

Internal Quality Audit Report for  
the Session 2019-20  
Academic Units

## Ancient Indian History: Internal Quality Audit Report - August 2021

<b>Strength</b>	<b>Weakness</b>
<ul style="list-style-type: none"><li>❖ Advance course for tourism attracts the stakeholders.</li><li>❖ Relevant course for the state.</li></ul>	<ul style="list-style-type: none"><li>❖ Regular teaching faculty is very low</li><li>❖ Inadequate space in the SoS and Computer facility is limited.</li></ul>
<b>Challenges</b>	<b>Opportunity</b>
<ul style="list-style-type: none"><li>❖ The infrastructure of the SoS in inadequate with limited funds from the University.</li></ul>	<ul style="list-style-type: none"><li>❖ Ample scope for popularizing the programs among the stakeholders of the state.</li></ul>
<p><b>Recommendation:</b></p> <ul style="list-style-type: none"><li>• Requirement of faculty, staff and basic facility</li><li>• On line alumni meeting and parent teacher meeting</li></ul> <p><b>Best Practice :</b></p> <ul style="list-style-type: none"><li>•Archaeological field work by the students</li></ul> <p><b>Observation</b></p> <ul style="list-style-type: none"><li>• Revised SSR report submitted.</li><li>• Evaluative report not submitted.</li><li>• Other preparations are yet to start</li></ul>	

# Anthropology: Internal Quality Audit Report - August 2021

Strength	Weakness
<ul style="list-style-type: none"><li>❖ Independent building for the SoS and good facility for tribals studies.</li><li>❖ Popular Course among the students.</li><li>❖ MoU with state forensic department</li></ul>	<ul style="list-style-type: none"><li>❖ Unorganized laboratory and Museum.</li><li>❖ Lack of funds for infrastructure development.</li><li>❖ Student placement after the course is limited</li></ul>
Challenges	Opportunity
<ul style="list-style-type: none"><li>❖ Development of State of the Art museum and laboratory.</li><li>❖ Many faculty positions lying vacant.</li><li>❖ Wi-Fi facility does not work properly</li></ul>	<ul style="list-style-type: none"><li>❖ Development of Tribal research centre</li><li>❖ To develop museum and lab for forensic studies.</li></ul>

## Recommendation:

- Online alumni and parents meetings can be organized.
- The nearby ambience to be improved.

**Best Practice :** Rigorous onsite field work by the students

**Observation:** Revised data for SSR need to be submitted soon.

Evaluative report need to be submitted soon.

Preparation for NAAC peer team visit yet to start.

# Biotechnology: Internal Quality Audit Report - August 2021

## Strength

- ❖ The Department has well qualified and dedicated faculty
- ❖ Adequate and Quality Research outputs
- ❖ Periodic updating of curriculum
- ❖ Periodic feedback of the students
- ❖ All the laboratories are as per the curriculum and are established on par with state of art technology.
- ❖ Mechanism is available for direct mentoring of students by faculty, interacting with students, and directing them to upgrade their skills.
- ❖ Proposal for establishment of BioNest Bioincubator has been submitted to DBT, New Delhi and University has approved its share on administrative expenditures.
- ❖ Proposal for establishment of Technology Business Incubator under iTBI NIDHI scheme of DST with support of other departments of University has been submitted and University has approved its share on administrative expenditures
- ❖ Efforts facilitate and promote entrepreneurship culture and innovation development are in progress. A joint proposal with involvement of other faculties for National Innovation and Startup policies is on verge of submission.
- ❖ Good Research projects from DBT, DRDO etc.
- ❖ Placement is very good

## Weakness

- ❖ Inadequate linkages with industry and community
- ❖ Inadequate industrial growth in the country
- ❖ The activities through Industry Institution Interaction Cell are to be improved. More effort is needed to increase the number of state/central government funded projects to strengthen the department.
- ❖ Soft skills and communication skills of students need to be improved.
- ❖ Excess administrative work load of the faculty,
- ❖ Need for filling Vacant faculty position has to be filled in need
- ❖ University-Industry interaction need to be strengthened
- ❖ Lack of training for technical staff

# Biotechnology: Internal Quality Audit Report - August 2021

## Challenges

- ❖ Development of advanced teaching & learning methodologies and evolution, personal interaction by developing smart classrooms and mechanism for effective evaluation.
- ❖ Lack of incentives at par with world class institutes such and the world class industries and infrastructure at par global level
- ❖ Inhibition in Students to relocate to distant places for Internship and Employment
- ❖ Under employment and low remuneration of PG students in industry
- ❖ Lack of student geographical diversity due to localized enrolment measures

