tibetan & Korean)

Activities:

Faculty:

- Dr. Kalsang Wangmo: Paper co-ordinator, The Sub Committee of Standing Committee, e-PG Pathshala has approved/sanctioned the content development on subject '**Buddhist Studies**' under the **Project of Production of Courseware e-Content for Postgraduate Subjects** (e-PG Pathshala), project awarded to UGC by the MHRD under its National Mission on Education through ICT. **Prof. H. P. Gangnegi**, Principal Investigator and **Dr. Indra Narain Singh**, Co-Principal Investigator.
- **Dr. Kalsang Wangmo** attended the **11th United Nations Day of Vesak Celebrations and Conference in Vietnam 2014**. The thrice-sacred day of Vesak celebrating the Birth, Enlightenment and Passing Away of Lord Gautama Buddha, **is recognized by the United Nations through a resolution adopted at its General Assembly in 1999**.

Publication:

- Tashi, Konchok. (2014). Ladakhi Language. In *Koul, Omkar N. (ed.) PLSI volume on Languages of Jammu & Kashmir. Orient Blackswan, New Delhi*.
- Tashi, Konchok. (2014). Body part terms in Tibetan language: A cognitive perspective. In *Anusilana: Research Journal of Indian Culture, Social and Philosophical stream* (Refereed journal with ISSN 0973-8762) by Banaras Hindu University, Vol. LVI.

Korean Language

Regular Faculty:

- Mr. Mukesh Kumar Jaiswal, Assistant Professor
- Mr. Sashi Kumar Mishra, Assistant Professor

Contractual Faculty:

- Mr. Sanjay Kumar Jha, Assistant Professor (on contract)
- Mr. Rajneesh Ranjan Priyadarshi, Guest Faculty

Centre Head/Coordinator(CFEL): Mr. Konchok Tashi

Co-coordinator CFEL (Korean): Mukesh Kumar Jaiswal

Award/Accolades/Prize/Fellowship received (if any):

- Arya Kumari of Semester 3, IMA Korean got 3rd prize in All India Korean Singing Competition, during Hangeul Day Celebration at Jawaharlal Nehru University, Delhi. (9th – 11th October, 2014).
- Arya Kumari, Vivekanand Sharma, and Sarvottam Kumar Jha got 1st, 2nd and 3rd in All India Essay Writing Competition, during Hangeul Day Celebration at JNU, Delhi. (10th October, 2014).

Activities:

Faculty:

- **Mr. Mukesh Kumar Jaiswal** attended Korean Language Faculty Workshop organized by Korean Culture Centre, India at KCC, New Delhi. (31st Oct. & 1st Nov., 2014)
- **Mr. Mukesh Kumar Jaiswal** organized and accompanied Educational tour of 10 students to



X. SCHOOL OF LANGUAGES

2. Centre for Far East Languages (Chinese, Tibetan & Korean)

visit Korean culture Centre, New Delhi and to participate in Korean Singing & Essay Writing Competition held at JNU, New Delhi during 9th Oct. to 14th Oct. 2014.

- **Mr. Shashi Kumar Mishra** presented paper in an International Seminar organized by Researchers' Association for the Study of Korea (RASK) in collaboration with Department of East Asian Studies, University of Delhi, Delhi. (27th and 28th March, 2015)
- **Mr. Shashi Kumar Mishra** presented paper in an International Seminar organized by Researchers' Association for the Study of Korea in collaboration with department of Asian Studies, Jawahar Lal Nehru University at convention center of Jawahar Lal Nehru University, Delhi. (21st and 22nd March, 2014)
- **Mr. Shashi Kumar Mishra** attended Korean Language Teacher's workshop organized by King Sejong Korean Language Institute, Korean Cultural Center, and Delhi. (31st October -1st Nov. 2014).
- **Mr. Shashi Kumar Mishra** organized an International Seminar in collaboration with Department of East Asian Studies, University of Delhi, and Delhi. (27th and 28th March, 2015).
- **Mr. Sanjay Kumar Jha** presented a paper titled "Terrorism in South Asia : Policy Options for the Modi Government" in National Seminar on "Neighbourhood Initiatives of the Modi Government: Challenges and Road Ahead" organized by Pondicherry University, Puducherry, April 20-22, 2015
- **Mr. Sanjay Kumar Jha** delivered invited lecture on "Korean Creation Myth and Siberian influence" in UGC National Conference on "Comparative Folklore & Mythology: Issues & Perspectives" organized by University of Calicut, on 19-20 March 2015.

Student:

- CUJ to participate in Hangeul Day Celebration at JNU, Delhi. The students also participated in All India Korean Essay Writing Competition and All India Korean Singing Competition (9th to 14th October, 2014).
- Arya Kumari and Sarvottam K. Jha of CFEL(Korean), CUJ participated in All India Korean Language Speech Contest at Korean Culture Centre, Delhi. (Nov., 2014)
- to participate in Korean Language Workshop at University of Delhi, Delhi (25th to 27th April 2015).
- Associate Coordinator, office of International Affairs at Sejong University, South Korea visited Central University of Jharkhand and interacted with the students of CFEL, Korean about various Scholarships program provided by Sejong University. (5th Nov. 2015)

Publications:

Chapter in book

- Jaiswal, Mukesh kr.(2014), *Teaching Korean 2nd Person Pronouns to Indian Learners*, "Korean Studies in India and South Asia" Vol. 2 (ISBN No. 978-81-7211-333-9) Edited by Neerja Samajdar; Nothern Book Centre, New Delhi (72-84), 2014



XI. SCHOOL OF NATURAL RESOURCES MANAGEMENT

The School of Natural Resources management has three Centres, viz.

1. *Centre fo Water Engineering and Management*
2. *Centre for Land Resource Management*
3. *Centre for Environmental Science*



XI. SCHOOL OF NATURAL RESOURCES MANAGEMENT

1. Centre for Water Engineering and Management

Mission Statement:

Water is the most essential constituent necessary for survival of all living beings on the earth. Ensuring continuing availability and need-based distribution of good quality water can form the single most important mission for all countries of the World. All this is possible only if proper awareness is brought about and competent manpower is trained and made available in the area of Water Engineering and Management. The Centre offers a balanced curriculum, covering the engineering aspects of water resource development and management. Students are trained to acquire sufficient knowledge to workout viable and sustainable solutions in the area of integrated water resources management.

About the Centre:

The Centre for Water Engineering and Management was started in July, 2010 under the School of Natural Resources and Management, Central University of Jharkhand. The Centre offers 5 years Integrated M.Tech program in Water Engineering and Management, a first of its kind in India and also Ph.D program in Water Engineering and Management. It offers a balanced curriculum, covering both the engineering as well as management aspects of water resource development.

Academic Programs:

- year Integrated M. Tech. programme
- Ph.D programme

Regular Faculty:

- Dr. H. P. Singh, Professor
- Dr. Ajai Singh, Head and Associate Professor
- Dr. P. K. Parhi, Assistant Professor
- Dr. V. K. Tripathi, Assistant Professor
- Er. Birendra Bharti, Assistant Professor
- Er. Pratibha Warwade, Assistant Professor

Contractual Faculty:

- Er. Pancham Kumar, Assistant Professor (on contract)

Laboratory Staff:

- Mr. Rana Ranveer Singh, Technical Assistant
- Mr. Narendra Kumar Rai, Laboratory Attendant

Centre Head: Dr. Ajai Singh, Associate Professor

Honor/Recognition:

- Centre for Water Engineering and Management continues to be empanelled as State Technical Agency for Department of Drinking Water and Sanitation, Govt. of Jharkhand.
- Dr. V.K. Tripathi has been empanelled as Individual National Level Expert (NLE) for the Ministry of Drinking Water and Sanitation, Govt. of India.



XI. SCHOOL OF NATURAL RESOURCES MANAGEMENT

1. Centre for Water Engineering and Management *contd...*

Activities:

- Centre for Water Engineering and Management celebrated World Water Week during March 15-22, 2015. Students of the centre visited 5 Blocks of Ranchi districts and created awareness for water conservation and preservation through play, audio-visual aid and Nukkad Natak with the support of Block Development Office of the respective blocks. On March 22, 2015 (World Water Day), Sri Sanjay Kumar, Senior Manager, Damodar Valley Corporation, Hazaribagh graced the occasion as Chief Guest.

Faculty:

- **Dr. Ajai Singh** attended a Workshop on Application of WEAP model for Eco-Hydrological Modeling in Watershed Management organized by National Institute of Hydrology, Roorkee under Neeranchal Project during March 3-4, 2015 at New Delhi.
- **Dr. Ajai Singh** presented a paper titled “Quantification of uncertainty in neural network models” in the National Workshop on ‘Challenges and Opportunities for management of Water Supplies in Rural Area’ during January 23-24, 2015 at Indian School of Mines, Dhanbad, Jharkhand.
- **Dr. H. P. Singh** in collaboration with T. Muni presented paper titled “Effects of Betel nut Husk Fiber on CBR Value of Itanagar Soil” in Indian Geotechnical Conference (IGC)-2014 held at Kakinada, India during December 18-20, Paper No.T 03P110.
- **Dr. V. K. Tripathi** presented a paper titled “Impact of intermittent flushing on emitter plugging under the influence of different water quality” in the International Conference on ‘Natural Resource Management for Food Security and Rural Livelihoods’ held at National Agricultural Science Centre Complex, New Delhi during February 10-13, 2015. Co-authors: T.B.S. Rajput., N. Patel, and Mukesh Kumar.
- **Dr. V. K. Tripathi** attended Twenty one Days Refresher Course on “Information Technology (All Subjects)” at UGC-Academic Staff College, Ranchi University, Ranchi, during 03rd January to 23rd January, 2015 sponsored by UGC, Ministry of Human Resources Development, Govt. of India, New Delhi.
- **Er. Pratibha Warwade** attended an Orientation Course from 09th March to 4th April 2015 at U.G.C. Academic Staff College, Rani Durgawati Vishwavidyalaya, Jabalpur, M.P.

Students:

- Students of 4th and 6th Semester were undergone summer practical training at JUSCO, Jamshedpur; Tata Steel, Jamshedpur; Obra Hydel Power Plant, Obra, U.P.; Bokaro Steel Plant, Bokaro; Jharkhand State Groundwater Directorate, Ranchi; National Highway Authority of India; Damodar Valley Corporation, Hazaribagh; Public Health Engineering Department, Dholpur, Rajasthan.
- Sunny Agarwal, Pappu Kumar and Dibyanshu have qualified the GATE-2014 examination under the subject Civil Engineering.

Publications:

Journals:

- A. Singh (2015), “Modeling Stream Flow with prediction uncertainty by using SWAT hydrologic and RBNN models for agricultural watershed in India”, accepted in National Academy Science Letters.



XI. SCHOOL OF NATURAL RESOURCES MANAGEMENT

1. Centre fo Water Engineering and Management *contd...*

- H.P. Singh, T. Muni, Y. Jeram, K. Padu, and O. Yachang (2014), „Strength and Stiffness Response of Itanagar Soil Reinforced with Arecanut Fiber”, International Journal of Innovative Research in Science, Engineering and Technology, 3(10), 16659-16667.
- V.K. Tripathi, T.B.S. Rajput, and N. Patel (2014), „Performance of different filter combinations with surface and subsurface drip irrigation systems for utilizing municipal wastewater”. Irrigation Science, 32(5), 379-391. DOI 10.1007/s00271-014-0436-2.
- P.K. Parhi, and R.N. Sankhua, (2014), „Beyond the Transboundary River-Issues of Riparian Responsibilities” Journal of the Institution of Engineers (India): Series A, 94(4), 257-261.
- P.K. Parhi (2014), „Managing Water Scarcity in Irrigated Agriculture: Critical Issues Concerning Future Needs”. Jamsedpur Research Review, International Research Journal, 2(8), 50-59.

Book /Chapter:

- A. Singh (2015), „Economic Returns for Drip Irrigated Tomato”, In ‘Research Advances in Sustainable Micro Irrigation: Applications of Furrow and Micro Irrigation in Arid and Semi-Arid Regions, Apple Academic Press, USA
- V.K. Tripathi, T.B.S. Rajput, Neelam Patel, and Pradeep Kumar (2014), „Biometric Response Of Eggplant Under Sustainable Micro Irrigation With Municipal Wastewater”, Book Chapter # 16, Sustainable Practices In Surface And Subsurface Micro Irrigation, Apple Academic Press, USA, ISBN: **9781771880176**.
- V.K. Tripathi, T.B.S. Rajput, Neelam Patel, and Lata (2014), „Quality of Municipal Wastewater for Sustainable Micro Irrigation”, Book Chapter # 07, Sustainable Micro Irrigation Management for Trees and Vines. Apple Academic Press, USA. ISBN: **978-1-77188-025-1**.



XI. SCHOOL OF NATURAL RESOURCES MANAGEMENT

2. Centre for Land Resource Management

Mission Statement:

Centre started functioning in January 2012, under the *School of Natural Resource Management* with a mission to provide education in the field Geoinformatics **for Land Resources Management** aiming towards policy formulation, sustainable development of the society and the environment.

About the Centre:

The Centre for Land Resource Management started functioning in January 2012, under the School of Natural Resource Management. The Centre is equipped with basic and state of art equipments, which includes Workstations, Server, DGPS, Handheld GPS, DSLR camera, Scanners, plotters as well as various GIS and Image Processing softwares viz., Geomatica, MAPINFO, IGIS, Erdas Imagine, AutoCAD and eCognition.

The Centre for Land Resource Management is committed to serve the academic community and society as a whole through terrestrial and extra-terrestrial research base in collaboration with Indian Space Research Organization (ISRO), Columbia Water Centre (CWC), Columbia University, New York, Survey of India (SOI), Geological Survey of India (GSI) and various academic/ research institutions of national and international repute.

Academic Programmes: The Centre offers the following courses:

1. Ph.D.
2. Integrated M.Tech. in Geoinformatics
3. M.Sc. in Geoinformatics
4. Diploma in Geoinformatics

The futures plans of the Centre include extensive interdisciplinary research programmes by students and faculties in various areas of resource management using Geoinformatics.

Regular Faculty:

- **Prof. A.C. Pandey**, Professor & Head, Centre for Land Resource Management, Dean, School of Natural Resource Management
- **Dr. Laxmi Kant Sharma**, Assistant Professor
- **Dr. Kanhaiya Lal**, Assistant Professor
- **Dr. Amit Kumar**, Assistant Professor
- **Mr. Kiran Jalem**, Assistant Professor

Contractual Faculty

- **Dr. Shruti Kanga**, Assistant Professor (On Contract)
- **Dr. Suraj Kumar Singh**, Assistant Professor (On Contract)

Centre Head: **Prof. A.C. Pandey**

Awards/ Accolades/ Prizes/ Fellowship received:

Life, Member, International Society of Environmental Botanist (*Mem.No.LM/616/2015*).



XI. SCHOOL OF NATURAL RESOURCES MANAGEMENT

2. Centre for Land Resource Management *contd...*

Research Project received:

- MoEF, GoI in principle approved a research project with financial assistance of Rs. 38,44,800/- to **Prof. A.C. Pandey** for the project entitled '*Implication of changing climate on flood severity in Bihar flood plains using Geoinformatics: A case study of Kosi Basin*'.

Consultancy received/ Collaborations:

- Dr. A. Kumar** and **Prof. A. C. Pandey** received a research grant of US\$15,536 (ca. INR 9.63 Lakhs) for the project entitled '*Multi-purpose R&D pilot projects for assessing the feasibility of cost effective and sustainable technologies for drinking water storage and distribution in rural areas of Jharkhand: A pilot study at Sanga Village*' sponsored and sub-awarded by Columbia Water Centre (CWC), Columbia University, New York in July 2014 (Status: On Going).
- Centre continued long term collaboration with Shri Krishna Institute of Public Administration (SKIPPA), Ranchi, Govt. of Jharkhand as a Technical Sub-committee member in National Land Records Modernization Program, Govt. of India.
- Centre continued long term collaboration with Department of Disaster Management, Govt. of Jharkhand as a knowledge partner in the area of Disaster Management.

