



# **GURU GHASIDAS VISHWAVIDYALAYA**

(A CENTRAL UNIVERSITY ESTABLISHED UNDER CENTRAL UNIVERSITIES ACT, 2009)

**BILASPUR (CHHATTISGARH) INDIA**



**ANNUAL REPORT**

**2014-2015**









VISHVAIDHYALAYA  
**CHARTING EXCELLENCE**  
GURU GHASIDAS

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# ANNUAL REPORT

(01.04.2014–31.03.2015)



GURU GHASIDAS VISHWAVIDYALAYA

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## Preface

I am pleased to present the Annual Report of Guru Ghasidas Vishwavidyalaya for the year 2014-15. The report offers a glimpse of the academic and co-curricular activities undertaken during the year. It aptly reflects the well sustained growth and development of the university after its upgradation as Central University.

During this period the university continued with its multipronged strategy to strengthen the faculty and infrastructure. The information provided in the report on a wide variety of research interests, activities, publications and conference papers during the last academic year is a positive testimony of the university's academic and professional capacity.

Successful attempts have been made to implement various schemes initiated by the University Grants Commission, Ministry of Human Resource Development and other departments of Central Government like setting up of Inspired Teachers' Club, Industry Interface Cell, Product Development Cells and Unnat Bharat Abhiyaan Cell.

Measures have been taken to make the campus safe, secure and vibrant. Various activities were organized to bring out the latent academic and creative potentials of the students. Students Council Elections were held successfully to inculcate the democratic culture amongst the students. Students were also encouraged to participate in community-centric activities including NSS and visits to the nearby villages to campaign against social evils. Hopefully these initiatives will lead to a structured and focused university-society interface in the coming years.

I extend my sincere thanks to all those who have worked very hard and effectively for the growth and development of the university. I am convinced that the university will develop as a centre of excellence for higher learning focused on inclusive educational growth in this socially and economically challenged region of the country.

**(Dr. Anjila Gupta)**  
Vice Chancellor





## VISION AND OBJECTIVES

### VISION

Motivated by the thoughts and teachings of Guru Ghasidas, a great Satnami Saint of 17th Century, Guru Ghasidas Vishwavidyalaya, Bilaspur, is committed to social empowerment, particularly of the weaker sections of the society, with the help of quality higher education and training. Focus of the University is on offering and strengthening innovative academic programmes in emerging interdisciplinary areas of Science, Social Science and Humanities with quality assurance so as to contribute to the growth of the knowledge base of the University in particular and academia in general. The University aims to provide value-based holistic education which will lead to the growth and development of the community better equipped to serve the mankind.

### OBJECTIVES

- To disseminate and advance knowledge by providing instructional and research facilities.
- To make special provisions for integrated courses in Humanities, Social Sciences and Science & Technology in its educational programmes.
- To take appropriate measures for promoting innovations in teaching-learning process, interdisciplinary studies and research.
- To educate and train manpower for the development of the country.
- To establish linkages with industries for the promotion of Science and Technology.
- To design and launch such academic programs which can bring improvement in social and economic conditions of the people, specially the underprivileged ones, and lead to their intellectual, academic and cultural development.



# INSPIRATION



## GURU GHASIDAS

Guru Ghasidas Vishwavidyalaya is named after Saint Guru Ghasidas (1756-1836), a visionary social reformer. Guru Ghasidas founded Satnam Panth, a socio-religious sect, which challenged contemporary discriminatory social order and advocated for social equality by refuting the exploitative and hierarchical caste system. With his holistic vision and systematic reforms, Guru Ghasidas contributed significantly in removing the prevailing social injustice and inequality.

Satnam Panth believes that truth is God and there is only one God, which is formless (nirgun) and infinite (anant). Individual reformation was brought by prohibiting consumption of liquor and non-vegetarian food. Guru Ghasidas also formulated principles, which show his love for fauna and his desire to put an end to cruelty towards animals. The partisans of Satnam Panth have been following these dictates from last hundreds of years now.

After its upgradation into a central university, many steps have been taken by the University authorities to translate Guruji's philosophy into reality. Now, our campus is an alcohol and tobacco free campus. Our vibrant university campus, where students from diverse castes, creeds and classes come together from all over India, provides an egalitarian environment based on Guruji's teachings.

## EDITORIAL COMMITTEE

Dr. Anupama Saxena Department of Political Science	Chairperson
Dr. Manish Shrivastava Department of English	Chairperson (English Editorial Board)
Dr. Anurag Chouhan Department of English	Member
Dr. Prasenjit Panda Department of English	Member
Dr. Archana Kumari Department of English	Member
Dr. Sonia Sthapak Department of Education	Member
Dr. Ashutosh Singh Department of English	Member
Dr. Meeta Khanna Department of English	Member

## DATA COMPILATION

Mr. H. N. Choubey Joint Registrar
Mr. Vinay Singh Computer Programmer
Mr. Raja Jaiswal Computer Operator
Mr. B. Satish Kumar Office Assistant





## KULGEET

Guru Kripa Ke punya paras se, vidya ka vardan hai  
Ghasidas Vishwavidyalaya, ham sab ka abhiman hai

Mahanadi, Sheonath, Narmada, Hasdeo pavan dhara hai  
Antah-salila Arpa ka, satat pravah nirala hai  
Chhattisgarh ki maati ka, yeh abhishek mahan hai

Bhoramdeo, Sarguja, Shivari, Ratanpur, Malhar Yahin  
Kalidas ka aamrakoot hai, amar kavya shringar yahin  
Dharti, gagan, saghan van goonje, jeevan ka navgan hai

Shasya shyamala dharti hai, kheton mein hariyali hai  
Naye bhagirath korba jaisi, lok-shakti ki laali hai  
Jaag uthe hain gaon hamare, Jaage sabhi kisan hain

Gyan sabhyata se aalokit, vidvat-jan samman yahan  
Madhav, Lochan, Mukutdhar Pandey, Bakshi ji, aru Bhanu yahan  
Rao, Vipra, Ravishankar, Chhedi, Kunwar-Veer ka gaan hai

Manav mulyon ka srijan karein ham, samta, mamta, shanti bhare  
Harshit, pulkit ho bharat maa, sukh-samriddhi sarvatra jhare  
Vidhya-mandir ke prangan se, nav-yog ka abhiyaan hai

Guru kripa ke punya paras se .....

(This Kulgeet was composed by renowned political leader, litterateur and poet, Late Pandit Rajendra Prasad Shukla, First Speaker, Chhattisgarh Legislative Assembly)



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# **PART- I**

**INTRODUCTION  
ACADEMIC ORGANS  
HUMAN RESOURCE PROFILE  
FINANCIAL RESOURCES  
STUDENT STRENGTH & FACILITIES  
COMMON FACILITIES  
VIBRANT CAMPUS**

# 1. INTRODUCTION

## 1.1 UNIVERSITY AT A GLANCE

Guru Ghasidas Vishwavidyalaya was established as state University in 1983, is a residential university. Named after Guru Ghasidas, a sixteenth century Satnami saint, the University was upgraded as a Central University under the Central Universities Act, 2009 during the XI Five Year Plan. The University is an active member of the Association of Indian Universities and Association of Commonwealth Universities. National Assessment and Accreditation Council (NAAC) has accredited the University with a B status.

Guru Ghasidas Vishwavidyalaya is located on the outskirts of the city of Bilaspur. Bilaspur, popularly known as Nyayadhani (the city of Justice) and Sanaskardhani (the city of culture) is a cosmopolitan city, which houses High Court of Chhattisgarh the headquarters of South East Central Railways and South Eastern Coalfields Limited. The journey of the University began in a humble way with a few departments in temporary buildings in Bilaspur city. Subsequently, it was shifted to the old army barracks of Second World War in the Koni area, located on the left bank of the river Arpa. The university campus is spread over 656 acres of land. Nature has bestowed the campus with unmatched beauty, immaculate blend of green areas and water bodies.