## Opportunity

- ❖ Boom in industrial development and challenges in Biotechnology fields put demand for quality technical manpower
- ❖ Establishment of centres of excellence and advanced studies
- ❖ To innovate new products/processes/designs and acquire patents
- ❖ Possibility of more international and national collaborations and joint ventures
- ❖ Industry interface to promote bio-entrepreneurship-
- ❖ Scope for enhanced research work to be carried out in all related field of Biotechnology
- ❖ Enhancing Faculty strength with multidisciplinary expertise
- ❖ Possibility of becoming effective and individual entrepreneurs by enjoying the benefits and encouragement given by the management.
- ❖ More employment potential in research centers and bodies like CPRI, DRDO etc.,

# Biotechnology: Internal Quality Audit Report – August 2021

## Recommendation:

- ❖ Curriculum may be restructured to provide domain specific specialization by creating provision for more options to students for choosing electives; more electives may be offered as per faculty expertise (health care, energy and environment, bioprocess development) .Experts of relevant fields( both from industry and academic/research institution) may be invited for student interaction at the department. •
- ❖ A process facilitating active interactions/ collaborations through DBT with industry and other key institution in the public sector engaged in Biotech R & D should be initiated. •  
Workshop by industry / other institutes / DBT experts to brainstorm on challenging problems in the area
- ❖ To upgrade R&D in spearheading globally impactful work in the emerging aspects of chosen thrust areas more infrastructure be created with support from Institute/ funding agencies.
- ❖ Starting new courses in collaboration with industries and national laboratories
- ❖ Increase in networking with Indian and Foreign universities
- ❖ Enhancing of faculty & staff skills through continuing training programmes
- ❖ Encouragement of industrial training/internship among students
- ❖ Enhancing the existing laboratory facilities/resources to meet the industry requirements
- ❖ Technology-based education helps students to think beyond their notebooks and improve their learning skills. Implementation of Learning Management Software and ICT based Skill Development to enhance employability in students especially for slow learners and differently abled students

## Chemistry: Internal Quality Audit Report - August 2021

<b>Strength</b>  ❖ Very good number of research projects & publications.	<b>Weakness</b>  ❖ More consultancy required. ❖ Department journal/Magazine/newsletter required as per the strength
<b>Challenges</b>  ❖ Alumni contribution for the department.	<b>Opportunity</b>  ❖ Industry linkage required.

### **Recommendation:**

- Properly updation of documents required

• **Best Practice** : 1. Students seminar frequently organized.

2. Regularly published good research paper in standard journals

• **Observation** : Preparation of NAAC. Satisfactory but updation of documentation is required

**Any Other Specific Observation:** Work of departmental IQAC cell need to be improved.

## Comparative Religion, Philosophy & Yoga: Internal Quality Audit Report - August 2021

<p style="text-align: center;"><b>Strength</b></p> <ul style="list-style-type: none"><li>❖ Popular PG and PG Diploma programs</li><li>❖ Good job opportunity and working as self trainer</li></ul>	<p style="text-align: center;"><b>Weakness</b></p> <ul style="list-style-type: none"><li>❖ Lack of regular faculties</li><li>❖ Weak research orientation</li></ul>
<p style="text-align: center;"><b>Challenges</b></p> <ul style="list-style-type: none"><li>❖ Tremendous scope for the offered MA and PG Diploma programs on Yoga and Philosophy</li></ul>	<p style="text-align: center;"><b>Opportunity</b></p> <ul style="list-style-type: none"><li>❖ To grab yoga related global opportunity</li><li>❖ Adequate infrastructure</li><li>❖ Faculty appointments</li></ul>
<p><b>Recommendation</b></p> <p><b>Best practice</b></p> <ul style="list-style-type: none"><li>❖ Popular PG &amp; PG Diploma programs</li></ul> <p><b>Preparedness for the proposed NAAC visit</b></p> <ul style="list-style-type: none"><li>❖ Not prepared</li></ul> <p><b>Any other observation</b></p> <ul style="list-style-type: none"><li>❖ Overall ambience should be improved.</li></ul>	