Activities:

- Centre organized 1st Meeting of the Board of Studies (BOS) of Centre for Land Resource Management (CLRM) on 17 November 2014.
- Centre organized One Day Seminar on "Microvita – A New Science of Reality" on November 28, 2014. Guest of Honour, Dr. H. J. Rodolph, Founding Member and chairman of Microvita Research e.v., Germany delivered a lecture on Microvita.
- Centre successfully conducted a 08 Day tour to Visakhapatnam during 22nd to 29th Dec. 2014 as a part of their academic course curriculum activity. The tour was coordinated by **Prof. A.C. Pandey** and **Er. Kiran Jalem** to provide a field exposure. Students also visited various organizations and institutes in the region i.e., Visakhapatnam (IMD Centre in Andhra University Campus, Doppler Radar Visit on Eastern Ghat Hill-Kailasa Giri, Bhimili Red Land Hills, Araku Valley, Light House on Dolphin Hill, Visit to Naval Dockyard-Submarine Cruise etc. and to study the post Hudhud Cyclone impact on north coastal districts of Andhra Pradesh.
- Centre organized and successfully completed 14th ISRO EDUSAT outreach Certificate course on basics of RS, GIS & GNSS during 4th August to 14th November 2014.

Paper Presentation/ Workshop/ Training Programme Attended:

- L.K. Sharma**, 2015. Paper presented in International conference on: "*Plants and environmental Pollutions*", ICPEP-5, at NBRI-CSIR (Lucknow) during February, 24th-27th 2015.
- Kumar**, 2014. Estimation of Carbon Footprint in Ranchi Urban Ecosystem using Geoinformatics Techniques. Paper accepted for oral presentation in an International event '*Tropical Ecology Congress, 2014*' to be held at JNU, New Delhi during 10th to 12th December, 2014.
- L.K. Sharma** attended UGC sponsored 77th **Orientation course** at UGC Academic Staff College, Ranchi University, Ranchi during 10th March-06th April, 2014.
- K. Jalem** attended 'Brainstorming Workshop on Renewable Energies (RE): Carbon Capture and Storage (CCS)', sponsored by Center of Energy & Resource Development, MHRD, Govt. of India,



XI. SCHOOL OF NATURAL RESOURCES MANAGEMENT

2. Centre for Land Resource Management *contd...*

IIT (BHU) and delivered address at the Technical Session on Climate Change & Carbon Capture as a speaker in this Brainstorming Workshop during November 18-19, 2014.

- **K. Jalem** attended UGC Sponsored Refresher Course In “Disaster Management (Inter-Disciplinary)” in Academic Staff College, UGC-HRD Centre, Ranchi University, Ranchi during 10th to 30th March 2015.

Student's Participation:

- Five students of Int. M.Tech Geoinformatics (2013-18) attended short term course on Digital Image Processing and its applications during 26th Dec. 2014 to 06th Jan. 2015 organized by IIT at ISM, Dhanbad. (Anuj Prakash Kushwaha, Shahraf Shahid, Avinash Ranjan, Qaumar Iqbal and Rajesh Kumar)
- Three students (Siva Subramanian M, Shanti Shwarup Mahto and B S P C Kishore) of Int. M.Tech Geoinformatics (2013-18) awarded third prize in Paper Presentation organized by GREAT Step-2014 at IIT Kharagpur.
- Five students of Int. M.Tech Geoinformatics (2013-18) (Siva Subramanian M, Kishore, Shanti, Smriti, Rupam, Shubhang) participated in Consultative Workshop on Water Resource Management organized by TERI University, Delhi on 11-13 Jan 2015
- The group of Int. M.Tech Geoinformatics (2013-18) namely Shanti Shwarup Mahto, Harikesh Singh, Anuj Prakash Kushwaha, Pratyush secured third position in World Water Day, 2015 organized by Centre for Water Engineering and Management, CUJ.

Publication:

- Yaduvnshi, P.K. Srivastava and **A.C. Pandey. 2015.** Integrating TRMM and MODIS satellite with socio-economic vulnerability for monitoring drought risk over a tropical region of India, *Physics and Chemistry of the Earth*, Elsevier, DOI: <http://dx.doi.org/10.1016/j.pce.2015.01.006> (Accepted, In press)
- **Suraj Kumar Singh**, Brijesh Saklani, Shashi Prakash, Rohit Chauhan and Hemant Gupta (2014) Geospatial Approach for Decentralised Planning at Rajhana Panchayat, Himachal Pradesh. *International Journal of Advancement in Remote Sensing, GIS and Geography*, Vol. 2, No. 2, pp. 27- 43
- **Suraj Kumar Singh**, Vikas Chandel, Himanshu Kumar and Hemant Gupta (2014) RS & GIS based urban land use change and site suitability analysis for future urban expansion of Parwanoo Planning area, Solan, Himachal Pradesh (India). *International Journal of Development Research*, Vol. 4, Issue 8, pp. 1491-1503.
- **S. Kanga**, K. Thakur, S. Kumar, and H. Gupta. 2014. Potential of Geospatial techniques to facilitate the tourist & administration: a case study of Shimla hill station, Himachal Pradesh, (India). *International Journal of Advanced Remote Sensing and GIS*, Vol 3 (1), 681-698, ISSN No. 2320 – 0243.
- **S. Kanga**, LK Sharma, PC Pandey and MS Nathawat. 2014. GIS Modelling Approach for Forest Fire Risk Assessment and Management. *International Journal of Advancement in Remote Sensing, GIS and Geography*, Vol 2., 30-44. ISSN No. 2321-8355.
- A.K.Yadav, **S. Kanga**, R.K. Chauhan. 2015. The Development and Customization of Desktop GIS Application with Map Window & Dot Technology IJSRD. *International Journal for Scientific*



XI. SCHOOL OF NATURAL RESOURCES MANAGEMENT

2. Centre for Land Resource Management *contd...*

Research & Development, Vol. 3, Issue 02, 2015 | ISSN (online): 2321-0613.

- **A.C. Pandey and A. Kumar.** 2015. Spatio-temporal variability of surface water quality of fresh water resources in Ranchi Urban Agglomeration, India using geospatial techniques. *Applied Water Science*. Springer Publication, 5(1): 13-26. DOI: 10.1007/s13201-014-0165-y.
- S.Sinha, C. Jeganathan, **L.K. Sharma** and M.S. Nathawat, 2015. A review of radar remote sensing for biomass estimation. *International Journal of Environmental Science and Technology*. **12 (5): 1779-1792.**
- N. Hoda and **A. Kumar.** 2015. Assessment of Bank Erosion along Major Rivers: A comparative case study of River Son - North Koel Confluence and River Ganges in Jharkhand, *International Journal of Applied Sciences and Engineering Research*. (Accepted, in press)



XI. SCHOOL OF NATURAL RESOURCES MANAGEMENT

3. Centre for Environmental Science

Mission Statement:

The main mission of the Centre for Environmental Sciences is to carry out scientific research in thrust areas, humans and the environment and the sustainable management of natural resources. The Centre aims at making an important contribution to the environmental pollution, food production, climate change, nature and landscape management, soil and water management, rural and urban development and exploitation of underground resources.

About the Centre:

The Centre has diversified interest and biological processes. Linkages between Ecological and Social processes give an additional dimension to Centre's interest, making the work relevant. Therefore, the curriculum has components of multidisciplinary areas such as physical sciences, earth and atmospheric sciences, biology sciences, chemical Sciences and environmental monitoring and management.

Academic Programmes:

- 5 Year Integrated M.Sc. in Environmental Sciences
- Ph. D. in Environmental Sciences

Regular Faculty:

- Dr. Manoj Kumar, Head and Associate Professor
- Dr. Bhaskar Singh, Assistant Professor
- Dr. Purabi Saikia, Assistant Professor
- Dr. Kuldeep Bauddh, Assistant Professor
- Dr. Sushil Kumar Shukla, Assistant Professor (on contract)
- Dr. Kavita Parmar, DST Young Scientist

Center Head: Dr. Manoj Kumar, Associate Professor

Research Projects:

- Project entitled "INSAT 3D Data utilization" funded by Space Application Centre (ISRO), Ahmedabad, PI: Dr Manoj Kumar
- Project entitled "GPS upper Air observational Studies" funded by ISRO Bangalore, PI: Dr Manoj Kumar
- Project entitled "Aerosol radiative forcings over varying vegetative fields and surfaces" funded by DST, GOI, PI: Dr Manoj Kumar
- Project entitled "Phytosociological analysis of forests of Ranchi, Jharkhand, India" funded by UGC, GOI, PI: Dr Purabi Saikia
- Project entitled "Transesterification of biodiesel from *Millettia pinnata* oil from nano-CaO loaded compounds" funded by UGC, GOI, PI: Dr Bhaskar Singh
- Project entitled "Effects of cadmium (Cd) on the yield and quality of *Ricinus communis* seeds and oil" funded by UGC, GOI, PI: Dr Kuldeep Bauddh
- Project entitled "Biomass burning and black carbon effect over paddy field" funded by DST, GOI, PI: Dr Kavita Parmar



XI. SCHOOL OF NATURAL RESOURCES MANAGEMENT

3. Centre for Environmental Science *contd...*

Activities:

Centre:

- Earth Day was celebrated in the Centre with the collaboration with Unnayan on 3rd Sept 2014 funded by the Indian Meteorological Society, Ranchi Chapter, Jharkhand.
- Dr. Bhaskar Singh and Dr. Purabi Saikia guided students from different centers of CUJ under summer internship projects.

Faculty:

- Dr. Bhaskar Singh participated in 69th Orientation Programme at the UGC-Academic Staff College, Banaras Hindu University, Varanasi, from 29.08.2014 to 25.09.2014.
- Dr. Purabi Saikia participated in Orientation Programme from 14th July to 10th August 2014 at UGC - Academic Staff College at Ranchi University, Ranchi.
- P. Saikia, J. Deka, S. Bharali, O.P. Tripathi and M.L. Khan jointly presented paper entitled "Study on tree population status and diversity in West Kameng district of Arunachal Pradesh, Eastern Himalaya" and abstract has been published in page 69 of the Book of Abstracts of an International event Tropical Ecology Congress, 2014 on "Tropical Ecosystem in a changing world" organized by School of Environmental Sciences, JNU, New Delhi.
- Dr. S.K Shukla presented a paper entitled "Enhancement of Agricultural Productivity by Utilization of Distillery Wastewater as in Microirrigation" in National Seminar on CCEPSA-14, organized by Sunbeam Women College, Varanasi during 30-31 August, 2014.
- Dr. S.K Shukla, presented a paper entitled "Bio-diesel: Important fuel for sustainable energy resources" in National Seminar on CCEPSA-14, organized by Sunbeam Women College, Varanasi during 30-31 August-2014

Students:

- Mr. Hemant Kumar Ganju of 2nd semester had participated and won Bronze Medal in State Level Wrestling competition in Pakur, Jharkhand.

Publications:

Journal:

- Abhay Srivastava, Mrinal Mishra, Manoj Kumar. (2015), "Lightning alarm system using stochastic modelling, Natural Hazards, 75, 1, 1-11.
- Abhishek Guldhe, Bhaskar Singh, Ismail Rawat, Faizal Bux (2014), "Synthesis of biodiesel from Scenedesmus sp. by microwave and ultrasound assisted in situ transesterification using tungstated zirconia as a solid acid catalyst", Chemical Engineering Research & Design, 92, 1503-1511.
- Abhishek Guldhe, Bhaskar Singh, Ismail Rawat, Faizal Bux (2015), "Advances in synthesis of biodiesel via enzyme catalysis: Novel and sustainable approaches", Renewable and Sustainable Energy Reviews, 41, 1447-1464.
- Arun K. Dwivedi, Sagarika Chandra, M. Kumar, Sanjay Kumar, N.V.P. Kiran Kumar (2014), "Atmospheric surface layer responses to the extreme lightning day in plateau region in India, Journal of Atmospheric and Terrestrial Physics, 120, 143-149.



XI. SCHOOL OF NATURAL RESOURCES MANAGEMENT

3. Centre for Environmental Science *contd...*

- Arun K. Dwivedi, Sagarika Chandra, M. Kumar, Sanjay Kumar, N.V.P. Kiran Kumar (2014), "Spectral Analysis of Wind and Temperature Components during Lightning in Pre-Monsoon Season over Ranchi", *Meteorology & atmospheric Physics*, DOI:10.1007/s00703-014-0346-0.
- B.S. Murthy, R. Latha, M. Kumar and N.C. Mahanti (2014), "Effect of aerosols on evapo-transpiration", *Atmospheric Environment*, 89, 109-118.
- Devarapaga Madhu, Bhaskar Singh, Yogesh C. Sharma (2014), "Studies on application of fish waste for synthesis of high quality biodiesel", *RSC Advances*, 4, 31462-31468.
- Indra Bahadur, Faizal Bux, Abhishek Guldhe, Kaniki Tumba, Bhaskar Singh, Deresh Ramjugernath, Kandasamy G. Moodley (2014), "Assessment of Potential of Croton Gratissimus Oil for Macro-Scale Production of Biodiesel based on Thermophysical Properties, Energy & Fuels, 28, 7576-7581.
- Jyotsna Singh, Manoj Kumar and V Sivakumar (2014), "Season Specific Daily Diffuse Solar Radiation Fraction Parameterizations for India", *J. Sol. Energy Eng.* 137(1), 011-015, US doi: 10.1115/1.4028563.
- K. Lipi and M. Kumar (2014), "Aerosol and Black Carbon over Indo-Gangetic Basin during Lighting Festival (Diwali) Period Using Aethalometer and Back trajectory Datasets", *International Journal of Engineering Research & Technology*, 3(1), 666-676.
- K.K. Gupta, N. L. Singh, A. Pandey, S.K. Shukla, S. N. Upadaya, P. Srivastava, N. P. Lalla, P. K. Mishra (2015), "Effect of Anatase/Rutile TiO₂ Phase Composition on Arsenic Adsorption, *Journal of Dispersion Science and Technology*, (Accepted).
- Kavita Parmar, Santanu Bhattacharjee (2014), "Studies on Pb (II) and Cd (II) adsorption by Fe (II) and Fe (III) silicate precipitation tubes in aqueous medium, *Journal of Metallurgy and Materials Science*, 56, 125-135.
- Kavita Parmar, Santanu Bhattacharjee (2015), "Adsorption of Zn(II) ions on Calcium Silicate Precipitation Tube (CaSPT) produced through 'silica garden' route, Accepted in *Hydrometallurgy*.
- Kumari Lipi and Manoj Kumar (2014), "Aerosol and Black Carbon Properties During Different Seasons in Eastern Part of India" *Journal of Scientific Research*, 21(10), 1677-1688.
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XI. SCHOOL OF NATURAL RESOURCES MANAGEMENT

3. Centre for Environmental Science *contd...*

- R. Latha, B.S. Murthy, L. Kaundilya, M. Kumar, S.K. Das and N.C. Mahanti (2014), "Temporal variation of 'solar dimming' induced by composite and carbonaceous aerosols: observations from mineral rich eastern Indian region", Journal of Geophysical Research-An American Geophysical Union Publication, 119, 10, 6246-6258.
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- S. Pandey, M. Kumar and N.C. Mahanti (2014), "Assessment of drought severity in various regions of Jharkhand state of India". ISCA-IRJEVS, 3(2), 8-14.
- S. Pandey, M. Kumar, S. Chakraborty and N.C. Mahanti (2014), "A Statistical Comparison of Reference Evapotranspiration Methods: A Case Study from Jharkhand State of India". International Journal of Innovative Research in Science, Engineering and Technology, 3(1), 8765-8777.
- S.K. Shukla, P.K. Mishra and N.L. Singh (2015), "Treatment Techniques for Molasses based distilleries for COD and color removal: A Review", International J of Environmental sciences and Technology, (Accepted).
- Sagarika Chandra, Arun K. Dwivedi and M. Kumar (2014), "Characterization of the atmospheric boundary layer from radiosonde observations along eastern end of monsoon trough of India", J. Earth Syst. Sci., 123(6), 1233-1240.
- Shukla S.K, Tripathi. A, Mishra P.K (2014), "Fungal Decolourization of Anaerobically Biodigested Distillery Effluent (ABDE) Following Coagulant Pretreatment", IJSET, 3, 2, 723 – 734.
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- Bauddh K. (2015), "Ricinus communis a multipurpose crop for sustainable environment", Dream-2047, 16(11), 31-32.
- Singh, M. and Bauddh, K. (2014), "Application of Scientific information in commercial advertisements", Science Reporter, August, 18-19.