The University offers opportunities to young minds and facilitates the accomplishment of their creative talent with emphasis on character building through various streams of knowledge. The University comprises of 32 University Teaching Departments. It offers number of undergraduate and postgraduate programmes, besides diploma and postgraduate diploma courses. Admissions to all the programmes are made through a competitive All India Entrance Test conducted by the University. Admissions to the Institute of Technology (IT) and Department of Management Studies are made through All India Engineering Entrance Examination (AIEEE) and Management Aptitude Test (MAT), respectively. During 2014-15 academic session, 6245 students in the teaching departments of the University have been enrolled.

Chhattisgarh, formerly an undeveloped region, is one of the fastest growing states in the country. As an industrial hub, the state requires sizeable pool of skilled manpower. The denizens of this area can tap these opportunities in a better manner by attaining quality education and training. The University has taken extensive steps to transform both teaching and learning process in order to meet contemporary global standards. To boost the quality of teaching, the university has appointed nationally and globally trained new faculty. The University is also committed to meet an ideal student-teacher ratio. The classrooms are being modernised by installing facilities like LCD projectors, quality furniture and air conditioners. Students are continuously evaluated through internal assessment tests, assignments and end semester examinations. The transparent evaluation process, where answer-sheets of the internal assessment test are shown in the classrooms, helps the students to improve their performance. To maximize student's potential, the University has arranged excellent support facilities including hostels, cafeteria, gymnasium, student amenities centre and Wi-Fi connectivity. Through various classes—remedial, spoken English, personality development and free coaching for competitive examinations—the University is committed to guard equal opportunities for students belonging to traditionally marginalised Scheduled Caste and Scheduled Tribes.

Special measures have been taken to provide an environment conducive for over all personality development of students. The Central Library has more than one lac books and subscribes to a number of national and international journals. Apart from the Central Library, most of the departments have their own departmental libraries. Excellent sports facilities are available in the campus and hostels. The University has planned to extend sport facilities by constructing a new stadium, a swimming pool. Throughout the year many activities are organised including Republic Day, Independence Day, Foundation Day, Education Day, Swami Vivekanand Jayanti, Teachers Day, Guru Ghasidas Jayanti to make the campus vibrant. Along with sports and cultural activities, students are also encouraged to participate in social outreach initiative of the University. Through these activities,



students are encultured in participatory ways of life. International and national level events are organised to expose students to new ideas of eminent persons from all walks of life. The university teaching departments organise fieldwork, industrial visits and educational tours to impart practical knowledge. To inculcate leadership qualities among students, the University has successfully constituted the student's council. The student's council represents all the students of the University and voice their concerns during the decision making process.

To face challenges posed by the process of development, the university community is all set to contribute to the larger society through quality research and development in the various areas including energy security, food security, biodiversity management, pollution management, forest management and developmental policy. The Academic Staff College regularly organises orientation and refresher courses for the capacity building of teachers and staff. During these courses, expertise of senior faculty members of the University and practitioners from diverse fields is utilised.

In the coming years, the University will positively act as a role model for the state universities and simultaneously provide an educational opportunity to the growing number of the students of the region. The University is on the path of realising twin goals envisioned by the National Knowledge Commission; “of making higher education more relevant to the needs and opportunities of a knowledge society” and “to make higher education more accessible to all sections of the society.”

## 1.2 ACADEMIC PROGRAMMES

During the year under review, the University offered following courses:

School	Department	Courses	No. of seats	Duration (in years)
Arts	English	Integrated UG/PG	60	5
		M.A.	60	2
		Diploma in French Language	25	1
		Diploma in German Language	25	1
		Ph.D.	11	4
	Hindi	Integrated UG/PG	60	5
		M.A.	20	2
		Ph.D.	5	4
	Journalism & Mass Communication	Integrated UG/PG	60	5
		MMCJ	30	2
		Ph.D.	*	4
	Library & Information Science	Integrated UG/PG	60	5
		B. Lib. and Inf. Sc.	60	1
		M.Lib. & Inf. Sc.	50	1
		Ph.D.	6	4
	Physical Education & Sports	B.P.Ed.	50	1
		M.P.Ed.	40	2
		Ph.D.	14	4





Engineering & Technology	Chemical Engineering	B.Tech	60	4	
		M.Tech	18	2	
		Ph.D.	*	4	
	Civil Engineering	B.Tech	40	4	
		Ph.D.	2	4	
	Computer Science & Engineering	B.Tech	60	4	
		Ph.D.	2	4	
	Electronics & Communication Engineering	B.Tech	60	4	
		Ph.D.	1	4	
	Industrial & Production Engineering	B.Tech	60	4	
		Ph.D.	*	4	
	Information Technology	B.Tech	60	4	
Mechanical Engineering	B.Tech	60	4		
	M.Tech	18	2		
Life Sciences	Anthropology and Tribal Development	Integrated UG/PG	60	5	
		M.A./M.Sc.	40	2	
		Ph.D.	4	4	
	Biotechnology	Integrated UG/PG	60	5	
		M.Sc.	60	2	
		Ph.D.	17	4	
	Botany	Integrated UG/PG	60	5	
		M.Sc.	40	2	
		Ph.D.	22	4	
	Zoology	Integrated UG/PG	60	5	
			M.Sc.	40	2
			Ph.D.	15	4
Forensic Science		Integrated UG/PG	30	5	
		M.Sc.	20	2	
Management & Commerce	Commerce	Integrated UG/PG	500	5	
		M.Com.	75	2	
		Ph.D.	1	4	
	Management Studies	M.B.A.	60	2	
		Ph.D.	15	4	
Mathematical & Computational Sciences	Computer Science & Information Technology	Integrated UG/PG	60	5	
		M.Sc. (C.S.)	60	2	
		M.C.A.	60	3	
		Ph.D.	5	4	
	Pure & Applied Mathematics	Integrated UG/PG	60	5	
		M.Sc.	120	2	
		Ph.D.	5	4	



Natural Resources	Forestry, Wild life & Environmental Sciences	B.Sc.	60	4
		M.Sc.	60	2
		Ph.D.	12	4
	Pharmaceutical Sciences	Diploma in Pharmacy	60	2
		B.Pharm.	60	4
		M.Pharm.	36	2
		Ph.D.	34	4
	Rural Technology and Social Development	Integrated UG/PG	60	5
		M.Sc.	60	2
Ph.D.		7	4	
Physical Sciences	Chemistry	Integrated UG/PG	60	5
		M.Sc.	60	2
		Ph.D.	20	4
	Pure & Applied Physics	Integrated UG/PG (Physics)	60	5
		Integrated UG/PG (Electronics)	60	5
		M.Sc. (Physics)	60	2
		M.Sc. (Electronics)	60	2
		Ph.D.	7	4
Social Sciences	Economics	Integrated UG/PG	60	5
		M.A.	30	2
		Ph.D.	9	4
		B.Ed.	100	1
		B.E.D (SEL)	25	1
	Education	B.E.D (SE H)	25	1
		M.Ed.	35	1
		Ph.D.	18	4
		Integrated UG/PG	60	5
	History	M.A.	25	2
		Ph.D	3	4
		Integrated UG/PG	60	5
		M.A. in Public Administration	25	2
		M.A. in Political Sc.	25	2
	Political Science & Public Administration	Ph.D	4	4
		M.S.W.	30	2
		Ph.D.	1	4
	Law	Law	Integrated BA –LLB	60
Integrated B Com LLB			60	5







A photograph of a modern university building with a covered entrance, surrounded by greenery and a fence. The building is multi-storied with a mix of light and dark colors. The entrance is supported by several columns. There are people and a car near the entrance. The foreground is filled with young trees and plants, some with pink flowers. A satellite dish is visible on the roof of the building.