# Computer Science & IT : Internal Quality Audit Report - August 2021

## Strength

- ❖ Strong faculty qualification, talented and dedicated, knowledgeable and cooperative faculty, great collaboration and good communication among faculty.
- ❖ Good student strength.
- ❖ One Copyright awarded and two patents filed in strength of department. Patents are under examination, yet to be awarded.
- ❖ Faculty uploads lectures on youtube channels to build own global classroom and to ensure that students remain in touch with studies specially during the lockdown.
- ❖ Academic infrastructure such as classrooms, tutorial rooms, seminars halls, drawing hall, computer lab, and workshop.
- ❖ The school has ambitious plans to develop research group / collaboration in mobile communications, data mining and bio-informatics

## Weakness

- ❖ The school severely lacks in adequate teaching manpower with only two regular teaching faculty and six sanctioned positions are vacant.
- ❖ Less than the required number of substantive teaching posts prompts the SoS to
- ❖ appoint Part-time and Guest faculty the members of which are migrant in nature leading to instability in the academic atmosphere and work in the concerned departments.
- ❖ The school has inadequate equipment and laboratory facilities
- ❖ State of Art advanced computational facility is needed .
- ❖ Increase collaborative research/projects among the faculty member.
- ❖ Better research publication by all faculties is required.
- ❖ Involvement of Alumni at Institute level is less.
- ❖ More effort is needed to increase the number of state/central government funded projects to strengthen the department.
- ❖ Soft skills and communication skills of students need to be improved.

## Computer Science & IT : Internal Quality Audit Report - August 2021

### Challenges

- ❖ One of the possible Threats may be that of seat reduction or closure of MCA program by AICTE because of shortage of teachers as per AICTE norms. AICTE considers contract teachers, but does not consider part time lecturer. Therefore, Contract teachers should be appointed instead of part time lecturers.
- ❖ Global recession due to corona may hamper placement opportunities for students. To come out from this challenge the desired course objectives and outcomes are to be achieved satisfactorily.
- ❖ To frame and design an effective Curriculum, Teaching learning methodologies that bridges the gap between Industry and Institution.

### Opportunity

- ❖ Opportunities to find research grants from industry and government agencies
- ❖ Tremendous opportunity to team up with other universities to produce grants
- ❖ Develop emerging program/courses such as AI , ML and mobile computing
- ❖ Scope for enhanced research work to be carried out in all related field of Computer Science

# Computer Science & IT : Internal Quality Audit Report – August 2021

## **Recommendation:**

❖The school should strive to develop R & D capabilities in the emerging area of Computer/Cyber Security, Architectures, Compiler Optimization, and Embedded Systems, Artificial Intelligence, Machine learning, Data Mining, Databases, and Geographical Information Systems, Networks, Distributed Systems, and Security Graphics and Immersive Computing.

**Best Practice :** Regular Seminars/Webinars on latest trends in Computer Science as Cyber security, IOT etc

❖Faculty members have developed learning management system (LMS) for teaching, tracking student records, presentation of documents, reporting and delivery of course materials, interactive discussion, class tests to the students for not only fully online courses but a hybrid, blended and flipped classrooms.

❖Computer Science faculty have started ICT based teacher training program for other departments of the University so that they improve their teaching techniques and support students in their learning paths is paramount to edtech success.

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# Economics : Internal Quality Audit Report - August 2021

<b>Strength</b>	<b>Weakness</b>
<ul style="list-style-type: none"><li>❖ Adequate number of students</li><li>❖ Illustrious faculty, student-centered teaching</li><li>❖ Good educational environment.</li><li>❖ Teachers firmly believe in lifelong learning</li><li>❖ Integration of teaching and research</li></ul>	<ul style="list-style-type: none"><li>❖ Lack of adequate infrastructure</li><li>❖ Furniture for smart classroom</li><li>❖ Inadequate financial assistance for purchasing statistical programmes</li><li>❖ Lack of advanced programmes</li></ul>
<ul style="list-style-type: none"><li>❖ Investment in e-learning and starting of Massive Online Open Course (MOOC's)</li><li>❖ Alumni resources need to be tapped as an opportunity for generating endowments etc.</li></ul>	<ul style="list-style-type: none"><li>❖ Proximity to industrial, trade and research centres</li><li>❖ Departmental Placement Cell , Carrier Counseling Cell Members of the staff are continually challenged to produce professional quality work</li></ul>

## **Recommendation: PREPAREDNESS GOOD**

- ❖ Introduce Value added course based on local need (E-banking).
- ❖ Familiarize students with research approach of economics with local problems.
- ❖ Implementation of Learning Management Software and ICT based Skill Development to enhance employability in students especially for slow learners and differently abled students