Book / Book Chapters:

- Bauddh, K., Sainger, M., Kumar, S., Sainger, P. A., Singh, R.P. (2015), "Biotechnological approaches to mitigate adverse effects of extreme climatic factors on plant productivity" (In Press).
- Bhaskar Singh, Guldhe A, Singh P, Singh A, Rawat I, Bux F. (2015), "Sustainable production of biofuels from Microalgae using a biorefinary approach". Editor: Garima Kaushik. Springer, Chapter # 8.
- Bhaskar Singh, Kuldeep Bauddh, Faizal Bux. (2014), "Algae and Environmental Sustainability" Book Publisher: Springer (India) Pvt. Ltd.
- S.K. Shukla (2015) "Bioremediation and decolourization of biometanated distillery spent wash through Algae" Book Chapter in Edited Book entitled "Algae and Environment Sustainability" Accepted in Springer Publication.
- S.K. Shukla, A. Tripathi (2014), "Cost-benefit analysis of wastewater reuse in micro irrigation", Book Series: Research Advances in Sustainable Micro Irrigation, Accepted in Apple Academic Press, Toronto-2014, (ISBN-9781771881203).



XII. SCHOOL OF ENGINEERING AND TECHNOLOGY

The School of Engineering and Technology has three Centres, viz.

1. *Centre for Energy Engineering*
2. *Centre for Nanotechnology*
3. *Centre for Computer Science - Mobile Computing*



XII. SCHOOL OF ENGINEERING AND TECHNOLOGY

1. Centre for Energy Engineering

Mission Statement:

Energy, the elixir of human existence and catalyst for the development of a Nation, being consumed at faster rate than ever, consequently, leading to both depletion of fossil-fuel based resources and deterioration of global environment, calls for a concerted effort to develop different/diverse sustainable energy technologies like solar and its derivatives; to evolve efficient energy technologies; to implement the best energy conservation practices; and to produce highly skilled manpower in the field of Energy Engineering through world class teaching, research and infrastructure.

About the Centre:

The centre for Energy Engineering came into existence in July 2011 under the school of Engineering and Technology. The centre is committed to the mission and goals of the University for not only in Teaching and Research but also overall development of the region and the country by emphasizing on the need of renewable energy technologies and their applications for the common masses. The first batch of integrated M. Tech. is presently in the 8th semester, with the strength of 36 students from different parts of the country. The centre is in the process of developing new high quality research facility on Energy Engineering under a development and innovation-friendly environment for nurturing and promoting novel ideas with intensive interaction and co-operations at all levels. The Centre of Excellence in Green and Efficient Energy Technology has been established with the funding under FAST scheme of Ministry of Human Resources and Development, Government of India.

Academic Programmes:

- Five year Integrated M. Tech.
- Ph. D. Programme

Faculty:

- Dr. Sanjoy Kumar Samdarshi, Professor & Head
- Dr. Basudev Pradhan, Assistant Professor
- Dr. Sachin Kumar, Assistant Professor
- Er. Bishnu Mohan Jha, Assistant Professor
- Er. Partha Sarathi Panja, Assistant Professor
- Er. Irwin Osmond Toppo, Assistant Professor (Guest faculty)
- Er. Gautam Raj, Assistant Professor (Guest faculty)

Centre Head: Prof. S K Samdarshi

Recognition:

- Prof. S. K. Samdarshi is the senior editor of *SESI Journal* published by Solar Energy Society of India.
- Prof S K Samdarshi was reviewer of curriculum for M.Sc.(Metall. Engg) and Ph.D. (Metallurgy), Department of Material Science and Engg., Jimma University, Ethiopia.
- Dr. Basudev Pradhan is an editorial board member of *Springer Journal, Applied Physics A*.



XII. SCHOOL OF ENGINEERING AND TECHNOLOGY

1. Centre for Energy Engineering *contd...*

Research and Development Projects:

- Establishment of Center for Excellence in Green and Efficient Energy Technology (CoE-GEET) under FAST scheme of Ministry of Human Resources Development, New Delhi at Central University of Jharkhand, Ranchi (2014-contd.); Dr. S.K. Samdarshi (Coordinator and PI), Dr. B. Pradhan (Co-PI), Dr. Sachin Kumar (Co-PI)
- Development of High-Efficiency Organic Photovoltaic Devices funded under Ramanujan Fellowship by Department of Science and Technology, New Delhi (2013-17), Dr. B Pradhan (PI).
- Development of Highly Efficient Hybrid Solar Cells funded by UGC, New Delhi (2014-2016), Dr. B. Pradhan (PI).
- Development of highly efficient inverted organic solar cells funded by SERB-DST, New Delhi (2014-2017), Dr. B Pradhan (PI).
- Establishment of 2 MW solar power plant with the help of Ministry of New and Renewable Energy, New Delhi
- Production of liquid fuel from mixed waste plastics by thermal and catalytic pyrolysis funded by UGC, New Delhi (2014-16), Dr. Sachin Kumar (PI).

Activities:

Centre:

- *Industrial Visit*
An educational tour was arranged for the 8th semester students to Solar Photovoltaic Power Plant, Deoghar, Jharkhand on 19.04.2014.
- *Training*
The students have completed their summer internship in reputed research institutes and organizations like Bhabha Atomic Research Centre (BARC) Bombay; Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) Bangalore; Indian Institute of Science (IISc) Bangalore; Bharat Heavy Electricals Limited (BHEL) Nagpur; Indian Institute of Chemical Technology (IICT) Hyderabad; Centre for Wind Energy Technology (C-WET) Chennai; Central Institute of Mining and Fuel Research (CIMFR) Dhanbad; Jamshedpur Utilities Supply Company (JUSCO) Jamshedpur; Tata Power Jamshedpur and National Institute of Solar Energy (NISE) Gurgaon; Bureau of Energy Efficiency (BEE), New Delhi.
- *Awareness and Training program*
 - I Two days training Programme on “Functioning and Maintenance of Solar Radiation Resource Assessment (SRRA) Station” of Eastern Region states, jointly organised by Centre for Energy Engineering, CUJ and Centre for Wind Energy Technology (CWET), Ministry of New and Renewable Energy, New Delhi, during July 1-2, 2014.
 - II. One day awareness campaign program on AKSHAY URJA DIWAS for the developments of renewal energy in India, celebrated on August 20, 2014.

Faculty:

- **Dr. S.K. Samdarshi** delivered an invited talk on “Application of Solar Thermal Technologies with special reference to the North-Eastern States” at training program on Importance of



XII. SCHOOL OF ENGINEERING AND TECHNOLOGY

1. Centre for Energy Engineering *contd...*

ground solar radiation data in the penetration of solar energy held at Guwahati on May 08, 2014, organized by Assam Power Distribution Company Limited, Assam State Electricity Board, Guwahati.

- **Dr. S.K. Samdarshi** delivered an invited talk on “Solar Thermal Technologies with Special Reference to Solar Radiation Resource” at training program on Functioning and Maintenance of SRRA Station held during July 01- 02, 2014 at Central University of Jharkhand, Ranchi.
- **Dr. S.K. Samdarshi** delivered an invited talk on “Energy Security Paradigm: Shift in the Critically Issues” at International Conference ‘BRIDGES 2015’ held at BBA Central University, Lucknow, U.P., India during January 16-17, 2015.
- **Dr. S.K. Samdarshi** delivered an invited talk on “Nano-metal oxides for solar and photocatalytic applications” at TEQUIP at UICT North Maharashtra University, Jalgaon, on January 20, 2015.
- **Dr. B. Pradhan** delivered an invited talk on “Organic Solar cells” at UGC-SAP sponsored one day Workshop on solar cell, on 15th May, 2014 organized by Department of Applied Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand.
- **Dr. B. Pradhan** delivered an invited talk on “New Generation Solar Photovoltaics” at training program on Functioning and Maintenance of SRRA Station held during July 01-02, 2014 at Central University of Jharkhand, Ranchi, Jharkhand.
- **Dr. B. Pradhan** delivered an invited talk on “Use of zinc oxide nanomaterials in organic solar cells” at Second International Conference on Nanostructured Materials and Nanocomposites (ICNM 2014) held at Mahatma Gandhi University, Kottayam, Kerala, India during December 19-21, 2014.
- **Dr. S.K. Samdarshi** in collaboration with Ranjana Verma presented a paper titled “Role of oxygen vacancies and mixed phase in TiO₂ Photocatalysis” in International conference on ‘Green Energy and smart material through science, technology and management (GESM14)’, held at Guwahati.
- **Dr. S.K. Samdarshi** in collaboration with Biju Mani Rajbongshi, and Anjalu Ramchiary presented a paper titled “Synthesis and characterization of visible active nitrogen doped ZnO”, in International Conference on ‘Green Energy and Smart Materials through Science and Management (GSEM’14)’, held at Guwahati.

Students:

- Mr. Nagmani worked at Bhabha Atomic Research Centre (BARC), Bombay under Indian Science Congress summer internship programme for 2014.

Publications:

Journal

- A. Ramchiary, and S.K. Samdarshi (2015), “Hydrogenation based disorder-engineered visible active N-doped mixed phase titania”, Solar Energy Materials and Solar cells (Elsevier), 134, 381-388.
- R. Verma and S.K. Samdarshi (2014), “Correlating oxygen vacancies and phase ratio/interface with efficient photocatalytic activity in mixed phase TiO₂”, Journal of Alloys and Compounds (Elsevier), 629, 105-112.
- Biju Mani Rajbongshi, and S.K. Samdarshi (2014), “Influence of N-doping on photocatalytic



XII. SCHOOL OF ENGINEERING AND TECHNOLOGY

1. Centre for Energy Engineering *contd...*

activity of ZnO nanoparticles under visible light irradiation", *Materials Letters* (Elsevier), 134, 111-114.

- A. Ramchiary, B.M. Rajbongshi and S.K. Samdarshi (2014), "Investigation of visible light active Ag sensitized mixed phase TiO₂ photocatalyst for solar energy application", *Journal of Sol-Gel Science and Technology* (Springer), DOI: 10.1007/s10971-014-3428-Z.
- B.M. Rajbongshi, Bibha Boro, and S.K. Samdarshi (2015), "Multiphasic bicomponent TiO₂-ZnO nanocomposite: synthesis, characterization and investigation of photocatalytic activity under different wavelength of light irradiation", *Journal of Material Science: Materials in Electronics (JMSE) (Springer)*, 26, 377-384.
- B. Pradhan, S. Albrecht, B. Stiller, and D. Neher (2014), "Inverted organic solar cells comprising low temperature processed ZnO films, *Appl. Phys. A*, 115, 365.
- V.K. Singh, A.B. Soni, Sachin Kumar, and R.K. Singh (2014), "Pyrolysis of sal seed to liquid product", *Bioresource Technology*, 151, 432-435.
- V.K. Singh, A.B. Soni, Sachin Kumar, and R.K. Singh (2014), "Characterization of liquid product obtained by pyrolysis of cottonseed de-oiled cake" *Journal of Biobased Materials and Bioenergy*, 8(3), 338-343.

Books/Chapters

- H.P. Garg, and S.K. Samdarshi (2014), "India: the Global Powerhouse of Renewable Energy", *Renewable Energy 2014*, World Renewable Energy Network, Brighton, UK, 19-27.



XII. SCHOOL OF ENGINEERING AND TECHNOLOGY

2. Centre for Nanotechnology

Mission Statement:

The mission is to impart the intensive knowledge and enabling technology through teaching, research, development, design and engineering in the area of nanotechnology, and also to transfer the technology to industrial sector in order to improve the quality of life and the environment. Equally important, the mission will strive for development of products and processes for national development, especially in areas of national relevance like, materials development for renewal resources of energy, sensors development, drug delivery and advance electronic applications, and safe drinking water, etc. For this, it will forge linkages between the educational and the research institutions as well as with industry to promote Public Private Partnerships.

About the Centre:

The Centre for Nanotechnology was started in July 2010 under the School of Engineering and Technology, which offers five year integrated M.Tech. Program and Ph.D. in Nanotechnology. The Centre is committed to provide state of the art teaching and research facility to its students. Remembering the inherent interdisciplinary nature of nanotechnology, the five years integrated course is designed to develop advanced and broad spectrum of knowledge from all stream of science and engineering required for complete understanding of nanotechnology. In future, the Centre has also planned to peruse high quality research on nanotechnology and to design different functional devices for the service of mankind.

Regular Faculty:

- Dr. Ratan Kumar Dey, Professor & Head
- Dr. Gajendra Prasad Singh, Assistant Professor
- Dr. A.S. Bhattacharyya, Assistant Professor
- Dr. Lawrence Kumar, Assistant Professor

Laboratory Staff:

- Niraj Kumar, Lab Attendant

Activities:

Faculty:

- Dr. G. P. Singh delivered invited talk on “Nanomaterials for hydrogen generation from water for green energy application” in Short-Term Course on ‘New and Renewable Energy Materials and Technology (ANREMT-15)’ on March 23-27, 2015 at ISM, Dhanbad.
- Dr. G.P. Singh delivered invited talk on “Nanotechnology: A future technology of device manipulation” in March, 2015 at Department of Metallurgy, BIT Sindri.
- Dr. G.P. Singh attended Refresher Course on “Nanoscience (Multidiciplinary)” at UGC-HRDC, University of Calicut, Calicut, Kerala, from Sep 17 to October 09, 2014.

Student :

- 09 students qualified GATE examination, among them 4 were selected for M.Tech at IIT Kharagpur, one at IIT, Hyderabad and one at IIT, Bombay for Ph.D. program.
- Pallawi Gupta was selected for Ph.D. program at IIT Gandhinagar.



XII. SCHOOL OF ENGINEERING AND TECHNOLOGY

2. Centre for Nanotechnology *contd...*

- Dibhyashree Kaushik, was selected for Ph.D. programme at TU Eindhoven, Netherlands.
- Pranav Tiwari was selected for project fellowship at Indian Institute of Sciences, Bangalore
- Kundan Kumar was selected for Ph.D. program at IIT, Patna.
- Anand Abhinav was selected for Ph.D. program at Defence Institute of Advanced Technology, (DIAT), Pune, India.
- Prachurya Bharadwaj was selected for admission in Department of Micro and Nano Systems Technology, **Buskerud and Vestfold University College**, Tonsberg, Norway.
- Students have gone to various institutions in India and abroad for Internships and M.Tech research work.