# **ACADEMIC ORGANS OF THE UNIVERSITY**

## 2. ACADEMIC ORGANS

### 2.1 SCHOOLS OF STUDIES

The University offers various courses through 32 Departments under 9 different Schools of Studies. The present set-up of School of Studies and Departments is as follows:

#### 2.1.1 ARTS

The five departments under the School of Arts are: English, Hindi, Journalism & Mass Communication, Library and Information Science and Physical Education. The departments under the School cover a wide range of courses and research interests.

#### DEPARTMENT OF ENGLISH & FOREIGN LANGUAGES

The Department of English & Foreign Languages was established in the year 1991 with an objective to enhance students' insight



A Scene from 'Kathputli', a Student Drama



Students Performing a Drama, under 'Abhinaya', the Theatre Festival

into the world of literature. With this aim, literature of the world in English is included in the syllabus. Students are introduced to various arenas of Literature, viz., Diaspora writings, Women's writings, literary theories associated with English literature, American Literature, Indian Literature in English and Caribbean Literature. For enhancing the exposure of students to the world of literature, special lectures of reputed Professors of English are organized.

The Department is equipped with its own library having more than 1500 books. Apart from this, the students also avail the facility of the central library. The central library is well stocked with books and has Internet facility as well through which hundreds of online journals, books and other materials can be accessed. Its reference section has a collection of journals, reference books and Ph. D. theses. Membership card of the central library allows the students to avail the facility for in-depth study. The department also has access to various online journals. A well-equipped language laboratory is being created to improve the communication skills of the students.

Apart from the U.G. / P.G. courses, the Department is involved in teaching all the undergraduate classes and provides the knowledge of English language and communication skills to students of other streams (B.A., B.Sc., B.Com, IT). Diploma courses in French and German languages are also available as add-on courses. Comparative Literature brings forth a broader view in the field of research, hence the Department has proposed a Post Graduate course in Comparative literature in the XII Plan proposal.





### Major Activities organized by the Department

The students of the Department organized Abhinaya-season III in which students from various departments participated. Eight plays were enacted successfully

### Major Achievements of the Faculty Members

- Prof Manish Shrivastava delivered lectures in the Academic Staff College of Guru Ghasidas Vishwavidyalaya
- Prof I.D. Tiwari delivered lectures in the Academic Staff College of Guru Ghasidas Vishwavidyalaya,
- Prof I.D. Tiwari delivered lecture on the topic “Romanticism in English Literature and other Art forms” in Digvijay P.G.Govt. College, Rajnandgaon, and Babasaheb Bhimrao Ambedkar College, Dongargarh.(12 Jan 2015)

### Achievements of the Students

- Sudipta Ghosh a student of M.A. III Semester qualified UGC NET(Dec 2014)
- Maitrayee Mishra, research Scholar qualified UGC NET(Dec 2014)
- Debashish Mitra ,research Scholar qualified UGC NET(June 2014)

### DEPARTMENT OF HINDI

Established in the year 1987, the Department of Hindi offers five years integrated UG/PG programme along with a PG course in Hindi and M.A. in Hindi Sahitya Evam Anuvad Vigyan. Apart from these courses, the department is engaged in teaching one year Foundation Course to students of B.A., B.Sc., and B.Com. To promote Hindi Literature and Language, the Department regularly organizes seminars, debates and poetry-recitation competitions. The departmental library has 1000 books and it subscribes for reputed journals. During the academic session various literary activities such as Kavya Goshthi, symposiums and weekly 'Sahitya Vaarta' are organized to promote Hindi Language and Literature. The Department continuously strives to make the students understand the importance of Hindi Literature through well organized academic programs. The students are made aware of the importance and objective of Hindi Language from the point of view of nationality and career options.

### Major Activities organized by the Department

- Nirala Jayanti Celebration:- On 23 Jan 2015, on the occasion of birth anniversary of epoch-making Hindi poet, Mahapran Suryakant Tripathi 'Nirala' and the auspicious occasion of Vasant Panchami poetry recitation was organized in which more than 50 students participated.
- Sahitya Vaarta' is organized every Friday in the Department by the teachers of the Department.
- On 18 Sept 2014, well known story writer Roopnarayan Sonkar was invited for guest lecture on 'Dalit Vimarsh'.
- On 20 Feb 2015, the Department organized Hindi Recitation at University level for teachers to present the poetry written by them.

### Major Achievements of the Students

- Research Scholar Pradeep Kumar presented a research paper in Govt. Lahiri Mahavidyalaya in a National Conference.
- Research Scholars Pradeep Kumar and Pallavi Rinhite qualified UGC JRF.

### Achievements of the faculty members



Poetry Recital Function



A Student Reciting a Poem



- Dr Murli Manohar Singh was appointed the Literary and Cultural Coordinator of School of Arts.
- Dr Murli Manohar Singh was appointed the Coordinator of 'Abhinartan'.
- Dr Ramesh Kumar Gohe was invited as the Resource Person in the National Conference organized at Govt. Lahiri Mahavidyalaya. He delivered a lecture on the topic: “Hindi Sahitya Mein Kisaan: Sapne, Sangharsh, Chunautiyan aur Ikkiswi Sadi”.
- Dr Murli Manohar Singh presented a paper in the National Conference organized at Govt. Lahiri Mahavidyalaya entitled: “Kisaan Sangharsh Ke Yatharth: Sahitya Se Samaaj Tak”.
- On 5.1.15 Dr Ramesh Kumar Gohe was made Ph.D Supervisor.
- Five Research Scholars were enrolled for Ph.D under the supervision of Dr Ramesh Kumar Gohe.

### DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION

Established in the year 1988, the Department offers a postgraduate programme in Mass Communication and Journalism and five years integrated UG/PG programmes in addition to Ph.D. The curriculum is designed to enable students to develop skills related to media (Print, Electronic and New Media), Journalism & Mass Communication, Development Communication, Communication Research, Advertising, Public Relations and related courses/areas. The Department also undertakes the task of preparation of bulletins, newsletter, house journal, magazine and documentaries on various occasions. The Department also offers service to the Media Cell of the University to prepare reports, audio-visual recording of all events for University archives and for the wide circulation of the University related matters to media.

#### Objectives

- To provide media education and professional training.
- To study and utilize the mass media and traditional media for integral development of Chhattisgarh.
- To act as a nodal centre for the production of audio-visual programmes and publication of community newspapers on the rich culture and heritage of Chhattisgarh for regional and national transmission.
- To act as the media resource and research centre through regional, national and International networking.

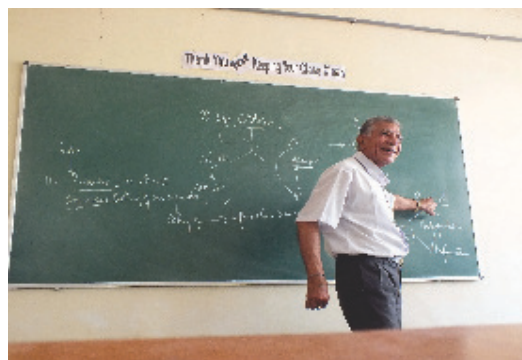
#### Achievements of the Students

- Students of the department visited All India Radio Station, Bilaspur and saw the functioning of the studio, recording and broadcasting of programmes etc.
- Student of B.A.III Sem. Abhijit Singh was elected as member of student council 2014-15.