## Electronics & Photonics : Internal Quality Audit Report - August 2021

<p style="text-align: center;"><b>Strength</b></p> <ul style="list-style-type: none"><li>❖ Although faculties are limited but output is satisfactory.</li><li>❖ Good infrastructure for PG and research level.</li></ul>	<p style="text-align: center;"><b>Weakness</b></p> <ul style="list-style-type: none"><li>❖ Currently no research project running in the department.</li><li>❖ Lack of industry interface.</li></ul>
<p style="text-align: center;"><b>Challenges</b></p> <ul style="list-style-type: none"><li>❖ Creating job oppurtunies for students.</li><li>❖ Mobilization of resources through FIST/DRS/SAP Schemes.</li></ul>	<p style="text-align: center;"><b>Opportunity</b></p> <ul style="list-style-type: none"><li>❖ Good oppurtunities for industry academic linkage.</li></ul>
<p><b>Recommendation:</b> 1. Alumni meet and parent teacher’s meet should be organized regularly.</p> <p>2. Try to get research projects from different funding agencies.</p> <ul style="list-style-type: none"><li>•<b>Best Practice</b> : 1. Regularly updation of documents of all events. 2. Students seminar frequently organized</li><li>•<b>Observation</b> : Well prepared for the proposed NAAC visit.</li></ul>	

## Environmental Science: Internal Quality Audit Report - August 2021

<p style="text-align: center;"><b>Strength</b></p> <ul style="list-style-type: none"><li>❖ Well number of student intake and research fellowship.</li><li>❖ Good publication.</li></ul>	<p style="text-align: center;"><b>Weakness</b></p> <ul style="list-style-type: none"><li>❖ No regular faculty</li><li>❖ Less lab equipment.</li></ul>
<p style="text-align: center;"><b>Challenges</b></p> <ul style="list-style-type: none"><li>❖ Research project required.</li></ul>	<p style="text-align: center;"><b>Opportunity</b></p> <ul style="list-style-type: none"><li>❖ Scope of inter institutional collaboration.</li></ul>
<p><b>Recommendation:</b></p> <ul style="list-style-type: none"><li>• Need of research projects, collaboration with other institutes, association and aware with community</li><li>• <b>Best Practice</b> : 1. Regular student seminar organized</li><li>• <b>Observation</b> : Well prepared for the proposed NAAC visit</li><li>• <b>Any Other Specific Observation:</b> No Regular faculties.</li></ul>	

## Geography : Internal Quality Audit Report - August 2021

### Strength

- ❖ Highly qualified teachers and enthusiastic learners.
- ❖ Faculty is Research oriented
- ❖ Well-equipped seminar halls with advanced sound systems and projector facilities that support proper training and lectures.
- ❖ SoS is well equipped with state-of-the-art computing facilities such as personal computers and workstations with modern peripherals and softwares as GIS, 21 Century, RKGIS 10.22. It also possesses laboratories for ground truth equipment and technology understanding.
- ❖ Less research projects
- ❖ The courses are taught in classroom environments with the use of modern teaching methods and tools, and also include multimedia tutorials for self - study. Practical are given in the laboratories and skill development environments
- ❖ Department has teaching student advance syllabus viz. GIS, Remote Sensing, Computer application in Geography etc.
- ❖ Commendable track record in national and international publications
- ❖ Excellent infrastructural facilities

### Weakness

- ❖ Paucity of funds and severe staff crunch. 3 Associate Professor & 1 Assistant Professor sanctioned posts are vacant.
- ❖ Students from vernacular background
- ❖ Shortage of skilled technical supporting staff
- ❖ No further faculty to look after Remote Sensing and GIS program after retirement in August of current incharge of program
- ❖ No qualified Cartographer
- ❖ Inadequate furniture in Remote sensing laboratory
- ❖ Paucity of sufficient lab safety equipment, such as safety showers and fire distinguishers

# Geography : Internal Quality Audit Report - August 2021

## Challenges

- ❖ To bridge the gap between Slow Learners and Advanced Learners
- ❖ Creating awareness about Digital learning
- ❖ Competitive world is the biggest challenge. Interdisciplinary courses are becoming more popular among students.
- ❖ Balancing the need to serve the requirements of the urban and nearby rural community with the need to train students to compete nationally and globally
- ❖ First generation learners often hailing from impoverished backgrounds find it difficult to cope with the syllabus. The college does its utmost to facilitate socio-economic amelioration as well as educational succor to these students by arranging financial endowments and remedial classes so that they may achieve the basic academic standard required of them.
- ❖ Empowering our SC/ST and women students to thrive in a more globalized and competitive environment
- ❖ Revenue generation remote sensing courses
- ❖ Development cost-effective soil testing laboratory that can be used by farmers to boost crop productivity through balanced use of fertilizers.