Publications:

- A.S. Bhattacharyya, S. Kumar, S. Jana, P.Y. Kommu, K. Gaurav, S. Prabha, V.S.Kujur, P. Bharadwaj (2015), "Sputter based Epitaxial Growth and Modeling of Cu/Si Thin Films", Int. J. Thin. Fil. Sci. Tec, 4 (3), 173-177.
- A.S. Bhattacharyya (2015), "Computational studies of the nanoindentation load depth curves", J. Sc. & Ind. Res. 74 (4), 223-224.
- A.K. Sahoo, P. Mohanta, A.S. Bhattacharyya (2015), "Structural and optical properties of CuS thin films deposited by Thermal co-evaporation", IOP Conference Series: Materials Science and Engineering, 73(1), 121-123.
- A.S. Bhattacharyya, V. Ranjan, S. Mitra (2015), "Magneto Mechanical properties: Magnetic MEMS", Indo-Japan Workshop on Magnetism at Nanoscale, NISER, Bhubaneswar, India during 9-12 February, 2015.
- A.S. Bhattacharyya, S. Mitra, V. Ranjan (2015), "Nano indentation of Magnetic Materials, Indo-Japan Workshop on Magnetism at Nanoscale, NISER, Bhubaneswar, India, during 9-12 February, 2015.
- A.S. Bhattacharyya, S. Kumar, S. Jana (2015), "Nano mechanical and surface properties of nano composite and epitaxial thin films", 2nd International Conference on Nanotechnology (ICNT 2015) during February 19-22, 2015 HRC- IICHe, Haldia Institute of Technology, Haldia, India.
- A. Abhinav, A.S Bhattacharyya and R.K. Roy (2014), "Crystallization kinetics and soft magnetic properties of Fe Co based nano crystalline alloy", International Conference on Emerging Materials: Characterization & Application, (EMCA-2014) during December 4-6, 2014, Kolkata, India (Best Poster Award).
- A. Nepal, G. Chiu, J. Xie, G. P. Singh, N. Ploscariu, S. Klankowski, T. Sung, J. Li, B. N. Flanders, K. L. Hohn, C. M. Sorensen (2015), "Highly oxidized graphene nanosheets via the oxidization of detonation carbon", Appl. Phys. A: Materials Science & Processing, DOI 10.1007/s00339-015-9213-1.
- S. Kumari, V. Kumar, P. Kumar, M. Kar and L. Kumar (2015), "Structural and magnetic properties of nanocrystalline yttrium substituted cobalt ferrite synthesized by citrate precursor technique", Advance Powder Technology, 26, 213-223.
- V. Kumar, S. Kumari, P. Kumar, M. Kar and L. Kumar (2015), "Structural analysis by Rietveld Method and its correlation with optical properties of nanocrystalline zinc oxide", Advanced materials letters, 6(2), 139-147.



XII. SCHOOL OF ENGINEERING AND TECHNOLOGY

3. Centre for Computer Science-Mobile Computing

Mission:

The goal of the centre is to provide higher education to the people, who are already equipped with substantial knowledge in the fields of computer, communication technology, information technology, computer application and professional management.

About the Centre:

Centre for Computer Science was established in the year 2013 at City Centre of Central University of Jharkhand, Ranchi. Centre is now developing rapidly with good infrastructure and best facilities of the country. To make the programme successful, a working group has been formed by including the faculties from Jadavpur University, Kolkata, Indian Statistical Institute, Kolkata, BIT Mesra, IIT Kanpur and industry experts from Vodafone, Samsung, TCS and other companies involved in the field of mobile computing and communications.

Faculty:

- Mr. Sandip Mal, Assistant Professor (on contract)
- Mr. Rishi Shahdeo, Assistant Professor (guest faculty)
- Ms. Priyaswarupa Rani Pati, Assistant Professor (guest faculty)
- Mrs. Ragini, MS, Assistant Professor (guest faculty)

Scholarship

- GATE qualified students of the centre have received scholarship from AICTE, GOI for entire period of M. Tech. programme.

Activity:

- The students of centre have got their projects in reputed research institutes and organizations like IIT Kharagpur, NEHU Shilong, NIT Himachal Pradesh, and NIT Jamshedpur.
- Passed students were placed in private sector like HCL, Airtel with highest annual package of 7.8 Lakhs.

Publications:

- S. Mal and R. Kumar (2014), "Coupling metric for understandability and modifiability of a package in object-oriented design", International J. of Information Technology and Computer Science, ISI Web Knowledge, 6(8), 72-78, DOI: 10.5815/ijitcs.2014.08.10.
- S. Mal and R. Kumar (2014), "New class cohesion metric: an empirical view", International Journal of Multimedia and Ubiquitous Engineering, 9(6), 367-376, <http://dx.doi.org/10.14257/ijmue.2014.9.6.35>.
- S. Mal and R. Kumar (2014), "Validation of new cohesion metric against braind properties", Advances in Intelligent Systems and Computing, 243, 591-597, DOI: 10.1007/978-81-322-1665-0_58.
- Saxena, V.P. Saxena, and S. Mal, (2014), "Implementation of Fault Attacks on Elliptic Curve Cryptosystems", Reading, 3(4), 41-44.



XIII. SCHOOL FOR STUDY OF CULTURE

The School of Culture Studies has four Centres, viz.

1. *Indigenous Culture Study*
2. *Tribal Folklore, Language and Literature*
3. *Tribal and Customary Law*
4. *Music and Performing Arts*



XIII. SCHOOL FOR STUDY OF CULTURE

1. Indigenous Culture Studies

Mission Statement:

The mission of the Centre is to equip the students with knowledge of indigenous people and their culture in regional and global perspective. To engage students in fieldwork-based practical understanding of indigenous issues and policies.

About the Centre:

Under the School for the Study of Culture, the Centre for Indigenous Culture Studies (CICS) was established in July 2010. The Centre as part of School of Culture Studies envisions a Culture Studies encompassing the society and culture of human kind with a special focus on Indigenous and Tribal people of the world.

Academic Programmes:

- 5-year Integrated MA Programme in Culture Studies
- PhD in Indigenous Cultures

Regular Faculty:

- Dr. Sucheta Sen Chaudhuri, Associate Professor & Dean SSC
- Dr. Tulsi Das Manjhi, Assistant Professor
- Dr. Seema Mamta Minz, Assistant Professor
- Mr. Rajanikant Pandey, Assistant Professor

Contractual faculty:

- Dr. G. Kanato Chophy, Assistant Professor (on contract)
- Ms. Diana Ashem, Assistant Professor (on contract)

Guest faculty:

Dr. Meenakshi Munda, MPhil, PhD (Delhi University)

Centre Head: Dr. Sucheta Sen Chaudhuri

Activities

Centre:

- CICS celebrated World Indigenous Day on 9th August 2014 under the supervision of Dr. Jeuti Baruah, Chairperson, School for the Study of Culture.
- First semester fieldwork in Brambe, Jharkhand during Odd semester 2014.
- Third semester fieldwork in Rege village from 17th to 24th to September 2014.
- Sixth semester fieldwork at IGRMS, Bhopal, Madhya Pradesh for two weeks.
- Dr. Richard Jahna, Professor Arizona State University & Fulbright visiting scholar delivered a lecture on "Native American literature" at CICS on 17 September 2014.

Students

- Recommended 3 students from the department for Internship in JOHAR, BIRSA, (two students from 8th Semester already completed), 2015.
- Recommended two students from 8th Semester for International online training on Human



XIII. SCHOOL FOR STUDY OF CULTURE

1. Indigenous Culture Studies *contd...*

Rights.

- Recommended 2 students from 8th semester for online training on human rights, organised by AIPP, 2015.

Faculty:

- **Sen Chaudhuri, Sucheta**, “Indigenous Cultural Studies in India”, Presented in the ICSSR International Seminar, “Cultural Studies: Local to Global Relevance” by Department of Cultural Studies, Tezpur University, Tezpur, Assam, March, 2015.
- **Sen Chaudhuri, Sucheta**, “Traditional Local Governances and Indigenous Cultural Resources Management Relation: A Comparative Account on Experiences of Tribe of Arunachal Pradesh and Jharkhand in India”, Delivered in INCAA Round Table on Society State and Governance, Dept of Anthropology, Utkal University, 20-22 February, 2015.
- **Sen Chaudhuri, Sucheta**, “Tribal Village of 21st Century: Relevance, Reality, and Realization”, Presented in the UGC sponsored National Seminar, entitled, Villages in Transition: Experience since the Nineties on 11th November, Pandaveswar College, Asansol, 2014.
- **Sucheta Sen Chaudhuri** delivered a lecture in “Cultural Tourism” in National level Workshop for Tour Operators by National Institute of Tourism, Management, Gwalior, M.P., June, 2015.
- **Sucheta Sen Chaudhuri** delivered a lecture in “Gender and Tourism” in National level Workshop for Tour Operators by National Institute of Tourism and Management, Gwalior, M.P., June 2015.
- **Sucheta Sen Chaudhuri** delivered a lecture in “Importance of revision Review, Revision dealing with referencing”, in Capacity Building Workshop for Faculty Members in Higher Studies, Ranchi University, Ranchi, Jharkhand, May, 2015.
- **Sucheta Sen Chaudhuri** delivered a lecture in “Review reports, response sheets papers/books, editing, proof reading and printing”, in Capacity Building Workshop for Faculty Members in Higher Studies, Ranchi University, Ranchi, Jharkhand, May, 2015.
- **Sucheta Sen Chaudhuri** delivered a lecture in “Some Basic Discussions on Referencing”, in Research Methodology workshop, Ranchi University, Ranchi, Jharkhand, April, 2015.
- **Sucheta Sen Chaudhuri** delivered a lecture on “De-colonizing Methodologies: A Review”, in Research Methodology workshop, Ranchi University, Ranchi University, Ranch, Jharkhand, 27 April, 2015.
- **Sucheta Sen Chaudhuri** delivered a lecture on “Contribution of Women Studies in India” Chief Guest’s speech on Women’s Day, 2014, Women’s Studies Center, Tezpur, University, Assam, 2014.
- **Sucheta Sen Chaudhuri** chaired a session in the UGC sponsored National Seminar, entitled, Villages in Transition: Experience since the Nineties on 11th November, Pandaveswar College, Asansol, 2014.
- **Sucheta Sen Chaudhuri** chaired a session in the International Seminar, Cultural Studies: Local to Global Relevance, organized by Cultural Studies Department, Tezpur University, Tezpur, Assam, March, 2015.
- **Tulsi Das Manji** attended the UGC-sponsored 82nd Orientation Programme held at Ranchi University from 12/03/2015 to 08/04/2015 and obtained Grade-A.
- **G. Kanato Chophy** presented a paper titled “Textiles as text” at American Folklore Society



XIII. SCHOOL FOR STUDY OF CULTURE

1. Indigenous Culture Studies *contd...*

Conference held from 5-8 November 2014 at Santa Fe, New Mexico.

- **G. Kanato Choppy** delivered two lectures on Indigenous people of North East India and Sustainable development on November 2014 at New Jersey State University, New Jersey.
- **G. Kanato Choppy** attended national workshop on Anthropology and Museums from 7-9 January 2015 at IGRMS Bhopal, Madhya Pradesh.
- **Meenakshi Munda** presented paper on Agenda Item: Human Rights: Implementation of UNDRIP with specific focus on Economic, Social and Cultural rights, paper presented by Meenakshi Munda, at 14th Session of United Nations Permanent Forum in Indigenous Issues, New York, 2015.
- **Meenakshi Munda** represented CICS department in Doordarshan - Discussion on Sarhul Festival, 2015.

Publications:

- Chaudhuri, Sarit K. and Sucheta S. Chaudhuri (ed.) (2014) *Fieldwork in South Asia: Memories, Moments, and Experiences*, New Delhi: Sage Publications.
- Sen Chaudhuri, Sucheta (2015) "Pasighat: Post-Colonial Geography and History in Interface," In *Glocal Colloquies*, 1(1), ISSN NO.2454-2423.
- Choppy, G.K. (2014) 'Reconsidering Auto-Ethnographic Research in North East India.' In V.K. Srivastava (ed.) *Experiences of Fieldwork and Writing*, pp. 180-95. New Delhi: Serials Publications.
- Munda, Meenakshi (2014) "Religion and identity among the Sarna Oraons: Understanding the rejuvenation and its implications," In *Journal for Social Development*, 6(2):102-115.

Papers published in proceedings of international seminars

- Munda, Meenakshi (2014) Extractive Industries in India: Mining in Central India, Oil exploration and Mega dam construction in Manipur, Indigenous: The Discourse and practice of development from Indigenous Peoples' Perspective Amidst Extractive and Exploitative Projects, Aisa Indigenous Peoples Network on Extractive Industries and Energy (APINEE) and Asia Indigenous Peoples Pact (AIPP), Philippines. web link <https://aipnee.wordpress.com/2015/03/26/indigenous/>

Dr. G. Kanato Choppy wrote four modules for online Postgraduate Course e-pathshala sponsored by MHRD/UGC.

1. Concept of Tribes and its Problematic Nature
2. Tribes of the World: A Glimpse
3. Tribal Religion
4. Tribal Language Families in India



XIII. SCHOOL FOR STUDY OF CULTURE

2. Centre for Tribal Folklore, Language & Literature

Mission Statement:

To produce skilled Folklorists who can collect, preserve and disseminate the material of tribal Folklore, Language and Literature keeping in view the vision of the university to create a world class university in Jharkhand.

About the Centre:

The Centre established in 2013. The Centre aims to produce post graduate scholars who are academically excellent, virtuous, ethical, free thinkers and broadminded. The Centre shall attempt to consolidate study with research, while acquiring new bodies of knowledge for the benefit of the discipline of Centre for Tribal Folklore, Language & Literature and thereby supporting over all-development. The Centre shall encourage the collection, preservation and dissemination of tribal folklore, language and literature. It shall promote research collaboration with local and international institutions. It shall offer lifelong educational opportunities, particularly at the tertiary level, to the public. The Centre shall organize different academic events time to time with the help of national and international bodies.

Academic Programmes:

M.A. and Ph.D

Regular Faculty:

- Dr. Rabindranath Sarma, Associate Professor
 - Dr. M. Ramakrishnan, Assistant Professor
 - Dr. Jisha C.K., Assistant Professor
 - Dr. T. Neishoning Koireng, Assistant Professor
 - Mr. Sudhanshu Shekhar, Assistant Professor
- Centre Head:** Dr. Rabindranath Sarma, Associate Professor

ACCOLADES/PRIZE/FELLOWSHIP RECEIVED:

- Received a proposal (in July 2014) for MoU from the Department of Asian and North African Studies, Università Ca' Foscari Venezia, Italy.
- Received a proposal in (July 2014), for collaborative studies and student /faculty interactions from the Department of Gujarati (Folk and Indigenous Studies), N.S.Patel Arts College (awarded 'College with Potential for Excellence' by UGC), Anand.
- Mr. Tolheishel Khaling selected for Svaagata EU of Erasmus Mundus programme to study at the University of Tartu, Estonia in 2014.

Activities:

Faculty:

- **Dr. Rabindranath Sarma** presented a paper on "History of Folklore Studies in Assam" at one day symposium on 'Status of Folklore Studies in North-East India: Prospects and Perspectives' organized by the Dept. of Culture and Creative Studies, NEHU, Shillong on 6th June, 2014.
- **Dr. Rabindranath Sarma** presented a paper on 'Change and Continuity in Folk Medicine and Traditional Healing Practices in Jharkhand: The case of Hodopathy' at the National Seminar on



XIII. SCHOOL FOR STUDY OF CULTURE

2. Centre for Tribal Folklore, Language & Literature *contd...*

Folk Medicine and Traditional healing in India: Theory and Practice organized by Department of Cultural and Creative Studies, North Easter Hill University, Shillong on 26th -27th March 2015.