### DEPARTMENT OF LIBRARY & INFORMATION SCIENCE



Two day National Seminar on Science Sensitization among Commons An Academic Public Library Venture of Chhattisgarh



Invited Lecture of Prof. R. G. Parasar to the Students of Library & Information Science





The Department of Library and Information Science, was established on 27 September, 1985 under the School of Studies in Arts. It is one of the oldest Departments of its kind in the region, providing knowledge to a broad audience. Started with a limited infrastructure during initial days, the Department has grown-up in many folds during years. Presently the Department is running Five Years Integrated UG/PG Course in Library Science, Bachelor of Library & Information Science, Master of Library & Information Science and Doctor of Philosophy in Library Science. The very motto of our education is not only to provide need-based education, but also to empower students with modern skills and competence. We have developed an environment where students get motivated to learn. Up-to-date syllabus, functional library equipped with a broad collection for the relevant scientific literature, and fully equipped laboratory are our major strengths. We help students to improve their communication skills to participate in various symposia and congresses and share their views and experiences with fellow members. Through highly motivated faculties and their dedication, we aim to serve as a model for our profession.

### Objectives of the Department

- Providing quality education to meet the students' needs, regardless of where the student may live.
- Exploring and integrating innovative technology to enrich teaching, foster scholarship and advance professional practice.
- Advancing the frontiers of knowledge and practice in Library and Information Science.
- Serving the field, the community, the region and the world.
- Generating skilled manpower for organizing, disseminating, managing and preserving information.

### Students' Achievements

- Students are well placed in various reputed organizations.
- A considerable number of students qualified National Eligibility Test (UGC) and Chhattisgarh State Eligibility State.

### Department Activities during 2014-15

The Department of Library & Information Science in collaboration with RRRLF, Ministry of Culture & Chhattisgarh Council of Science & Technology, Chhattisgarh has organized a two days National Seminar on Science Sensitization among Commons: An Academic Public Library Venture of Chhattisgarh during 27-28 March 2015. In this mega event delegates from all around India participated. Along with 264 regular participants, four leading schools of Bilaspur along with their 50 Students also participated in this event. Speakers like Amalesh Mukhopadhyay, Scientific Advisor, DST, Prof R. K. Mishra, Sambalpur University, Prof M.M Humbarde, Director General CGCOST, Prof. Subal Chandra Biswas, Burdwan Rajbati University, Dr. Parthasarathi Mukhopadhayya, Kalyani University, Dr. R.P Singh, OSD Public Library Chhattisgarh were invited to deliver lectures. The motto of this seminar was to promote importance of science in common man's life.

A week long national workshop on Digital Solution of Libraries through Open Source Software was held during 4-8 May 2015. This workshop was intended to promote the use of open source Software in actual library setup. JOOMLA for web page designing, Ubuntu for operating system, D-Space for digital repository system, and KOHA for Integrated Library Management system was taught to 50 participants. Extensive Hands on training was given at the laboratory of Computer Science & Information Technology. UNESCO course content right up Dr. Parthasarathi Mukhopadhayya, Dr. B. Mukherjee, Head DLIS & Prof Amit K Saxena, Dean CSIT were the resource person.

Prof. R. G. Parasar, Former Dean, Dr. Hari Singh Gour University, Sagar, Prof. J. K. Mishra, Dean, Dr. Hari Singh Gour University, Sagar were invited to deliver though provoking lectures to the students of Library & Information Science. While Prof. Prasher delivered his lecture during 06-08 April 2015 and Prof. Mishra delivered on 31 June 2015 for the students of Library Science.

One day Workshop on "Springer Author" was held during 16 December 2014. This workshop was proposed to promote the use of Springer Database.

Two days Educational Tour was conducted for the students of Under Graduate Course in Library Science, at Raipur. The motto of this tour was to show the actual functioning of libraries in real set-up. Different types of libraries, including, Academic, Special and Public Libraries were visited.



### DEPARTMENT OF PHYSICAL EDUCATION

The Department of Physical Education and Sports was established in the year 1985 to provide quality education and expertise in the field of Physical Education and Sports. One year B.P.Ed. (two Semesters), Two years M.P.Ed. (Four Semesters) and Ph.D. courses are being offered in the Department. The Department owns well-kept play grounds, two basketball courts equipped with floodlights, a multi-station Gymnasium, a sophisticated sports science laboratory and a well-equipped departmental library. The infrastructure is developed as per the norms of the National Council for Teachers Education (NCTE). A team of competent instructors and teachers impart training and assignments. The Department also arranges coaching camps for various games and sports to improve the skills of the players and to upgrade their performance at different levels of competitions. 11 teams were trained and a total of 102 students participated in East Zone/Inter-Zonal/ All India Intersarsity level tournaments in different sports events across the country. Sports Committee and Sports Board have been constituted to advise and monitor the sports activities undertaken by the Department.

#### Participation of Students in Different Activities

- All India Inter University (M/W) Taekando Competition, Anna University, Chennai
- East Zone Inter University (M) Badminton, B.H.U. Varanasi.
- East Zone Inter University (M) Basketball Tournament, M.G. Kashi Vidyapeeth, Varanasi.
- East Zone Inter University (W) Basketball Tournament, B.H.U. Varanasi.
- East Zone Inter University (M/W) Chess Tournament, KIIT, Bhubneswar.
- East Zone Inter University (M/W) Table-Tennis Tournament, KIIT, Bhuvneswar.
- East Zone Inter University (M) Tennis Tournament, KIIT, Bhubaneswar.
- East Zone Inter University (M) Football Tournament, Mizoram University, Aizawal.
- East Zone Inter University (M/W) Handball Tournament, V.B.S. Purvanchal University, Jaunpur (U.P.)
- East Zone Inter University (M) Kabaddi Tournament, Bilaspur University (C.G.)
- All India Inter University Cross Country (M/W), M.G. University Kottayam.

#### Achievements of Students

- Six students qualified the UGC NET examination

### 2.1.2 ENGINEERING & TECHNOLOGY

#### Institute of Technology

The Institute of Technology was established in the year 1997 for promoting the technical education in order to produce professionally qualified, technical personal capable to face the more competitive and entrepreneurial challenge. With the help of well qualified and experienced faculty members, modern teaching aids & amenities, rich library, well equipped laboratories, computer facilities and other necessary infrastructure, the institute is intended to provide career ready graduates.

The Institute of Technology is equipped with many central facilities viz.: Central Library, Training and Placement Cell, Electronics Classroom (E-class room) and Internet facilities. The Institute is a life member of the Institution of Engineers (IE), Kolkata as well as of the Indian Society for Technical Education, (ISTE) New Delhi.

Presently, the Institute offers following B. Tech. degree programme in seven demand-driven disciplines.

- B.Tech. in Chemical Engineering
- B.Tech. in Civil Engineering
- B.Tech. in Computer Science & Engineering
- B.Tech. in Electronics & Communication Engineering
- B.Tech. in Industrial & Production Engineering
- B.Tech. in Information Technology
- Admissions to B.Tech. Courses are made through Central Seat Allocation Board (CSAB) on the merit basis of Joint Entrance



Examination (JEE) Main. The syllabi of all the academic programmes are regularly updated to keep in pace with the latest developments and changes in the international technological scenario.

The institute is running M.Tech. program in Chemical Engineering and Mechanical Engineering. Ph.D. programme is also being offered in five branches of Engineering namely: Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Industrial & Production Engineering and Mechanical Engineering. A Testing and Consultancy Cell is functional in the Institute which is conducive in lively Institute –Industry interaction in particular and services to the society in general.

### Achievements of Institute

- 122 B. Tech. final year students have qualified in GATE-2015, out of these five (05) students have secured all India within 100 rank in their respective branch.
- B.Tech. in Mechanical Engineering
- Students of the Institute organized Tech-Fest “Equilibrio” during 16<sup>th</sup> – 17<sup>th</sup> January, 2015 like past two years i.e., 2013 and 2014. Students from other schools /university and from institutions across the country also participated in the event with great enthusiasm.
- Many students of B.Tech. final year 2015 have also qualified in CSIR/NET/IBF/CAT/GRE with good ranks.
- Students of I.T. have undergone summer training in the esteemed organizations/ Institutions like IISC Bangalore, IIT Delhi, IIT Kanpur, TIFR Mumbai, IIT Kharagpur, DRDO, Dehradun Indo German Tool Room Hyderabad, Ind. Bhubaneshwar, HAL Lucknow, Indian Oil Corporation Ltd. (IOCL), Steel Authority of India Ltd. (SAIL), Bharat Aluminium Corporation Ltd. (BALCO), South Eastern Coalfield Ltd. (SECL) etc.