## Opportunity

- ❖ GIS & Remote sensing short term and long-term courses,
- ❖ Many opportunities for teachers to design learning strategies in choice-based credit system, to develop participatory learning modules and many more to make learning a joyful experience.
- ❖ The staff members with their various connections possess the potential to provide many opportunities for academic and other collaborations and partnerships from which the institution may stand to gain.
- ❖ Empowering our SC/ST and women students to thrive in a more globalized and competitive environment
- ❖ Job opportunities through competitive exams
- ❖ Opportunities in various fields (Teachers, Researchers, Project Fellow, Social Worker, GIS, Map Making Etc )



## Geology & WRM: Internal Quality Audit Report - August 2021

<p style="text-align: center;"><b>Strength</b></p> <p>❖ Good instrumental facilities and infrastructure facilities available</p>	<p style="text-align: center;"><b>Weakness</b></p> <p>❖ Less publication and research projects.</p>
<p style="text-align: center;"><b>Challenges</b></p> <p>❖ Motivation of students for research.</p>	<p style="text-align: center;"><b>Opportunity</b></p> <p>❖ Use of available resources for consultancy.</p>
<p><b>Recommendation:</b></p> <ul style="list-style-type: none"><li>• Need to improve research in the subject.</li><li>• Alumni meet should be organized frequently .</li><li>• <b>Best Practice</b> : 1. Collection of various geological specimens. 2. Consultancy.</li><li>• <b>Observation</b> : Well prepared for the proposed NAAC Visit.</li><li>• <b>Any Other Specific Observation:</b> Lack of collaboration and MoU with the institutes.</li></ul>	

## History: Internal Quality Audit Report - August 2021

<p style="text-align: center;"><b>Strength</b></p> <ul style="list-style-type: none"><li>❖ Field visits and visits to achieves on regular basis.</li><li>❖ Main seats of the chhattisgarh itihash parishad</li></ul>	<p style="text-align: center;"><b>Weakness</b></p> <ul style="list-style-type: none"><li>❖Lack of adequate numbers of faculty members.</li><li>❖ Limited job opportunities</li></ul>
<p style="text-align: center;"><b>Challenges</b></p> <ul style="list-style-type: none"><li>❖Funds and financial support for furnishing .</li></ul>	<p style="text-align: center;"><b>Opportunity</b></p> <ul style="list-style-type: none"><li>❖Scope for interdisciplinary research.</li><li>❖ syllabus interdisciplinary in nature and based on gender equality.</li></ul>
<p><b>Recommendation:</b></p> <ul style="list-style-type: none"><li>• MoU, Research projects, publication and ICT facilities should be improved.</li><li>•<b>Best Practice</b> : 1. Organized national seminar frequently. 2. Well documentation of all historical events.</li><li>•<b>Observation</b> : Well prepared for the proposed NAAC Visit.</li><li>•<b>Any Other Specific Observation:</b> Consultancy, alumni registration, collaboration of other institutes are required.</li></ul>	

## Law: Internal Quality Audit Report - August 2021

### Strength

- ❖ The students of the department are selected regularly in the national and state-level competitive examinations.
- ❖ It is worth mentioning that Assistant Professor, Dr Priya Rao is invited as a resource person in various academic institutions and non-academic institutions such as Police Academy and PSC Training Centres.
- ❖ Similarly, Assistant Professor, Dr Venudhar Routiya is a distinguished face in academics on YouTube and has more than two lakh subscriber-base.

### Weakness

- ❖ A lack of space and infrastructure is a major impediment to starting new courses and research activities.
- ❖ Lack of teaching and support staff

### Challenges

- ❖ To achieve academic excellence for making the institute of a global repute.
- ❖ The new learning of the age requires an improved proficiency in soft skills among students.

### Opportunity

- ❖ Creating more space within the campus is one of the challenges of urgency.

### Recommendation:

#### Best practice

- ❖ The school is focused on achieving excellence in teaching and practical exposure to translate into the students' selections in various competitive exams.