- **Dr. Rabindranath Sarma** was Organising Secretary of the three-day National Seminar on the Language and Culture of Sangam Age and its Impact on Indigenous-tribal communities in India from 31st March to 2nd April, 2014 at CUJ Campus, Brambe (Ranchi).
- **Dr. Rabindranath Sarma** was a Special Guest of Samvaad-A Tribal Conclave organized by Tata Steel in November, 2014
- **Dr. M. Ramakrishnan** presented Paper at the National seminar on Language and Culture of Sangam Age and Its Impact on the Indigenous and Tribal Communities in India, organized by the Centre for Tribal Folklore, Language and Literature, CUJ from March 31-April 2, 2014 (Sponsored by the Central Institute of Classical Tamil, Chennai).
- **Dr. M. Ramakrishnan** presented Paper the UGC's National Seminar organized by the Department of Tamil, Sethupathi Government Arts College, Ramanthapuram, Tamil Nadu on August 21-22, 2014
- **Dr. M. Ramakrishnan** presented Paper at the 6th International Seminar on Human Resource (Interdisciplinary) organized by the Institute of Social Development and Research, Ranchi on November 1-3, 2014.
- **Dr. M. Ramakrishnan** presented Paper at the International Conference on Tamil Studies organized by the Department of Tamil, Ethiraj Women's College, Chennai on Nov 26, 27 2014.
- **Dr. M. Ramakrishnan** presented Paper at the 38th Indian Folklore Conference held on December 19-21, 2014 at Centurion University of Technology and Management [CUTM], Parlakhemundi, Gajapati, Orissa.
- **Dr. M. Ramakrishnan** presented Paper at the National Seminar organized by the Centre for Integrated Social Development and Research on 24-26, March 2015 at Tenkasi.
- **Dr. M. Ramakrishnan** had been the (Outside) Supervisor for four MPhil students of the School of Folklore Studies, University of Calicut, Kerala, for their **ASPIRE FELLOWSHIP 2014**.
- **Dr. M. Ramakrishnan** attended the 88th Orientation Course organized by the UGC's Academic College, University of Hyderabad, from June 19 – July 16, 2014.
- **Dr. M. Ramakrishnan** participated as part of the performing troupe of the Gopal ke Dhuniya, a play directed by Mr. Venkata Naresh Burla, Asst. Prof. Centre for Performing Arts, Central University of Jharkhand, participated in the show at Begusarai, Bihar on 21st September 2014.
- **Dr. Jisha C.K.** presented paper titled "Role of Traditional Knowledge in Sustainable Resource Management (With Special Reference to Wayanad District, Kerala)" at the 6th International Seminar on Human Resource Institute for Social Development & Research Gari Hotwar, Ranchi - 835217 (Jharkhand) from 01 November to 03 November 2014.
- **Dr. Jisha C.K** presented paper titled ,Folksongs and National Integration in the National Seminar on National Integration : Barriers and Remedies From 4th April to 6th April 2015 organized by Institute of Social Development & Research Ranchi,Jharkhand.
- **Dr. Jisha C.K** presented a paper titled , Unraveling the Origin Myths of Santhal and Oraon in Jharkhand at Department of Russian & Comparative Literature, University of Calicut, Kerala from 19th to 20th of March 2015.



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2. Centre for Tribal Folklore, Language & Literature *contd...*

- **Dr. Jisha C.K** taught courses in the Centre for Indigenous Culture on 1. Indigenous Oral Tradition and Written History and 2. Material and non Material culture.
- **Dr. T. Neishoning Koireng** presented a paper entitled "Sustainability of Folk Medical Practice of Eastern India with Special Reference to Jharkhand" at the National Seminar on Folk Medicine and Traditional healing in India: Theory and Practice organized by Department of Cultural and Creative Studies, North Easter Hill University, Shillong on 26th -27th March 2015.
- **Dr. T. Neishoning Koireng** participated and Chaired Technical Session in the International Conference on "Contesting 'Self' and 'Other' : Identities of Caste, Tribe, Gender and Beyond" organized by Department of History and Department of Anthropology on 27-28 March, 2015 at the Assam University, Diphu campus, Assam.
- **Mr. Sudhanshu Shekhar** visited the Department of Linguistics, K.M. Institute of Hindi and Linguistics Dr. B.R Ambedkar University, Agra as a primary resource person for the workshop on language description and science (WorLDS- 1), during 9th of August, 2014. **Mr. Sudhanshu Shekhar** visited the University of Calicut, Department of Russian & Comparative Literature as a resource person to give a talk on *Retrieving the Vanishing Voices: Peering into the Folklore* during the conduct of 2-Day UGC National Conference on "Comparative Folklore & Mythologies : Issues and Perspective" held from 19-20 March, 2015.
- **Mr. Sudhanshu Shekhar** visited the University of Calicut, Department of Hindi as a resource person to give a talk on '*Hindi: Bhoot, Vartaman aur Bhavisaya*' during the conduct of two days national seminar on 'Indian Literature: Latest trends' held during 17-18 March 2015.
- **Mr. Sudhanshu Shekhar** visited the Department of Linguistics, K.M. Institute of Hindi and Linguistics Dr. B.R Ambedkar University, Agra as a primary resource person to give a take on 'Job Prospects after Doing Linguistics' for the workshop on language description and science (WorLDS- 1), during 9th of August, 2014.
- **Mr. Sudhanshu Shekhar** attended a workshop on **Optimality Theory** organized by the Jawaharlal Nehru University & Simon Fraser University from 11-12th December, 2015 at JNU, New Delhi.
- **Mr. Sudhanshu Shekhar** attended a workshop on **Child Language Acquisition** organized by the Jawaharlal Nehru University & Simon Fraser University from 11-12th December, 2015 at JNU, New Delhi.
- **Mr. Sudhanshu Shekhar** presented a paper entitled "Language Endangerment in Jharkhand: Challenges and Prospects" at the CIIL-sponsored National Workshop "Revitalizing Endangered Languages: Objectives, Issues, and Strategies" held at Jawaharlal Nehru University on 9-10 December 2014.
- **Mr. Sudhanshu Shekhar** started and organized the Annual WorLDS 'Workshop on language and description and science' as a co-organizer which aims at training the non-linguists in the nitty-gritty of the nuances of human languages during 7-9 August 2014. This year it is going to be organized at the Department of Linguistics, K.M. Institute of Hindi and Linguistics Dr. B.R Ambedkar University, Agra. The purpose is to popularize this discipline and train the young minds in linguistics with international standards and expertise.

Publications:

- **M. Ramakrishnan** (2014), "The Role of Folklore for the Development of Tamil Language",



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2. Centre for Tribal Folklore, Language & Literature *contd...*

proceedings of International Conference organized by the Department of Tamil, Ethiraj Women's College on November 26-27.

- **M. Ramakrishnan** (2014), "The Epistemological Foundation of Ancient Tamil Society", proceedings of the Sethupathi Government Arts College held on August 21-22.
- **M. Ramakrishnan:** (2014), "The Folk Songs of Santhal Tribes", Sol Magazine (First Issue, December 2014)
- **M. Ramakrishnan** (2014), "The Human Sacrifice of Koya Tribes", Sol Magazine (Third issue, March 2014)
- **Sudhanshu Shekhar** (2014), "*Bhashai Yogyata ka sulagta sawal*" *Khabar Mantra, Ranchi* dated 23rd August, 2014.



XIII. SCHOOL FOR STUDY OF CULTURE

3. Centre for Tribal & Customary Law

Mission Statement:

Tribal peoples have been the soft-target and placed at the receiving end, whenever there has been an interface with the self-proclaimed civilized world. They have time and again suffered the wrath and exploitation at the hands of so called mainstream world. Non-recognition of their customary laws, discrimination and plundering of culture, customs and values have been some of the grave crimes being done against them by the so-called modern civilized society. Apart from this, exclusion and forceful implementation of policy decisions without keeping in mind the tribal sentiments has also aggravated their anguish. Therefore, there is an imperative need to develop the understanding of tribal, culture, customs, philosophy, laws and issues affecting them.

About the Centre :

The Centre for Tribal and Customary Law holds the prestige of being the **FIRST** Centre in India, dedicated exclusively for research and teaching concerning the Customary Laws, Legal and Governance aspects of Tribal People of India. It is a Post-Graduate Teaching and Research Centre under the School for the Study of Culture of Central University of Jharkhand.

Academic Programmes :

The Centre for Tribal and Customary Law offers the following three courses :

- M.A. in Tribal Law and Governance (Duration - Two years)
- LL.M. with specialization in Tribal and Customary Law (Duration - Two years)
- Ph.D. in issues concerning Tribal People(s)

Regular Faculty :

- Dr. Walter Beck, Assistant Professor
- Mr. Shamsheer Alam, Assistant Professor
- Mr. Rashwet Shrinkhal, Assistant Professor
- Dr. Debendra Kumar Biswal, Assistant Professor

Non-Regular Faculty :

- Dr. Jeuti Barooah, Professor and Chairperson, School for the Study of Culture
- Mr. Pranav Kumar, Guest Faculty.

Centre Coordinator : Dr. Walter Beck (Assistant Professor)

Award / Accolades / Prize / Fellowship :

- Eva Jyoti Lakra (student of M.A.- Tribal Law and Governance) qualified the UGC-NET examination of December-2014 in the subject of Human Rights & Duties and was awarded with Junior Research Fellowship.
- Seerat Kachhap (student of M.A.- Tribal Law and Governance) qualified the UGC-NET examination of June-2014 in the subject of International & Area Studies.
- Anamika Gari (Ph.D. research scholar) was selected for the award of Rajiv Gandhi National Fellowship (RGNF) for the year - 2014.
- Ram Chandra Oraon (Ph.D. research scholar) qualified the UGC-NET examination of June-2014 in the subject of Law and was awarded with Junior Research Fellowship.
- Ram Chandra Oraon (Ph.D. research scholar) was selected for the award of Rajiv Gandhi National Fellowship (RGNF) for the year - 2014.



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3. Centre for Tribal & Customary Law *contd...*

- Ram Chandra Oraon (Ph.D. research scholar) qualified the UGC-NET examination of December-2014 in the subject of Human Rights and Duties.
- Farhan Rahman (Ph.D. research scholar) qualified the UGC-NET examination of December-2014 in the subject of Sociology.

Activities of the Centre :

- The Centre organized a special lecture by the Hon'ble Mr Justice A. K. Patnaik, Judge Supreme Court of India on the topic "Role of Right to Information Act, 2005" on 12th April 2014.
- The Centre published its Quarterly Newsletter "WISDOM"
- The Centre organised lecture on the "Role of International Law in Shaping the Rights of Tribal Peoples" by Dr V G Hedge, Associate Professor, South Asian University, New Delhi on 6th October 2014.
- The Centre organized and conducted the first Field Work for M.A. (final semester) students of Tribal Law and Governance for twenty-one days (21) at Hisri Chouli, Ratu, Ranchi w.e.f. 16th February to 9th March 2015.
- The Centre sent a write up on the subject "Legal Safeguards for Tribes in Jharkhand"- A compilation for Jharkhand State Legal Services Authority (JHALSA), on the advice of Hon'ble Civil Judge Mr. Naveen Kumar on 21st March, 2015.

Activities

Faculty

- **Walter Beck** participated in 4 week Orientation Programme held from 14-04-2014 to 10-05-2014 at Academic Staff College, Himachal Pradesh University, Shimla.
- **Walter Beck** inducted as programme officers of the National Service Scheme (NSS) of the Central University of Jharkhand for the welfare of the University students.
- **Walter Beck** participated in one day National Colloquium at NUSRL, Ranchi on 21-03-2015.
- **Walter Beck** presented paper at the National Seminar on the Language and Culture of Sangam Age and Its Impact on Indigenous-Tribal Communities in India on the topic "Customary Laws of Lohra Tribe of Jharkhand" on 2nd April 2014.
- **Walter Beck** chaired a session at the 6th International seminar conducted by Institute for Social Development and Research, Ranchi. (01-03 November 2014).
- **Shamsher Alam** acquired Life-time Membership of the Association of the Socio-Economic Development Studies, Lucknow, India.
- **Shamsher Alam** acted as Hostel Warden (Male) at the Central University of Jharkhand.
- **Shamsher Alam** played pivotal role in the admission of UG, PG and Ph.D. students at Central University of Jharkhand being a member of the Central Admission Committee.
- **Shamsher Alam** presented paper entitled "Envisioning Amelioration of Child Labour in Jharkhand" at the International Seminar on Human Resource ; Venue - Institute for Social Development and Research, Ranchi. (01-03 November 2014)
- **Shamsher Alam** attended Orientation Programme at Human Resource Development Centre, Ranchi University, Ranchi. (12th March to 08th April 2015).
- **Rashwet Shrinkhal** presented Paper entitled "The UN Convention on the Protection of the Rights of All the Migrant Workers and Members of their Families" at the 6th International Seminar conducted by Institute for Social Development and Research, Ranchi. (01-03 Nov. 2014).



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3. Centre for Tribal & Customary Law *contd...*

- **Rashwet Shrinkhal** inducted as one of the Members of Board of Studies of University Law College, Vinoba Bhave University, Hazaribagh.
- **Rashwet Shrinkhal** inducted as Editorial Board Member of VBU Journal of Law and Governance, published by Vinoba Bhave University, Hazaribagh.
- **Rashwet Shrinkhal** drafted the LL.M. syllabus and revised the LL.B. syllabus of University Law College, Vinoba Bhave University, Hazaribagh.
- **Rashwet Shrinkhal** delivered Lecture for Ph.D. scholars at the National University of Study and Research in Law, Ranchi on the topic "Contemporary Trends of Jurisprudence in India".
- **Rashwet Shrinkhal** participated in the 119th Orientation Programme at the Human Resource Development Centre, University of Lucknow.
- **Debendra Kumar Biswal** attended UGC- Orientation Programme at the Academic Staff College, Jawaharlal Nehru University, New Delhi from 25.08.2014 to 19.09.2014.
- **Debendra Kumar Biswal** attended ICSSR- Capacity Building Programme for Young Faculty in Social Sciences at the Department of Anthropology, University of Hyderabad from 02.02.2015 to 15.02.2015.
- **Debendra Kumar Biswal** presented paper on "Green Economy As Substitution To Environmental Degradation: Making Sustainable Development More Inclusive For The Tribals" at the International Seminar on "Global issues of Population, Development and Environment", Institute of Social and Economic Change, Bangalore. (2014)
- **Debendra Kumar Biswal** presented paper on "Socio-Economic Factors of Migration in Jharkhand: an Exploratory Analysis" at the 6th International Seminar on "Human Resource", organized by Institute for Social Development & Research, Ranchi. (Nov. 2014)
- **Debendra Kumar Biswal** presented paper on "Customary Laws for Sustainable Development: A Study of Land Tenure System in the Tribal Areas" at the International Seminar on "Development, Resources and Livelihoods" Dept. of Anthropology, Hyderabad University. (February 2015)
- **Debendra Kumar Biswal** presented paper on "Identity in Isolation or Integration: Historicity of Tribal Languages in Odisha" at the National Seminar on "Languages and Culture of Sangam Age and its impact on the Indigenous-Tribal Communities in India", Centre for Tribal Folklore, Languages and Literature, CUJ, Ranchi. (April 2014)
- **Debendra Kumar Biswal** presented paper on "Meaning overrules functions: an anthropological analysis of witchcraft and law" at the Indian Anthropological Congress on the theme "Transformations of Tribals In The Contemporary Society: Issues And Challenges", organized by the Indian Confederation & Association of Anthropologists (INCAA) at Bhubaneswar. (February 2015)
- **Debendra Kumar Biswal** presented paper on "Women entrepreneurship in the Age of New Economic Policies" at the National Conference on "Women Empowerment : Issues and challenges", Department of Lifelong Learning and Extension, Visva-Bharati University, West Bengal. (March 2015)
- **Debendra Kumar Biswal** presented paper on Customary Law: Methods of Investigation and Social Inquiry at the National Colloquium organized at the National University of Study & Research in Law, Ranchi. (March 2015)
- **Jeuti Barooah** sent a Tentative Research Proposal on PTGs Birjias and Hill Kharias to the



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3. Centre for Tribal & Customary Law *contd...*

Ministry of Tribal Affairs (MOTA), Govt. of India (GOI) on 12th March 2015.