### DEPARTMENT OF CHEMICAL ENGINEERING

The Department of Chemical Engineering was established in the year 1997 with an undergraduate programme in Chemical Engineering. The basic objective of the department is to impart education and training of chemical engineering to the students and to eventually make them competent and well qualified chemical engineers. The department has started M. Tech. course from the session 2011. Several important state of the art experimental facilities have been added into the department. The department has student society named “ChESS” promoting various co-curricular activities of students in the department. Several Chemical Engineering books have been procured in the departmental library. During this session department also conducted various co-curricular activities like seminars, industrial visits, aptitude tests, quiz etc. for developing overall competency of the students.

Thrust Area: fluidization, catalysis, separation processes and process intensification.

Major Equipments available in the Department: GC, Bomb Calorimeter, Fluidized Bed Extraction, UV Spectrophotometer, BOD Incubator, Ion Exchanger.



Students Conducting Practicals



Students Recording Experiment Readings





## Achievements of the Students

- Mayank Gupta, and Priyanuj Bhuyan of B.Tech. VISEmester, presented a Poster on title “Separation of CH<sub>4</sub>-N<sub>2</sub> mixture using pressure swing adsorption” in CHEMCON 2014 organized by Chandigarh Regional Centre, IICHE (Dec 27-30, 2014).
- Mayank Gupta, Mayank Gupta, and Priyanuj Bhuyan of B.Tech. VI Semester, presented a Poster on title “Decolorization of dye waste water using organic/inorganic hybridization” in REACT-2015, a National Conference held at LIT Nagpur on 28/01/2015.
- Team of Sharad Kumar and Raju Das B.Tech. IV Semester, won BASF-IIT Bombay Industrial Visit Quiz contest, organized by IIT-Bombay with co-relation of BASF Chemicals on 13/03/2015 at Navi Mumabi.
- Sakshi Dubey of B.Tech. VII Sem worked as Head of Photography Board for UDAAN magazine of university.
- Team of Shivam Sahai Bedar, Ratan Mondal and K. Akshit students of VI Sem coordinated the Show Management competition in EQUILIBRIO-2K15 at GGV, Bilaspur.
- Hariprasad Thalishetty of B.Tech. Chemical Engineering qualified the GRE-2014.
- Glen Savio Palmer of B.Tech. Chemical Engineering qualified the CAT-2014.
- 15 Students of B.Tech. Chemical Engineering qualified the GATE-2014.



Chemical Engineering Lab

## DEPARTMENT OF CIVIL ENGINEERING

The Department is offering an Undergraduate B.Tech. Programme in Civil Engineering since 2008 with an annual intake of 40 students. PhD. Programme is also being offered by the department. The Department has offered the testing and consultancy services for the government, private and public sector organizations in the field of Civil Engineering.

Major Achievements:

- Faculty members of Department have published 03 research papers in international cited journals in this session 2014-15.
- Prof. Shailendra Kumar has been invited as reviewer for the international journals of Elsevier and Springer respectively.
- Prof. Shailendra Kumar has ongoing major research project funded by UGC, New Delhi.
- Prof. Shailendra Kumar has supervised an M.Tech. student of Machine Design (Mechanical Engg. Deptt. IT.) for his M. Tech. thesis work.
- Dr.M.C.Rao has ongoing major research project funded by CSIR, New Delhi.
- 18 out of 37 students have qualified in GATE-2015.
- Two students have been selected by M/s Patel Rail Infrastructure Ltd. through placement assistance.



Students, Staff and Faculty Members of Civil Engg Deptt are participating in Swachh Bharat Abhiyan



B. Tech. Students are performing experiment in Fluid Mechanics Laboratory



- One faculty member of the Department, Shri R.K. Choubey is continuing his Ph.D. research work in the Department.
- Through External consultancy services, the Department has generated revenue of total Rs. 1,23,014.00 during the session 2014-15.
- One of the faculty members, Dr. M C Rao, Coordinator Techfest 2015, successfully conducted the Techfest, “Equilibrio-2015” held during 16<sup>th</sup> - 17<sup>th</sup> January 2015 organized by Institute of Technology, GGV.
- Department has implemented and participated in Swachh Bharat Abhiyan actively from time to time.



A B. Tech. Student is testing a concrete specimen in Material Testing Laboratory

### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

The Department of Computer Science & Engineering was established in 1997. The department offers B.Tech. in Computer Science & Engineering and Ph.D. in Computer Science & Engineering. Faculty members of the Department are highly qualified and experienced in their respective fields. The Department has specialized laboratories such as Digital Image Processing Lab, DLD Lab, Networking Lab, Network Security Lab, Project Lab, Basic Programming Lab, Advance Programming Lab, Database Lab, Graphics Lab and Operating System Lab. The Department has licensed copies of DB2 Universal Database, Visual age for JAVA and web server applications. The Department provides opportunities to the students to carry out projects under joint supervision of the faculty and the experts from industries.

The Department also arranges training of students in reputed government and public sectors like DRDO Delhi, Microsoft Hyderabad, CMC Kolkata, Orbit IT Hyderabad, SECL, BSNL, Indian Railways, Bokaro Steel Plant and Bhilai Steel Plant. Students have been placed in reputed private, public and government organizations like Infosys, Wipro, Persistent, International Business Machines (IBM), TCS, Mahindra BT, Syntel, Satyam, BSNL, NTPC and INFLIBNET

### Thrust Area

The Department's current research thrusts include

- Algorithms and Complexity**  
The Department has considerable strength in computational geometry, digital geometry, quantum computing and core areas of computational complexity theory.
- Parallel and Distributed Computing**  
Parallel and distributed computing is an area of emerging strength in the Department.
- Security and Cryptography**  
Security and cryptography are areas of emerging focus in the Department. The Department has facilitated the inception of a Centre of Excellence in Security Research in the institute
- Software and Systems Engineering**  
Software Engineering research has been a traditional area of strength of the Department. Systems related areas of strength include databases and networks.

### Objectives of the Department

- To prepare professionally competent manpower in the field of Computer Science & Engineering
- To educate students in Computer Science & Technology and other areas of scholarship that will best serve the nation and the world in 21<sup>st</sup> century
- To establish facilities for the education / training in the area of Computer Science & Engineering and
- To conduct multidisciplinary programs in Computer Science & Engineering







System Software Lab



DLD Lab

#### Major Research Facilities available in the Department

- a) The Department has Network Security Kit of i-securit.
- b) The Department has a LAN Trainer Kit
- c) The Department has a Microprocessor Kit
- d) The Department has a DLD Kit
- e) The Department has an image processing Kit
- f) The Department has 150 computers
- g) The Department is equipped with the Latest software like DOT.NET, C sharp, Java, Database softwares, C, C++ and Latest Operating System



## Student Achievements

Achievements of the students in Exams (GATE, CAT, GRE, UPSC, Bank etc.)

a) 14 students qualified GATE in the Session

S.No.	Name of Student	Marks	All India Rank
1	Swetansh Kumar	32	7500
2	Indresh Tripathi	31	7800
3	Vivek Kumar Lata	51	1021
4	Dharmendra Saraswat	36	4699
5	Sunny Saurabh	24.85	13721
6	Kumari Vaishali	36.91	4361
7	Nancy Kumari	27.36	10771
8	Richa Ranjan	38.84	3461
9	Priyanka Kumari Garg	25.40	11432
10	Sumit Kumar	35.71	4806
11	Sushil Kumar Yadav	25.02	13603
12	Saurabh Rai	29	9500
13	Akash Joshi	27	11200
14	Neha Gupta	24.85	13741

a) Two students Abhilash Kumar and Subhojit Ghosh cleared CAT Exam.