- **Jeuti Barooah** sent the Final concept note for the Office of Development Commissioner (Handicrafts), Ministry of Textiles, Govt. Of India (GoI)

Student :

- Meena Kumari (Ph.D. research scholar) presented a paper on “Envisioning Amelioration of Child Labour in Jharkhand” at the 6th International Seminar conducted by Institute for Social Development and Research, Ranchi. (01 - 03 November 2014)
- Meena Kumari (Ph.D. research scholar) was invited to deliver lecture on “Child Rights” at the Centre for PRIs, Women and Child Development Studies (A tri-party venture of Central University of Jharkhand, Govt. of Jharkhand and UNICEF - India) (22 - 24 April 2014).
- Ram Chandra Oraon (Ph.D. research scholar) presented a paper on “Rights of Domestic Workers: A Critical Analysis at the 6th International Seminar conducted by Institute for Social Development and Research, Ranchi. (01 - 03 November 2014).
- Ram Chandra Oraon (Ph.D. research scholar) participated in one day National Colloquium at NUSRL, Ranchi on 21-03-2015.
- Ram Chandra Oraon (Ph.D. research scholar) assisted Dr. Walter Beck in the supervision of the 1st Field Work for M.A. (Final Semester Students) for the session 2013-2014 of Tribal Law and Governance for twenty-one days at Hisri Chouli, Ratu, Ranchi from 16th February to 9th March 2015.
- Manoj Kumar (Ph.D. research scholar) participated in one day National Colloquium at NUSRL, Ranchi on 21-03-2015.

Publications :

Journals

- Beck, Walter, (2014), Education and Teacher Training with Special Reference to Human Resource, Institute for Social Development and Research, Ranchi ISBN: 978-93-84686-04-8.
- Shrinkhal, Rashwet (2014), Free Prior Informed Consent as Rights of Indigenous Peoples, National Law University, Delhi Journal, Vol.2, 2014, pp 54-65, Dwarka, New Delhi.
- Biswal Debendra Kr. (2014), Feminization of Poverty, Tribals and Fertility Behavior: An Empirical Study in Odisha, Jharkhand Journal of Development & Management Studies, ISSN: 0973-8444. Vol.12, No.4, Dec.2014, Ranchi.Communities, Book Agency, New Delhi. 2014. ISBN 978-93-8315-828-7.

Book/Chapter in Book

- Biswal, Debendra Kr. (2014), Environment and Health Research: Beyond the School of Biomedicines, Dimensions of Health Care System Among Tribal And Other
- Biswal, Debendra Kr. (2014), Socio-Economic Factors and Child Mortality: An exploratory Analysis of Tribal Groups, Ethno-Medical Practices in Tribal Areas, SSDN Publishers & Distributors, New Delhi. 2014, ISBN 978-93-8183-918-8.
- Oraon, Ram Chandra (2014), Rights of Domestic Workers: A Critical Analysis, Institute for Social Development and Research, Ranchi ISBN: 978-93-84686-04-8.
- Rahman, Farhan (2014), Varna System, Caste and National Integration, Institute for Social Development and Research, Ranchi ISBN: 978-93-84686-04-8.



XIII. SCHOOL FOR STUDY OF CULTURE

4. Centre for Music & Performing Arts

Mission Statement:

Mission of this Centre is to develop and promote excellence in the area of performing arts by inculcating performance skills. We aim to encourage cultural consciousness and intellectual activities through performing arts/studies for the benefit of all. We focus to create awareness that arts are a constructive vehicle of personal expression. The fundamental thrust of various programs offered by the Centre, is to develop analytical ability and independent thinking as well as to push forward expertise and innovation in this field.

About the Centre:

Centre for Performing Arts started in June 2013 (previously called as Centre for Music and Performing Arts) under the School for the Study of Culture. Centre offers following courses, one at UG level i.e., Bachelor in Performing Arts (BPA – Vocal Music/Theatre) and two courses at PG level, i.e., Master in Performing Arts (MPA - Vocal Music) and Master in Performing Arts (MPA - Theatre Arts). BPA course is unique and one of its kind in whole India because we offer an interdisciplinary approach by combining music and theatre curriculum for first three semesters and then student may opt for specialization in either of the two. Centre has also started Ph.D program in music. Along with these courses, Centre also runs Music, Dance, Drama Guild (also called as Performing Arts Guild) in which Students of first and second year from different UG courses take part and attend Music and Theatre classes and learn practical aspects of Performing Arts.

Academic Programmes:

- Bachelor in Performing Arts (B.P.A.) – Vocal Music/Theatre - 3 Years
- Masters in Performing Arts (M.P.A.) – Vocal Music – 2 Years
- Masters in Performing Arts (M.P.A.) – Theatre – 2 Years
- Doctor of Philosophy (Ph.D.) – Music

Regular Faculty:

- **Ms. Jaya Shahi**, Assistant Professor and Coordinator
- **Dr. Deepika Srivastava**, Assistant Professor
- **Mr. Shakir Tasnim**, Assistant Professor
- **Mr. Venkata Naresh Burla**, Assistant Professor

Accompanist:

- **Mr. Somenath Hazra**, Tabla Accompanist (on Guest Basis)
- **Mr. Rohit Pathak**, Harmonium Accompanist (on Guest Basis)

Centre Coordinator: Ms. Jaya Shahi

Activities:

Centre:

- Organized the performance of the Play – Gopal ki Duniya by students of CUJ at Begusarai on 21/09/2014 as a part of Cultural Exchange Programme. The play was invited by Ashirwad Rangamandal, Begusarai, Bihar.
- Organized a cultural event on World Theatre Day, 27th March, 2015 in which a full length play



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4. Centre for Music & Performing Arts *contd...*

"Ankahi Shuruaat" based on the short stories of Bhishm Sahni was performed by the Students of MPA Theatre Arts.

- Conducted classes of Music, Dance, Drama Guild (Performing Arts Guild – Music and Theatre) for the session 2014-15 and guided the students for various cultural competitions and programs.

FACULTY:

Seminar/Conference/Workshop attended/Paper Presented:

- **Ms. Jaya Shahi** presented paper titled "Stryi Shakti – Empowered Nation" in National Seminar on Challenges of Women Empowerment in India,, organized by Department of Economics, Mahatma Gandhi Kashi Vidyapith, Varanasi from 23-24, July 2014.
- **Mr. Shakir Tasnim** participated in the School on "Natyashastra" organized by the Indian Institute of Advanced Study(IIAS), Shimla, from 26th August to 7th September 2014.
- **Mr. Shakir Tasnim** presented a paper titled "*Bideshiya Shaili: Bharatiya Lok-Natya Parampara Ka Nirvahak*" in a National Theatre Conference on "Bridging the Gap- Theatre of Roots and Modern Sensibilities" organised by Department of Indian Theatre, Panjab University, Chandigarh from January 29- January 31, 2015.
- **Mr. Shakir Tasnim** delivered a lecture at Airport Authority of India (AAI), Ranchi on "use of Hindi in the field of Information & Technology" on 18.03.2015.
- **Mr. Venkata Naresh Burla** presented a paper titled "*The Role of Performing Arts for the Development of Human Resource*" in an International Seminar on Human Resource, organised by Institute for Social Development & Research at Ranchi from 1st -3rd Nov., 2014.
- **Mr. Venkata Naresh Burla** presented a paper titled "*Thematic Adaptation of Folk Tales in Indian Modern Theatre for Addressing the Tribal Issues*" in a national seminar and symposiums Organised by Indian Folklore Congress at Centurion University of Technology and Management [CUTM], Parlakhemundi, Gajapati, Orissa, from 19th -21st December 2014.
- **Mr. Venkata Naresh Burla** participated in the conference and festival as a invitee in the "*Ibsen between Tradition and Contemporaneity: The Peer Gynt Cycle*" held from February 12th – 16th 2015 at Department of Theatre Arts, University of Hyderabad, co-organized by the Centre for Ibsen Studies (University of Oslo) Norway, with the support of Royal Norwegian Embassy, New Delhi.
- **Mr. Venkata Naresh Burla** participated in the round table conference on "*Theatre Pedagogy in the Digital Age: Methods, Models and Practice*" on 21st and 22nd March 2015, at India International Centre, New Delhi organised by Sarojini Naidu School of Arts and communication, University of Hyderabad and Wimbledon School of Arts, University of Arts London. A UGC Thematic Partnership under UK-India Education Research Initiative (UKIERI-UGC-2012/13-023).

Performance/Artistic Activities:

- **Dr. Deepika Srivastava** is a consultant and senior examiner of Prayag Sangeet Samiti, Allahabad.
- **Dr. Deepika Srivastava** was Cossinged as a Co-Cultural Co-ordinator of a team of CUJ Students and won third prize at IIT Kharagpur, Spring Fest 2015.
- **Dr. Deepika Srivastava** was assinged as a Cultural Co-Ordinator of a team of CUJ Students and won second prize at NIFFT Hatia, Ranchi in 2015.



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4. Centre for Music & Performing Arts contd...

- **Mr. Shakir Tasnim** directed a full length play "*Ankahi Shuruaat*" based on the short stories of Bhishm Sahni, performed on the occasion of World Theatre Day i.e. on 27th March 2015.

Miscellaneous Activities:

- **Mr. Shakir Tasnim** participated in 4 week UGC sponsored Orientation Programme (OP-115) from 26.05.14 to 21.06.14, conducted by UGC-Academic Staff College, Himachal Pradesh University, Shimla and obtained Grade 'A'.
- **Mr. Venkata Naresh Burla** participated in 88th Orientation Course from June 19th to July 16th 2014, conducted by UGC-Academic Staff College, University of Hyderabad, Hyderabad, and obtained Grade 'A'.

STUDENTS:

- Students of MPA performed a full length play "*Ankahi Shuruaat*" based on the short stories of Bhishm Sahni, on the occasion of World Theatre Day i.e. on 27th March 2015.
- Students of BPA and MPA along with Performing Arts Guild students participated in Spring Fest 2015 organised by IIT Kharagpur and won third prize in a cultural event
- Students of BPA and MPA along with Performing Arts Guild students participated in a cultural competition organized by NIFFT Hatia, Ranchi in 2015 and won second prize.

Publications:

Journals:

- **Jaya Shahi** (2014), "Sangeetopayogi kantha dhwani ki utpatti ka vaigyanik adhaar", in Vikas Vimarsh, ISSN No. 2394-5664, Vol. 01, No. 01, Pages 99-106, year 2014.
- **Dr. Deepika Srivastava** (2015), ournalJ-'Shabdabramha' Page no. of the journal- 265-279, year 2015. Title of Paper-' Rabindra Nath Tagore Dwara Rachit Rabindra Sangeet Ke Vibhinna Paryay'



XIV. SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

The School of Humanities and Social Sciences has three Centres, viz.

1. *Centre for Economics & Sociology*
2. *Centre for International Relations*
3. *Centre for Human Rights & Conflict Management*



XIV. SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

1. Centre for Humanities and Social Science

Mission Statement :

To attain excellence in teaching, training, and research in the areas of humanities and social sciences thereby preparing professional leaders to think critically, read deeply, communicate effectively, and to address the emerging global challenges, and to deal with socio-economic-cultural-political realities.

About the Centre :

The Centre for Humanities and Social Sciences is multi-disciplinary in its orientation and is actively engaged in teaching and research activities. It plays a unique role in the universe where the ethos of science, technology and management prevails. At present, it has two disciplines – Economics and Sociology.

Academic Programmes :

The Centre offers Ph.D. programmes in the disciplines of Economics and Sociology.

Regular Faculty:

- Dr. Pabitra Kumar Mishra, Assistant Professor
- Dr. Sanhita Sucharita, Assistant Professor
- Dr. Sujit Kumar Choudhary, Assistant Professor

Centre Coordinator: Dr. Pabitra Kumar Mishra

Activities

Faculty:

- **Dr. Pabitra Kumar Mishra** presented a paper titled “Financial Inclusion: A Catalyst to Economic Growth of Odisha”, in the 47th Annual Conference of Orissa Economics Association during 21st – 22nd Feb 2015, held at Centurion University of Technology and Management, Bhubaneswar, Odisha.
- **Dr. Pabitra Kumar Mishra** presented a paper titled “Economic Impact of Labour Migration on Education – A Case Study of Khunti District in Jharkhand” in International Business Research Conference during 6th -7th Feb 2015, at International Management Institute, Bhubaneswar, Odisha.
- **Dr. Pabitra Kumar Mishra** presented a paper titled “Indian Capital Market and Adaptive Market Hypothesis”, in the 3rd National Management Convention during 5th – 7th Feb 2015, at Asian School of Business Management, Bhubaneswar, Odisha
- **Dr. Sanhita Sucharita** presented a paper titled “Fiscal Consolidation in India” in the International Conference on Applied Economics and Finance (ICAEF), held at GITAM School of International Business, Visakhapatnam on February 26, 2015.
- **Dr. Sujit Kumar Choudhary** acted as the Chairperson in the Regional Workshop and Open Forum for Media and NGOs on Minority Rights and Issues, organized by Agricultural Finance Corporation, New Delhi & Ministry of Minority Affairs, Government of India at Accord Hotel, Ranchi (Jharkhand), March 25, 2014.
- **Dr. Sujit Kumar Choudhary** delivered lecture as Resource person on the topic “Role of Social



XIV. SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

1. Centre for Humanities and Social Science *contd...*

Capital in Educational Development of Tribals: A Study of Jharkhand", dated March 21, 2015, in a one day Colloquium on Customary Law and Scheduled Tribe, at the Centre for Study and Research in Tribal Rights, National University of Study and Research in Law (NUSRL), Ranchi.

- **Dr. Sujit Kumar Choudhary** delivered lecture as Resource person on the topic "Research in Postmodern World", dated March 14, 2015, at the UGC-Academic Staff College, Ranchi University, Ranchi during Refresher Course in "Research Methodology in Social Science" (11/03/2015 to 31/03/2015).
- **Dr. Sujit Kumar Choudhary** delivered lecture as Resource person on the topic "Action Research", dated March 14, 2015, at the UGC-Academic Staff College, Ranchi University, Ranchi during Refresher Course in "Research Methodology in Social Science" (11/03/2015 to 31/03/2015).
- **Dr. Sujit Kumar Choudhary** delivered lecture as Resource person on the topic "Social Theory", dated January 16, 2015 at the UGC-Academic Staff College, Ranchi University, Ranchi for 81st Orientation Programme (05/01/2015 to 01/02/2015).
- **Dr. Sujit Kumar Choudhary** delivered lecture as Resource person on the topic "Postmodernism", dated January 17, 2015 at the UGC-Academic Staff College, Ranchi University, Ranchi for 81st Orientation Programme (05/01/2015 to 01/02/2015).
- **Dr. Sujit Kumar Choudhary** presented research paper on "Education and Society: A Comparative Study of South Korea and India" in the International Seminar on Evolving Indo-Korea Relations; Perspectives on South Asia, organized by Researcher's Association for the Study of Korea (RASK) in collaboration with Department of East Asian Studies, University of Delhi, Delhi, March 27-28, 2015.