Placement (Outside and Close) :

a) CSE, IT GGV Student's Placements during 2014-15

Sno	Name of Student	Name of Company	Name of City	Country Name
1.	Mr.Subhojit Ghosh	Persistent	Nagpur /Pune	India
2.	Md.Mozammil Khan	Persistent -	Nagpur /Pune	India
3.	Mr. Swetansh Kumar	Persistent -	Nagpur /Pune	India
4.	Mr. Akah Joshi	Persistent	Nagpur /Pune	India
5.	Mr. Nancy Kumari	Persistent -	Nagpur /Pune	India

b) CSE , IT GGV Student's Placements (OUTSIDE) during 2014-15

Sno	Name of Student	Name of Company	Name of City	Country Name
1	Ku Vaishali	TCS	Mumbai	India
2	Ms Richa Ranjan	TCS	Mumbai	India
3	Mr Akash Joshi	TCS	Mumbai	India
4	Mr Akash Sethi	TCS	Mumbai	India
5	Mr Sunny Saurav	TCS	Mumbai	India
6	Mr Sumit	TCS	Mumbai	India
7	Mr Abhilash	TCS	Mumbai	India



## Achievements of the students in other Activities (Games, Cultural etc.)

S. NO.	NAME OF STUDENT	NAME OF EVENT	NATIONAL/INTERNATIONAL	MERIT POSITION
1.	Dominic X. Lakra	Counter Strikr(Lan Gaming), Techfest-ITGGU,Bilaspur	National	3 <sup>rd</sup>
2.	Dominic X. Lakra	Counter Strikr(Lan Gaming), Techfest-IIM, Raipur	National	2 <sup>nd</sup>
3.	ShivendraShekhar&Abhiroop Chatterjee	Counter Strikr(Lan Gaming), Techfest-ITGGU,Bilaspur	National	2 <sup>nd</sup>
4.	Shubham Jain	Coding X-Master, Techfest-ITGGU, Bilaspur	National	2 <sup>nd</sup>
5.	Pooja Chugwani	LINUX, Techfest-ITGGU, Bilaspur	National	3 <sup>rd</sup>
6	Ajeet Gupta	LINUX, Techfest-ITGGU, Bilaspur	National	2 <sup>nd</sup>
7.	Pushkar Singh	Coding X-Master, Techfest-ITGGU, Bilaspur	National	3 <sup>rd</sup>
8.	Dominic X. Lakra	Paper Roller Coaster, Techfest-ITGGU, Bilaspur	National	1 <sup>st</sup>
9	Vishal singh	quiz	National	2 <sup>nd</sup>
10	Nitish Bhardwaj	quiz	National	2 <sup>nd</sup>



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering was established in the year 1998. With excellent exposure and innovative ideas in the teaching and learning process, the Department incessantly endeavours to produce self-employed and self-dependent technocrats. It has well equipped laboratories with experimental setup for Basic Electronics, Analog Circuits, Signal & System, Switching and Pulse Theory, Linear Integrated Circuits and Applications, Electronic Measurement and Instrumentation, Communication system, Microprocessor-8085, Microprocessor-8086, Digital Signal Processing, VHDL Design, Data Communication, Microwave, Circuit Simulation and Optical Communication. Latest software and equipments like Xilinx ISE (25 users) for VHDL Lab, Matlab, Spectrum Analyzer are also available in the Department. In order to develop inter-personal skills amongst the students, the Department also organizes various co-curricular activities like Seminars, Aptitude test and Quizzes. The alumni of the Department are working in various multinational companies and in leading government and public sector organizations.

Thrust Area: Wireless Communication, VLSI, DSP and Antenna.

### Achievements of the Faculty members

- Mrs. B. Nath, Assistant Professor, stood Runner up in Badminton Doubles Competition organized by Guru Ghasidas University, during Jan-2015

### Achievements of the Students

- Twenty three students qualified in GATE.
- K.B. Sneha, a student of III Sem., won Gold Medal, in Inter-departmental Badminton Competition 2014-15, held at GGV Bilaspur.
- C. Akshay Naik, a student of I Sem., won Gold Medal, in Inter-university Badminton Competition 2014-15 held at BHU.
- C. Akshay Naik, a student of I Sem., won Gold Medal, in Inter-departmental Badminton Competition 2014-15 GGV Bilaspur.
- Chetan Kumar, a student of I Sem., won Silver Medal, in Inter-departmental Badminton Competition 2014-15 GGV Bilaspur.

## DEPARTMENT OF INDUSTRIAL AND PRODUCTION ENGINEERING

The vision of the Department is to provide quality technical education to produce professionally qualified Engineering graduates equipped with diverse learning experiences in integrated Industrial systems of production, Services and Managerial practices are to be competitive nationally and internationally.

Department of Industrial & production Engineering was established in the year 1997. The Department has well qualified faculties and trained staff. The Department has well equipped laboratories for students. The industry training for the students of final year and third year students are arranged to provide opportunities for practical exposure in organizations like SECL, BHEL, BALCO, JINDAL, CSEB power plants and in other public and private companies.

The Department is also engaged in organizing other activities like seminars, guest lectures, aptitude tests and quiz to provide and develop interpersonal skills. The passed out students are working with a company like SAIL, BHEL, NTPC, ONGC IOC, HPCL, RELIANCE ENERGY Ltd., BALCO, JINDAL, CSEB, DRDO, ISRO, HAL, Indian Railways and other reputed companies.

Thrust Area: CAD/CAM, Robotics, Sustainable supply chain management, Green supply chain management, Taguchi's design methodology, Reverse logistics, Third Party Logistic Service Provider (3PL).



### Achievement of the Faculty Members

- Prof. Mukesh Kumar Singh has an ongoing major research project funded by UGC, New Delhi.
- Prof. Mukesh Kumar Singh is a member of Editorial board in two international Journals [International Journal of Applied Artificial Intelligent in Engineering System (IJAAIES) & International Journal of Artificial Intelligence and Computational Research (IJACR)].
- Faculty member published more than 10 papers in various international Journals in the session.
- Prof. Mukesh Kumar Singh, Dr. Kottala Sriyogi & Prof. Nitin Sahu, have been invited as reviewers for the international journals of Elsevier, Taylor & Francis and Springer respectively. Like Robotics and Autonomous Systems, International Journal of System Science, Journal of Intelligent & Robotics System, Benchmarking: An International Journal, Production and Manufacturing Research etc.
- Mr. Nitin Sahu got an outstanding commended paper award at EMERALD Literati Network “Award for Excellence 2013”, International Journal of Grid Systems: Theory & Application, EMERALD Publication (London).

### Achievements of the Students

- Twelve students qualified GATE-2013 exam with excellent percentile out of which 03 students secured All India Rank (AIR) within 50.
- Fifteen (15) students qualified GATE-2014 exam with excellent percentile out of which 04 students secured All India Rank (AIR) within 20 (Mr. Salah Ahmad Sabri-AIR-02, Shashi Alok- AIR-03, Mr. Vipul Gupta-AIR-12 & Mr. RamanujamTiwari-AIR-17).
- Ms. Anumeha Rai secured All India Rank (AIR) 75 in CEED-2014.
- Mr. Salah Ahmad Sabri, Secretary in the student council during the academic session 2012-13.
- Eighteen (18) students qualified GATE-2015 exam with excellent percentile out of which 05 students secured All India Rank (AIR) within 100.

## DEPARTMENT OF INFORMATION TECHNOLOGY

Founded in 2000, the Department of Information Technology continues to build the nation by producing high class Engineer through education and research. In the past one decade, the Department of Information Technology has influenced society at levels that remain parallel among academic institutions. Its spin-offs are among the most successful corporate ventures in the nation, and many of the leaders in the academic and corporate research world are graduates from here.



Advance Programming Lab, Dept of IT



Microprocessor Lab, Dept of IT





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<u>Name of Students</u>	<u>Sem</u>	<u>Type of Activity</u>	<u>Date of Activity</u>	<u>Award / Recognition</u>
1. Mr Vipin Dixit	3 <sup>rd</sup>	Techfest IT- GGV2015	16 <sup>th</sup> – 17 <sup>th</sup> Jan 2015	First Prize in Line Follower Event, Participant in RC Boat Event
2. Mr Vishal Kumar	3 <sup>rd</sup>	Techfest IT- GGV2015	16 <sup>th</sup> – 17 <sup>th</sup> Jan 2015	Participant in Fizcraft Event
3. Ms K.Navya Shree	7 <sup>th</sup>	Techfest IT- GGV2015	16 <sup>th</sup> – 17 <sup>th</sup> Jan 2015	Second Prize in Group Dance Event
4. Ms Sunand a	7 <sup>th</sup>	Techfest IT- GGV2015	16 <sup>th</sup> – 17 <sup>th</sup> Jan 2015	Second Prize in Group Dance Event
5. Mr Mahesh Nathwani	7 <sup>th</sup>	Techfest IT- GGV2015	16 <sup>th</sup> – 17 <sup>th</sup> Jan 2015	Co-ordinator
6. Mr Mahesh Nathwani	7 <sup>th</sup>	Udaan-Magzine- GGV	10 <sup>th</sup> Oct- 14 <sup>th</sup> Apr 2015	Member

Through a team of experienced & qualified faculty members, the Department puts a great emphasis on laboratory and project work. Through laboratory work, we instill the skills to use and apply various concepts, tools and techniques; it also helps them to develop the core technical as well as general professional competencies through experiential and collaborative learning.

Faculty members are dedicated to impart excellence in information technology to cope with recent market drift.



## DEPARTMENT OF MECHANICAL ENGINEERING

Department of Mechanical Engineering was established as one of the branches in the Institute of Technology in the year 2006 after getting approval from AICTE for intake of 60 students. The main objective of the department is to produce the mechanical engineering graduates who are update with the latest theoretical and experimental knowledge and ready to take up challenging jobs in government departments, public sector organizations and industry. The department puts lots of emphasis on training of students which can bring out their inner capabilities and lead to their full growth and development. Enough emphasis is put on their hands on training for which the department has well equipped labs of theory of machines, strength of materials, heat & mass transfer, refrigeration and air conditioning and central workshop. For last four years department is running M Tech Programme in Machine design, where we take only GATE qualified students. PhD Programme is also available in the department.

### Course Attended by faculty members:

1. Dr Rajesh Kumar Bhushan
  - i. Solar power and Space conditioning, IIT Delhi, 2-8 June 2014.
  - ii. Modeling and Simulation of Dynamical Systems and Optimization, Delhi Technological University, 9-13 June 2014.
2. Mr. Shailendra Singh:
  - i. Training Programme on: Use of e-resource” Sept 2014 at NIT Raipur.
  - ii. A short term training Programme on “Glimpser and engineering” at NIT Raipur March 2014.
3. Mrs J.P.Ekka, STTP on Computer Aided Modeling using Ansys & CREO, NIT, Shillong, 3rd June-7th June 2015.
4. Mr. Prashant Jangde, QIP short term course on: Applied Research Design and Execution” IIT Roorkee, 15-19 June 2015
5. Mrs Shweta Singh, short term course on Mechatronics, MEMS and Micro –fabrication Department of Mechanical Engineering, Indian Institute of Technology, Indore. 07-11 July 2014

### International Journal Papers –Published by faculty members

Dr Rajesh Kumar Bhushan is Reviewer of the following international Journals

- i. Energy conversion and management, Science Direct
- ii. Energy, Science Direct
- iii. Material Science and Engineering B, Science Direct
- iv. Journal of cleaner production, Science Direct
- v. Material Letters, Science Direct
- vi. Composite Part B, Science Direct
- vii. Journal of the Taiwan Institute of Chemical Engineers, Science Direct
- viii. Journal of Manufacturing Science and Engineering, ASME
- ix. Machining Science and Technology, Taylor and Francis
- x. Journal of Materials: Design and Applications, Sage Publication
- xi. Journal of Engineering Manufacture, Sage Publication
- xii. Journal of Engineering Manufacture, Sage, Publication
- xiii. Journal Scientific Research and Essays
- xiv. Tribology in Industry



### Students Achievements

1. Mr Sandeep Kumar, Mr Rohit Raj, Mr Shubham Sekhar Agrawal and Mr Abhishek Umrey, 2<sup>nd</sup> Year B.Tech (Mechanical) students, secured 1<sup>st</sup> position in Presentation on Air-conditioning Design at IIT Khragpur(TechFest) and received a cheque of Rs. 10000/- and Winner Certificate.
2. Mr Amit Kumar Mr Ravi Kumar and Mr Prabhat Paswan, 1<sup>st</sup> year B.Tech students won First prize in GGV Tech-Fest2015.
3. Mr Sandeep Kumar,Mr Abhishek Umrey,Mr Rohit Raj and Abhijeet Singh, 2<sup>nd</sup> Year B.Tech (Mechanical) students, secured 1<sup>st</sup> position in ROBO WAR, GGV Tech-Fest2015.
4. Mr Dev Rana, Mr Kamlesh Singh Thakur, Mr Himanshu Chanmdra, and Mr Avik Mitra, 2<sup>nd</sup> Year B.Tech (Mechanical) students, secured 2<sup>nd</sup> position in ROBO WAR, GGV Tech-Fest2015.
5. Mr Earic Lakra 2<sup>nd</sup> Year B.Tech (Mechanical) students, secured 2<sup>nd</sup> position in, Landrover (Event), GGV Tech-Fest2015.
6. 30 students, qualified in GATE-2015 examination.
7. 02 student, qualified in CAT.
8. Summer internship in reputed institutions like

### Thrust Areas

- Fabrication of metal matrix composites (MMCs)
- Study of micro and macro mechanics of polymer matrix composites (PMCs) and metal matrix composites (MMCs)
- Friction stir welding
- Micromachining

### 2.1.3 LAW

The Department of Law is an exclusive department under the School of Law.

#### DEPARTMENT OF LAW

The department of Law was established in the year 2012. It is one of the budding departments of the University. The department is striving towards the advancement of legal education through learning, teaching and diffusion of knowledge. It also aims at catering to the needs of the society by developing professional skills of those intending to make a career in Law. The objective of the department is to evolve and impart comprehensive legal education at all levels. The department offers two five year Integrated Programmes i.e. B.A.LL.B. and B.Com LL.B. courses. The department has qualified and committed faculty members. It has a well furnished library which is equipped with latest books, journals, reports and e-journals.

#### EVENTS OF THE DEPARTMENT

The department has organized a Law Fest “LEX-FESTUM” on March 15<sup>th</sup> and 16<sup>th</sup> 2015.

#### ACHIEVEMENTS OF THE STUDENTS

- Students of B.A.LL.B and B.Com LL.B won a Gold Medal in Tug of War (Women) in the inter faculty Sports Competition, 2014-15.
- Emmanuel Narayan of B.A.LL.B –V Semester secured second position (silver medal) in Shot-Put (Men) in the inter faculty Sports Competition, 2014-15.
- Students of B.A.LL.B and B.Com.LL.B have participated in the 12<sup>th</sup> National Youth Parliament 2015, organized at the University level and four of them are declared top best Youth Parliamentarians.