Publications :

- Pabitra Kumar Mishra (2014), "Lean Accounting: A Recent Development in Management Science", International Journal of Commerce and Social Sciences, Vol.3, No.2, pp.1-7.
- Pabitra Kumar Mishra (2014), "A Study on Cost-Benefit Analysis of XBRL Reporting on Financial Data Ecosystem", International Journal of Advances in Management, Economics, and Entrepreneurship, Vol.1 No.1, pp.1-5,.
- Pabitra Kumar Mishra (2014), "Interest Rate Derivatives in India: Challenges and Opportunities", Economy, Vol.1, No.1, pp.5-7.
- Pabitra Kumar Mishra (2014), "A Study on Relation between India VIX and Nifty Returns", Intercontinental Journal of banking, Insurance and Finance, Vol.1, No.3, pp.1-7 (Oct, 2014)
- Pabitra Kumar Mishra (2014), "Impact of Forex Movement on Foreign Institutional Investment in India, Adarsh Journal of Management Research, Vol.7, No.2, pp.10-18 (Sept, 2014)
- Pabitra Kumar Mishra (2014), "Exclusion to Inclusion: An Economic Paradigm for India", FIIB Business Review, Vol.3, No.4, pp.3-15 (Dec, 2014)
- Pabitra Kumar Mishra (2015) "A Study on Challenges faced by Progressive Fish Farmers in the Cachar District of Assam", International Journal of Engineering Technology, Management and Applied Sciences, Vol.3, No.3, pp.27-33(March, 2015)
- Sanhita Sucharita (2014), "Debt Sustainability in India", Journal of Public Administration, Finance and Law, Issue 6/2014, pp.208-224



XIV. SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

2. Centre for International Relations

Mission Statement :

The establishment of the Centre for International Relations provides a new institutional focus at Central University of Jharkhand for teaching and research on politics in all its dimensions; international and comparative, theoretical and empirical, abstract and practical. The Centre offers a five year integrated course on International Relations which is the first in India of its kind. The subject discusses the long and distinctive tradition in the study of politics and international relations, with particular emphasis on historical, legal, economic, empirical and philosophical approaches to the study of national and international politics.

About the Centre :

The five year curriculum has been very carefully designed which caters to the needs of the students in the present context. Traditional International Relations as a discipline has evolved in western societies particularly in Europe and United States and therefore, western values are reflected in the approach. In order to make International Relations a holistic discipline, the five year integrated curriculum is inclusive of the alternative perspective with special emphasis on the Indian standpoint. This centre has endeavoured to include sufficient amount of literature and modules from different regions of the globe. The engagement with politics and dynamics of international relations in area-studies such as that of Far-East, Africa, Middle East and Latin America shall be one of the major priorities of the Centre which shall enable to a very comprehensive understanding of the nuances of the subject.

Academic Programmes :

The Centre for International Relations offers the following course :

- Integrated M.A. in International Relations (Duration - Five years)

Regular Faculty :

- Dr. Satish Kumar, Associate Professor
- Dr. Ranvijay, Assistant Professor
- Dr. Aparna, Assistant Professor
- Dr. Bibhuti Bhusan Biswas, Assistant Professor

Contractual Faculty :

- Shreya Pandey, Assistant Professor

Centre Coordinator/Head:

- Dr. Ranvijay, Assistant Professor (till 15th December, 2105)
- Dr. Satish Kumar, Associate Professor (since 16th December, 2015)

Activities

Faculty:

- **Dr. Satish Kumar** was instrumental in organizing Lecture by Ashwini K. Mohapatra, from JNU New Delhi at Centre for International Relations, CUJ on 16 March, 2015.
- **Dr. Satish Kumar** delivered Invited Lecture on "Nature and Scope of Comparative Politics" at the Consortium for Educational Communication: (An Inter University Centre for University



XIV. SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

2. Centre for International Relations *contd...*

Grants Commission on Electronic Media) New Delhi. 6th of April, 2014

- **Dr. Ranvijay** contributed actively as Member of the International Cell, CUJ.
- **Dr. Aparna** developed curriculum for two certificate courses offered by the Centre for International Relations, Central University of Jharkhand namely “Unfolding the layers of Indian Polity” and “Media and International Relations”.
- **Dr. Aparna** actively contributed in the University administration being the Warden, Girls Hostel from August, 2014 to December, 2014
- **Dr. Aparna** chapter titled “Indo- Myanmar Relations in Present Context” was accepted for publication in the edited Book “Opportunities, Challenges and Policy options for mutual cooperation between India and ASEAN”.
- **Dr. Shreya Pandey** worked as expert from India in the International Research Project in the framework of implementing the tender “Analysis of Perceptions of the EU and EU’s Policies Abroad” for the European Commission’s service for Foreign Policy Instruments coordinated by the National Centre for Research on Europe (NCRE), New Zealand, Public Policy and Management Institute (PPMI), Lithuania and NFG Freie Universitat Berlin, (2014-2015).
- **Dr. Shreya Pandey** presented paper on “EU Development Cooperation with Pakistan”, at the International Seminar on “India, Europe and Pakistan” organized by the JNU Jean Monnet Chair UGC Europe Area Studies Programme in association with Polish Institute at School of International Studies, Jawaharlal Nehru University, New Delhi, 2 March 2015.
- **Dr. Shreya Pandey** presented paper on “Russia, NATO and Central and Eastern Europe”, at the International Seminar on “India and Central and Eastern Europe” organized by the JNU Jean Monnet Chair in association with the Hungarian and Information Cultural Centre, Polish Institute and Embassies of Central Europe at School of International Studies, Jawaharlal Nehru University, New Delhi, 3 March 2015.
- **Dr. Shreya Pandey** participated in the international workshop entitled “Media Analysis Training for Country Experts” organized by the National Centre for Research on Europe (NCRE), New Zealand and Public Policy and Management Institute (PPMI), Lithuania in the framework of implementing the tender “Analysis of Perceptions of the EU and EU’s Policies Abroad” for the European Commission’s service for Foreign Policy Instruments at University of Canterbury, New Zealand, 19-23 March 2015.
- **Dr. Shreya Pandey** presented paper on “Korean Reunification: Priority, Possibility or Procastination?” at the two-day International Seminar on “Evolving Indo-Korea Relations: Perspectives of South Asia” organized by the Researcher’s Association for the Study of Korea (RASK) in collaboration with Department of East Asian Studies, University of Delhi at Faculty of Social Sciences, University of Delhi, 27-28 March 2015.
- **Dr. Shreya Pandey** interviewed by the French correspondent, Julien Bouissou for the article entitled, “Pour les émergents, l’ UE n’est guere quun partenaire commercial” Europeennes 2014, published in Le Monde, Paris on 13.05.2014.

Students:

- Sanchana Srivastava (student of 7th semester) bagged the 3rd Prize in Speech competition organized by the Centre for Far East Languages (Chinese), CUJ, on the occasion of Chinese new year celebration.



XIV. SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

2. Centre for International Relations contd...

- Abhishek Mohanty (student of the centre) bagged the 2nd Prize in Essay Competition, organized by CUJ on the occasion of National Unity Day on 31st October, 2014.

Publications :

Journals:

- Satish Kumar (2014), "China's Gain and India's Loss: Himalayan Frontiers" in the Journal of Central University of Haryana, ISSN 2348- 3377, Volume 01, pp 105-115.
- Satish Kumar (2014), "Strategic Culture and the Congress Party" in the Monthly Research Magazine, Delhi Press Journal, ISSN 09710639, pages 23-27, May, 2014.
- Bibhuti Bhusan Biswas (2014), "Myanmar as New Pivot of Clash of Interests between India and China" Politico, vol.1, no.2, March-May 2014, New Delhi, pp.20-31 (ISBN No. 2322-0686).
- Bibhuti Bhusan Biswas (2014), "Factors in 2014 India's Lok Sabha Election" Foreign Affairs Insights and Reviews (FAIR), vol.2, no.2, (Dhaka), March-May 2014. (ISSN: 2311-6286).

Book/Chapter in a Book:

- Satish Kumar authored the book titled "Indian Foreign Policy", published by Sumit Enterprises, New Delhi, Pages 285, (ISBN No.978-81-8420-427-8-)
- Dr. Satish Kumar authored the book titled "India and Himalayan Countries" published by Segment Publication, New Delhi (ISBN 93-81513-06-8)
- Aparna (2014), "Indo- Myanmar Relations in Present Context" was accepted for publication in the edited Book "Opportunities, Challenges and Policy options for mutual cooperation between India and ASEAN", 2014.
- Bibhuti Bhusan Biswas contributed book chapter titled "China-Bangladesh Relations: Implications for India," in the edited Book "India in Emerging Asia-Pacific: Challenges & Opportunities" (New Delhi: 2014), pp. 51-59.
- Shreya Pandey, Rajendra K. Jain on "Perceptions and Visibility of the European Union in India: A Study of the Media, Elites and Public Opinion" in the edited book "India in the Contemporary World Polity, Economy and International Relations", New Delhi: Routledge, Taylor and Francis Group, 2014.
- Shreya Pandey, Rajendra K. Jain on "Perceptions and Misperceptions: Images of the European Union in India" in the edited book "Transformation, Development and Regionalisation in Greater Asia", Germany: Nomos and Bloomsbury, 2014.
- Shreya Pandey, Rajendra K. Jain on "Indian Elites and the EU as a Normative Power", in the edited book "Transformation, Development and Regionalisation in Greater Asia", Germany: Nomos and Bloomsbury, 2014.
- Shreya Pandey "Will the Pall of Gloom End? The Case of Systematic Torture and Repression in North Korea", in the edited book "Deepening Indo-Korea Relations Towards a Sustainable Future", New Delhi and USA : Manak Publications Ltd., 2015.



XIV. SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

3. Centre for Human Rights & Conflict Management

Mission Statement:

The Centre aims to impart quality education for students enrolled under various courses offered by the Centre. It shall attempt to inculcate quality education with special emphasis upon human rights. It has a broader goal to empower the youth and equip to eradicate social ills and develop a peaceful and harmonious society.

About the Centre:

The Centre for Human Rights and Conflict Management is functional under the School of Humanities and Social Sciences, Central University of Jharkhand, Ranchi. Presently, the Centre is running M.A. and Ph.D programmes for the students. The Centre is organising academic events to sensitize the students and empower them with tools and techniques of the discipline. Field trips for students are organised at regular intervals and interactions with human rights activists and scholars of the discipline is encouraged and facilitated.

Academic Programmes: M.A. and Ph.D

Regular Faculty:

- Dr.Saurabh , Associate Professor
- Dr. Rajashree Padhi ,Assistant Professor
- Dr. Ashok Nimesh,Assistant Professor
- Ms. Shilpi Hembrom. Assistant Professor

Centre Head: Dr.Saurabh, Associate Professor

Activities:

Centre:

- Organized a Special Lecture by Amb. Rajiv Sikri in April 2014 with the support of External Publicity and Public Diplomacy Division of the Ministry of External Affairs (MEA) on "India's Foreign Policy".

Faculties:

- **Dr. Ashok Nimesh** delivered two lectures in a three day workshop on 'Role of Panchayati Raj for the Development of Women and Children', organized by UNICEF in collaboration with the Centre for PRIs, Women and Child Development Studies, Central University of Jharkhand 22nd - 24th April 2014.
- **Dr. Ashok Nimesh** delivered a lecture on 'Power, authority and responsibilities of Panchayats' in an Orientation Programme, organized by UNICEF, Centre for PRIs, Women and Child Development Studies, Jharkhand Government and the Central University of Jharkhand, at Hotel Holiday Home, Ranchi (Jharkhand) on 9 May 2014.
- **Dr. Rajashree Padhi** presented a paper titled "Innovation in Delivery of Mid-Day Meal Scheme through Public Private Partnership: Involvement of Akshaya Patra Foundation in India", in a two day International Conference on Public Private Partnership-Need of the Hour jointly organized by Institute of Public Enterprises (Hyderabad, India) and International Centre for Promotion of Enterprises (Slovenia), 2014.



XIV. SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

3. Centre for Human Rights & Conflict Management *contd...*

Students:

- Ms Shreya Jain (MA) cleared UGC/ NET in Human Rights and Duties in June, 2015.
- Mr Abhineet Tirkey is selected for Rajeev Gandhi National Fellowship for conducting PhD Research for the year 2014-19.
- A field visit was organized by Dr. Rajashree Padhi and Dr. Ashok Nimesh for M.A. 4th Semester Students from 6-18 February 2015 at National Institute for Rural Development (NIRD), Hyderabad (Andhra Pradesh).
- Educational field trip organized by Ms. Shilpi Hembrom for M.A. 4th Semester students to Santhal Parganas, Jharkhand from 14-19 March 2015.

Publications:

- Padhi, Rajashree (2014), "Innovation in Delivery of Mid-Day Meal Scheme through Public Private Partnership: Involvement of Akshaya Patra Foundation in India", in R. K Mishra (Ed.) book Public Private Partnership: The Need of the Hour, Bloomsbury, New Delhi, 2014.
- Padhi, Rajashree (2014), "Innovations in Delivery of Mid-Day Meals Scheme through Public Private Partnership: A Study" in Rumki Basu (Ed.) Making Democratic Governance Work: Reinventing Public Service Delivery Systems in India, Bloomsbury, New Delhi, 2014.



XV. SCHOOL OF EDUCATION

1. Centre for Education

Mission Statement:

The Centre is devoted to its cause of imparting education 'to one and all'. It is the mission of this Centre that we bring radical changes in the thinking of the society through Education. This shall lead to sustainable development in all front. It in its endeavor will equip to be teachers with the potential to preserve their cultural heritage and at the same time be able to keep pace with changing time. It will help develop leaders who can themselves initiate changes and have integrity and commitment. It will cultivate rational and scientific thinking, organizational skills and develop teaching and learning skills to be able to reach students from all socio-lingua-cultural backgrounds.

About the Centre:

The Centre for Education was established in 2013. It was done with the commitment to meet the scarcity of teachers that regularly surface in the educational scenario. In the coming years it intends to expand and incorporate masters, research and branches of special education, tribal education, adult education.

Academic Programmes:

- Four years integrated B.A. B.Ed.Degree.
- Four years integrated B.Sc.-B.Ed.Degree.

Co-ordinator : Dr. Manoj Kumar

Co-coordinator : Dr. Soumen Dey

Faculty

Contractual Faculty:

- Dr. Upasana Ray, Assistant Professor

Activities:

Centre:

- Celebrated 'Education Day' on Nov'11'2014. Many completions were held for the students. Quiz, debate, poster and essay competition was organized and prizes were distributed. The Highlight of the event was a run to spread the message of Sarva Shiksha Abhiyan.
- Quiz was organized on 28th Feb'2015 on the theme "fostering scientific temper".

Highlights:

- The centre attained recognition for 2 Years B.Ed program and it I proposed to be run from the academic session of 2015-16. Some glimpses of the V. T visit:

Publications:

Journals:

- Upasana Ray (2014), 'Technology and Social Change Among the Ho adivasis (Tribals) of West Singhbhum, Jharkhand, India' in Majumdar, S. etal (Eds.) 'Technology and Innovation for Social Change', Stuttgart, Springer. (ISBN: 978-81-322-2070-1) (2014).
- Upasana Ray, 'Emotional Recognition of students with Special Needs: A pathway to Inclusion' In Nanda, B. (Ed.) Inclusion in Education for the Challenged Children present Context'. Jadavpur



XV. SCHOOL OF EDUCATION

1. Centre for Education *contd...*

University, Kolkata. Pg no-26-30.

- Upasana Ray, 'Adjustments, Inhibitions and Rehabilitation Expectations: a case study' Ghosh, D. (Ed.) Counselling and Rehabilitation: Reaching the Unreached'. Vol II Special Education and HEPSN Cell, Jadavpur University, Kolkata. Pg no-57-63p.

Chapter in Book:

- Upasana Ray, 'Adapting New Technologies: The Story of the Ho Adivasis of West Singhbhum' in Dhanaraju, V. (Ed.) Debating Tribal Identity: Past and Present, New Delhi, Dominant Publishers. (Chapter in Book)



XVI. UNIVERSITY LIBRARY

University Library is a knowledge resources centre, which has a good collection of text as well as reference resources to meet the needs of the faculty and students. This Library is comparable to any other well established University Library of the country in respect of its services and collection.