- Students have organized an UN Mock Session in the Department of Law during the TECH FEST 2015 in the University.
- Aayesha Anjum Khan of B.Com.LL.B VII Semester, Aditi Acharya of B.A.LL.B VII Semester and Anuja Sharma of B.A.LL.B VII Semester have participated in J. Hidaytullah National Moot Court Competition, held at Raipur on 17<sup>th</sup> to 19<sup>th</sup> of October 2014.
- Prashansa Pandey of B.Com.LL.B VII Semester presented a paper in National Seminar on Child Labour, 2015, organized by Sipath College, Bilaspur.
- Abhyunnati Singh of B.A.LL.B VII Semester, Tulika Bhaduri of B.A.LL.B VII Semester, Devesh Verma of B.A.LL.B VII Semester have participated in Kshan 10<sup>th</sup> Moot Court Competition, 2015, organised by Rasoni Law College, Nagpur on 27<sup>th</sup> February to 2<sup>nd</sup> March, 2015.
- Tulika Bhaduri of B.A.LL.B VII Semester, Smriti Shazi Mathew of B.Com. LL.B VII Semester, Devesh Verma of B.A.LL.B VII Semester, has participated in 3<sup>rd</sup> Shri Mangilal Pagariya National Moot Court Competition organized by MATS University, Raipur.
- Tulika Bhaduri of B.A.LL.B VII Semester, presented a paper entitled “Compulsory Construction of Toilets at School” in a Global Seminar on Health & Environment Law, organized by MATS University, Raipur.
- Devesh Verma of B.A.LL.B VII Semester, presented a paper entitled “Human Health and Environmental Law” in a Global Seminar on Health & Environment Law, organized by MATS University, Raipur.
- Vaibhav Kartikeya Agrawal of B.A.LL.B. VII Semester has presented a paper entitled “Tortious Liability of Government in India” in the Annual International Conference on Law and Policy 2015 organised by FLE Learning University of Cambridge, UK. This Paper is published in the e-journal and can be accessed from: [www.flelearning.co.uk](http://www.flelearning.co.uk), Law Conference (Cambridge) Series 2015.
- Shailesh Kumar Pandey of B.Com.LL.B III Semester, secured Third position in Speech Competition on the occasion of Teacher's Day, organized by the University.
- Spardha Kiran of B.A.LL.B III Semester, secured First position and received prize money of Rs. 2500 in Slogan Writing Competition, organized by the University on the National Education Day.
- Shubham Jain of B.A.LL.B III Semester, secured Second position and received prize money of Rs.2000 in the Essay Competition, organized by the University on Swami Vivekanand Jayanti.

### ACADEMIC ACTIVITIES OF FACULTY MEMBERS

Publication of Articles in Reputed Journals:

- Md. Shamshad Ansari, Assistant Professor (Ad-hoc) published research paper entitled “Emergence and Development of Public Trust Doctrine in Various Dimensions: Its Use and Control over Water Resources” in Business Forschung, An Open Access e- Journals on Business and Research, vol-2, ISSN No. - 2347-6044, December 2014.

### 2.1.4 LIFE SCIENCES

The School consists of following departments:

- Department of Anthropology and Tribal Development
- Department of Biotechnology
- Department of Botany
- Department of Forensic Sciences
- Department of Zoology





## DEPARTMENT OF ANTHROPOLOGY AND TRIBAL DEVELOPMENT

Established in the year 1989, the Department of Anthropology and Tribal Development is one of the oldest departments of the University. The establishment of the department bears a great significance in view of the fact that the State harbors a substantial tribal population with diverse cultures, and Anthropology as a science of people has a strong potential to work for the welfare and all-round development of the weaker sections of the society of the State as well as of the country. The department, since its inception, has been imparting M.A./M.Sc. course in Anthropology with specialization in Social Anthropology and M.Phil (discontinued since 2009) course in Anthropology. It started offering admission to students to Integrated Master's Programme (10 Semesters) (with exit option for B.A./B.Sc. students at the end of 3 years (Six Semesters) + M.A./M.Sc. 2 years) with effect from 2009-10 as well as to two-years' Master's Programme in Anthropology with direct entry. The Integrated Master's Programme offers courses on several aspects of Anthropology such as Social Anthropology, Biological Anthropology, Human Genetics, Human Ecology, Research Methodology, Anthropological Theories, Human Evolution and Adaptation, Medical Anthropology etc. Practical courses on Anthropometry, Serology, Human Genetics, Dermatoglyphics and Research Methodology are being offered to students pursuing B.A./B.Sc. and M.A./M.Sc. course in Anthropology. The department has maintained a departmental library consisting of more than 700 books. With the upgradation of laboratory infrastructure and recruitment of faculty members, the department now offers new specializations in Biological Anthropology and Human Genetics (Genome) and Tribal Development, in addition to the existing specialization i.e. Social Anthropology.

Programmes/Courses offered (UG, PG, Ph.D., Integrated Masters etc.):

- Integrated UG & PG
- PG
- PhD

Infrastructure: The Department is equipped with the following laboratory facilities such as anthropometric, Osteometric, Serological, Dermatoglyphic, and Molecular Genetics equipment. The department also possesses human osteological materials.

Museum: The department has an ethnographic museum containing material cultures of tribes, collection of tool types belonging to prehistoric cultures and various types of rock specimen.

Thrust Area: The department has been undertaking field studies among tribal groups of Chhattisgarh and Central India for studies on several aspects of tribal life, culture and development such as Material Culture, Social Institution, Tribal development, Tribal Health and Nutrition, Genome Diversity studies etc.



### Achievements of the Students

- Shatruhan Singh Shyam of M.Sc. IV Sem., qualified UGC-NET exam (December 2013)

### DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology was established in the year 1996 as one of the Departments under Faculty of Science (now under Faculty of Life Sciences) to impart quality education in the field of Biotechnology and to create trained Biotechnologist. Department is conducting courses of UG & PG levels including 2-year M. Sc. and 5-year Integrated Undergraduate/Postgraduate program in Biotechnology in addition to Ph.D. through Course work. Sixteen batches of the postgraduate students have passed out from the Department since its inception. Students of the department have been successful in prestigious GRE, CSIR-UGC (NET), GATE, ICMR, DBT-BET examinations. The Department has received grant from DBT under “DBT Builder Program” for upgradation of teaching and research facility. Department of Biotechnology has ranked among top 10 Biotechnology institutes in India by Biospectrum survey.

The Ph.D. program of the Department is run as per the UGC regulations. Eleven students have received their doctorate from the Department and eight students are registered in the program. Two students have joined coursework of Ph. D. as per the new UGC regulation. Alumni of this Department are presently working in different prestigious organizations of National and International repute including Institute of Immunology, University of Heidelberg, Germany, Serum Institute of India Ltd, Enterovirus Research Centre, ICMR, Roche Diagnostics etc.

The Department of Biotechnology has well developed facility for Plant and Animal Tissue culture, Microbiology and Biochemistry, Molecular Biology and Bioinformatics. The Instruments available include PCR Thermal Cycler, Gel Documentation system, walk-in cold room, CO<sub>2</sub> Incubator, Laboratory Fermenter, ELISA Reader and washer, Ultrasonicators, Fluorescent Research Microscope, Nanospectrophotometer. In addition to the above facilities, equipment at the Central Instrumentation facility under School of Life Sciences include HPLC, LC-MS/MS, RT-PCR, Chemidoc and Atomic Absorption Spectrophotometer. Recently, some important instruments such as inverted fluorescent microscope, vacuum dryers, spectrophotometer, -80 °C deep freezer, high speed cooling centrifuge and bio-safety cabinets.

The thrust area of research includes bioremediation of hydrocarbon and petroleum contaminated soil, fungal biodiversity studies for bioactive compounds, biorefinery and bioprocess based on agro and forest wastes, microbial and plant enzymes and secondary metabolites, nanotechnology, neuroscience and nephroprotection, immunology, bioinformatics and molecular biology. The course structures of the undergraduate and postgraduate programs provide emphasis on research. The four areas of biotechnology such as Microbial Biotechnology, Advanced Plant and Agriculture Biotechnology, Environmental



Biotech Class room



Biotech Lab



Biotech Library