Automation and modernization of library has been priority area to provide value added services to meet the expectations of users in digital era. On-line catalogue of books are up to date with full description of **content pages** and **thumbnail** of cover pages to give **full content** analysis of documents. Library also developed its own **website** to provide internet based services for wider accessibility to its resources. Library subscribes to a large number of databases with the coverage of electronic as well as printed which also includes more than 7000 open access journals placed on library website. In addition to above services, library has been linked to many other websites relating to academic resources available at different locations.

Salient Features:

- Open Access Library
- Good collections of Reference / Text Books on all disciplines.
- Access to 14,231 e-journals.
- Print Journals 34
- Magazines and Newspaper - 32

Online e-resources:

Sl. No.	Resource Name	No. of Journals
1	Springer Link	1763
2	Taylor & Francis	1173
3	Science Direct	1036
4	Wiley-Blackwell Publishing	908
5	Cambridge University Press	224
6	Oxford University Press	206
7	American Chemical Society	46
8	Royal Society of Chemistry	29
9	American Institute of Physics	18
10	American Physical society	10
11	Economic & Political Weekly	1
12	JSTOR	2073
13	Open Source Journals	6744
Total		14231

Online Database:

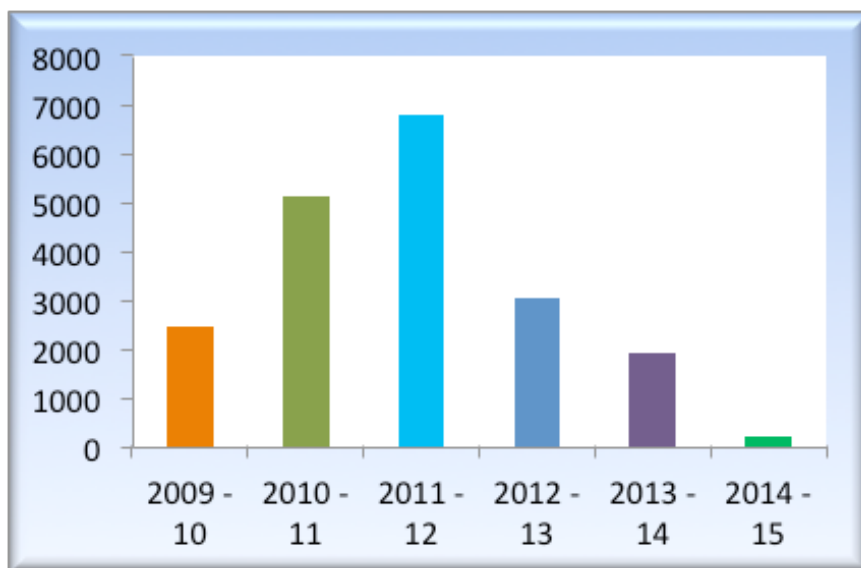
- ISID
- JCCC
- MathSciNet
- KNIMBUS



XVI. UNIVERSITY LIBRARY contd...

Institutional Membership:

- Current Science Association, Bangalore.
- American Library, Kolkata.



Statistics of the Library has been summarized as under:

Collection Development during the years

2009 - 2010	2,475	(Books)
2010 - 2011	5,122	(Books)
2011 - 2012	6,776	(Books)
2012 - 2013	3,044	(Books)
2013 - 2014	1,898	(Books)
2014 - 2015	207 (Books)	
Total Books	19, 522 (Books)	as on 31/03/2015

Circulation & usage

Circulation:

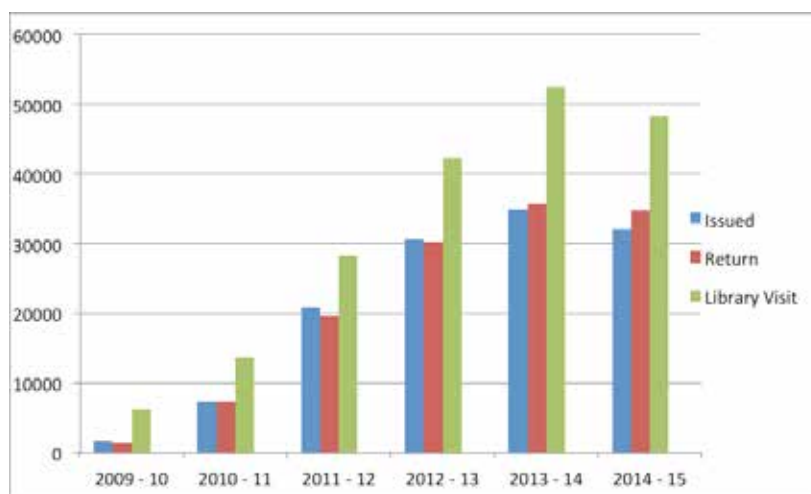
- Books issued – 32, 128
- Books return – 34, 883

Usage of Library:

- Students – 47, 676
- Faculty visited – 716



XVI. UNIVERSITY LIBRARY contd...



Year	Issued	Return	Library Visit
2009 – 2010	1,830	1,453	6,248
2010 – 2011	7,536	7,457	13,756
2011 – 2012	20,975	19,579	28,368
2012 – 2013	30,583	30,377	42,251
2013 – 2014	34,970	35,869	52,543
2014 – 2015	32128	34,883	48,392
Total	1, 28,022	1, 29,618	1, 91,558

Infrastructure facilities:

1. 1 GB line for access to e-resources
2. Wi-Fi connectivity
3. Computers
4. Reading room facility extended up to 20:00 hrs.
5. Scanners for Digitization
6. Open Public Access Catalogue

Participation in Seminar/Workshop/Training programmes:

1. Mr. S.R. Upadhyay, Assistant Librarian, Mr. Krishna Kumar Mishra, Library Attendant and Mr. Gautam Swaraj, Jr. Professional Assistant attended Librarians Day cum workshop on “**Design and Development of News Web Portal**” at BIT Mesra, on 21/09/2014.
2. Mr. S.R. Upadhyay attended National Seminar at Parswanath Vidyapith, Varanasi on 13/12/2014.
3. Mr. S.R. Upadhyay, Assistant Librarian, attended Refresher Course at Academic Staff College BHU from 21/11/2014 to 12/12/2014.



XVI. UNIVERSITY LIBRARY contd...

Future Plans:

1. Creation of Digital Library (ongoing).
2. Strengthening of e-books/e-journals/databases.
3. Library automation with using Smart Card and Self check-out and check-in with other online facility.
4. RFID Tagging.
5. Establishment of Computer Lab for usage of e-resources (under process).
6. Linkage of Library resources to smart class rooms.
7. Opening of Satellite Library at new campus to cater the needs of Students and its integration with present Library.



XVII. SPORTS AND EXTRA CURRICULAR ACTIVITIES

S. No.	DATE	PARTICULARS
1.	12.8.2014	Ranchi Dist football Match(Jr) at Brambe ground . CUJ team got walkover.
2.	7 th Sep 14	Marathon race for boys was organised . The race was of 12 KM.
3.	16 th to 18 th Sep 14	Inter House Basket ball Match was organised in which the Red House was the winner.
4.	14 th Sep 14	A 17 member CUJ wushu team participated in the 10 th State wushu championship schedule on 14 th of Sep at Ranchi and won 1 Gold , 4 Silver and 4 Bronze medals.
5.	3 rd Oct 14	Run for unity was organized in the campus , participated by all students, and faculty.
6.	10 th to 18 th Oct 14	Two players from CUJ participated in 2 nd Federation Cup Wushu championship organized at L B stadium, Hyderabad and won 1 Gold 2 Silver and 1 Bronze medals.
7.	5 th to 15 th Feb 2015	Jyoti Kumari (EVS 1 st sem) won Gold Medal in 35 th National Games, Kerala.
8.	March, 2015	Student of 4 th Semester Ramiz Akhtar won gold medal in 5 th Jharkhand State Karrate Championship-2015, held at Jamshedpur.



XVIII. STATUTORY BODIES MEETING

A. Executive Council

- 25th April, 2014 - 17th Meeting of the Executive Council
- 23rd December, 2015 - 18th Meeting of the Executive Council

B. Academic Council

- *None*

C. Finance Committee

- 5th May, 2103 - 8th Meeting of the Finance Committee
- 19th October, 2013 - 9th Meeting of the Finance Committee

D. Building Committee



XIX. ADMINISTRATION

A. Regular Teaching Staff

S l . No.	Name	Designation	Date of joining	Centres
1.	Prof. H P Sing	Professor	15.09.2014	Water Engineering and Management
2.	Dr. Satish Kumr	Associate Professor	03.11.2014	Internnational Relations
3.	Dr. Mayank Ranjan	Assistant Professor	12.08.2015	English Studies
4.	Dr. Ranvijay	Assistant Professor	14.08.2014	Internnational Relations
5.	Dr. Aparna	Assistant Professor	14.08.2014	Internnational Relations
6.	Dr. B B Biswas	Assistant Professor	18.08.2014	Internnational Relations

B. Regular Non-Teaching Staff – None

C. Activities of Hindi Cell:

- The meeting of Official Language Implementation Committee was convened in every quarter.
- The implantation of the Official Language policy of Government of India and other issues of Official Language was discussed and decision are taken thereof.
- **Quarterly Hindi Workshop** was alos organised during the year in the University in which the Officers and Staff were given valuable information and reading material on how to work in Hindi.
- The Hindi Pakhwada was organized during 1-15 September, 2014. During the Pakhwada a variety of competitive and cultural proagrmmes were organized for Students, Faculty and Staff of the University. the Hindi Diwas was organized on 14th September, 2103 in which **Shri Balbir Dutt, Chief Editor of Hindi daily Ranchi Express** delivred a lecture on Rajbhasha. On this occassion, the winners of the competitive programmes were given away the prizes.
- A one day Town Level Hindi Seminar on **“Hindi Evam Hinditar Bhashaon Mein Pool Nirman Ke Sandarbh”** was organised on 18th December, 2014 in whcih officials from Central Government Offices at Ranchi and of the University particiapted in the Seminar. Prof. Nageshwar Singh, Professor (retired), Dept. of Hindi of Ranchi University was delived the lecture as Key Speaker.



XX. VICE CHANCELLOR'S ENGAGEMENTS

April, 2014

- 12th- Presided over a lecture on "The Right to Information Act, 2005" by Hon'ble Mr. Justice A.K. Patnaik, Judge, Supreme Court of India as Chief Guest organized by the Centre for Tribal and Customary Law at CUJ Brambe.
- 16th – Presided over the meeting of Deans Committee.

June, 2014

- 10th- 11th – Meet with MHRD Secretary. Meet with UGC Chairman and Chairperson, NCTE at New Delhi
- 25th- Presided over the meeting of Deans Committee meeting. Meeting with Villagers of Chari-Manatu, Kanke related to permanent campus.
- 26th- Presided over the meeting of Deans Committee meeting.
- 27th- Emergent meeting of Building Committee at City Centre.
- 30th- Meeting of 10th Finance Committee at New Delhi

July, 2014

- 3rd – Meeting with Development Commissioner and other state officials on permanent campus at Development Commissioner's chamber.
- 5th- Presided over the meeting of Deans Committee meeting.
- 7th- Meeting with Villagers of Chari-Manatu, Kanke related to permanent campus.
- 12th- Visiting of 2013 batch IAS Probationers at CUJ Brambe Campus.
- 14th – Attended the meeting of the Standing Committee to examine the Innovative Teachers Education Programme at New Delhi.
- 18th - Presided over the meeting of Deans Committee meeting.
- 25th- 17th Executive Council meeting at Central University of Jharkhand.

August, 2014

- 11th – Vice Chancellor's address to 1st year students at Auditorium in Brambe Campus.
- 12th- Meeting with Villagers of Chari-Manatu, Kanke related to permanent campus.
- 19th-22nd- Attended meeting at New Delhi

September, 2014

- 1st – Emergent meeting of Building Committee at City Centre.
- 12th-13th – Attended Central Universities Vice Chancellors' retreat meeting at Chandigarh.
- 15th- Attended consultation meeting with the Vice Chancellors and the State Education Secretaries at New Delhi
- 19th-20th- Attended Vice Chancellors' conference of Universities in the North- Eastern Regions at Ramakrishna Mission Institute of Culture at Kolkata.
- 23rd- Meeting with All Deans and Research Scholars at Brambe Campus.
- 25th- Attended conference on Women Empowerment in Science and Technology (WEST- 2014) at Jamshedpur.
- 26th- Attended the presentation of Indian Citation Index at Brambe campus.



XX. VICE CHANCELLOR'S ENGAGEMENTS contd...

October, 2014

- 8th- Attended meeting at Delhi University on Framing the Guidelines on different issues at New Delhi.
- 21st-- Meeting of 16th Building Committee at Brambe Campus.
- 31st- Celebrated Sardar Vallabhbhai Patel Rashtriya Ekta Divas at Brambe Campus.

November, 2014

- 11th- Celebrated National Education Day at Brambe Campus.
- 14th - Celebrated Children's Day organized by student volunteers of UNNAYAN.

December, 2014

- 5th-6th – Attended East Zone Vice Chancellors' Conference at Vinaba Bhawe University, Hazaribagh.
- 11th- Meeting of 17th Building Committee at Brambe Campus.
- 15th-16th- Presided over Deans Committee meeting at Brambe Campus.
- 23rd- 18th Executive Council meeting at Central University of Jharkhand at Brambe Campus.

January, 2015

- 5th – Presided over Deans Committee meeting at Brambe Campus. Vice Chancellor's address to all Students/Faculty/Staff at Brambe Campus.
- 19th- Attended Video Conferencing from Rashtrapati Bhavan at Brambe Campus.
- 20th- Chaired Library Committee meeting at Brambe Campus.
- 27th- Presided over Deans Committee meeting at Brambe Campus.
- 31st- Convened meeting related to NAAC at Brambe Campus.

February, 2015

- 4th-5th – Attended Conference of Vice Chancellors' of all Central Universities at Rashtrapati Bhavan at New Delhi.
- 9th- Presided over the meeting of Deans Committee.
- 14th- Meeting with Chief Secretary of Jharkhand at Project Bhawan, Dhurwa.
- 21st – State Bank of India handed over the key of Ambulance to Central University of Jharkhand.

March, 2015

- 4th – Presided over the meeting of Deans Committee.



XXI. OUTREACH ACTIVITIES

UNNAYAN – A New Beginning

“UNNAYAN”, an initiative of students of the Central University of Jharkhand to serve the society, especially poor people of surroundings of the University. It was started with few students in the year of 2010 and in the year 2014 -15, **186** students of pre-nursary to Intermediate joined the Unnayan. Among them 94 are boys and 93 are girls. The faculties and students (46) of CUJ are volunteer teachers for UNNAYAN who are extending their cooperation. This year 7 students have appeared in Matriculation examination and all of them passed with **FIRST DIVISION**. One of the students scored 76.4% marks. Two students appeared in the Intermediate examination and all of them passed with **FIRST DIVISION**.

UNNAYAN organised two major events during the year.

- **Earth Day** – The Earth Day was celebrated in the month of September, 2014. The event sponsored by Indian Meteorological Society.
- **Children's Day** was celebrated on 14th November, 2014. The event was sponsored by Prof. H S Srivastava Foundation for Science and Society, Lucknow.



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XXIII. ABSTRACT OF THE FINANCIAL STATEMENT

RECEIPT AND EXPENDITURE FOR THE FINANCIAL YEAR 2014-15

RECEIPTS	AMOUNT (in Rs.)
Grants Received from UGC	25,00,00,000.00
Donation	9,00,000.00
Academic Receipt	4,30,88,520.00
Bank interest	52,75,100.00
Other income	9,74,82,733.00
Total Receipt	39,67,46,353.00

PAYMENT	AMOUNT (in Rs.)
Establishment exp	11,43,10,238.00
Academic exp	50,20,231.00
Administrative exp	1,80,45,519.00
Repair & Maintenance	17,28,965.00
Fixed Assets	11,31,356.00
Other exp	6,74,62,042.00
Total Payment	20,76,98,351.00