#### Preparedness for the proposed NAAC visit

- ❖ Looks prepared. However, insufficient infra and faculty are the limiting factors.

#### Any other observation

- ❖ More space is required to accommodate the student strength.

# Library & Information Science: Internal Quality Audit Report – August 2021

<p style="text-align: center;"><b>Strength</b></p> <ul style="list-style-type: none"><li>❖ Closely associated with the university-central library</li><li>❖ 100% placements</li><li>❖ Continuous evaluation of the students</li><li>❖ Self-evaluation through the feedback system</li></ul>	<p style="text-align: center;"><b>Weakness</b></p> <ul style="list-style-type: none"><li>❖ Lack of IT staff</li><li>❖ Research publications mainly in non-indexed journals</li></ul>
<p style="text-align: center;"><b>Challenges</b></p> <ul style="list-style-type: none"><li>❖ Pass-outs have immense job opportunities</li></ul>	<p style="text-align: center;"><b>Opportunity</b></p> <ul style="list-style-type: none"><li>❖ To cope up with ever-changing technology</li></ul>
<p><b>Recommendation</b></p> <p><b>Best practice</b></p> <ul style="list-style-type: none"><li>❖ The school is in close association with the university library, the biggest in the state in collection and readers. It provides enormous practical exposure to the students.</li></ul> <p><b>Preparedness for the proposed NAAC visit</b></p> <p>Looks prepared.</p> <p><b>Any other observation</b></p> <p>More classrooms are required.</p>	

## Life Science: Internal Quality Audit Report - August 2021

<p style="text-align: center;"><b>Strength</b></p> <ul style="list-style-type: none"><li>❖ Research publications in reputed journals</li><li>❖ The school offers three Science PG programs</li><li>❖ Extramural research projects</li><li>❖ A DST-FIST, UGC DRS-SAP, and FYP supported department</li></ul>	<p style="text-align: center;"><b>Weakness</b></p> <ul style="list-style-type: none"><li>❖ Lack of industrial linkages</li><li>❖ No patents till date</li></ul>
<p style="text-align: center;"><b>Challenges</b></p> <ul style="list-style-type: none"><li>❖ Scope for research on tribes</li><li>❖ Collaborative research with the nearby institutes- Agriculture, Medical and Veterinary universities and AIIMS</li><li>❖ Consultancy opportunities in the diverse field of Life Sciences</li></ul>	<p style="text-align: center;"><b>Opportunity</b></p> <ul style="list-style-type: none"><li>❖ Fellowship provision for all the PG students</li><li>❖ Industrial linkages/Consultancy/Patents</li></ul>
<p><b>Recommendation:</b></p> <p><b>Best practice</b></p> <p>This school holds a strong R&amp;D wing that attracts extramural research projects, DST-FIST, UGC DRS-SAP and FYP supports.</p> <p><b>Preparedness for the proposed NAAC visit</b></p> <p>Prepared.</p>	

## Literature & Languages Internal Quality Audit Report - August 2021

<p><b>Strength</b></p> <ul style="list-style-type: none"> <li>❖ Research publications in standard journals.</li> <li>❖ Seminars and symposiums are frequently organized.</li> <li>❖ Advanced ICT facilities are available</li> </ul>	<p><b>Weakness</b></p> <ul style="list-style-type: none"> <li>❖ Lack of regular faculties according to running programmes.</li> <li>❖ Insufficient classrooms</li> </ul>
<p><b>Challenges</b></p> <ul style="list-style-type: none"> <li>❖ publishing quality research papers &amp; literatures.</li> <li>❖ preparedness for students for competitive exams of CGPSC</li> </ul>	<p><b>Opportunity</b></p> <ul style="list-style-type: none"> <li>❖ To work in regional and tribal languages.</li> <li>❖ Bridge course for PG. Students</li> </ul>
<p><b>Recommendation:</b></p> <ul style="list-style-type: none"> <li>• Need the appointment of regular faculties and staff</li> <li>• increase the infrastructure facilities according to running programmes.</li> <li>• <b>Best Practice</b> : 1. language lab for all students 2. Frequently seminars/Webinars organized on current topics</li> <li>• <b>Observation</b> : Well prepared for proposed NAAC visit</li> </ul>	

# Institute of Management: Internal Quality Audit Report - August 2021

<p style="text-align: center;"><b>Strength</b></p> <p>❖ Well publication and served recourse person in different academic events.</p>	<p style="text-align: center;"><b>Weakness</b></p> <p>❖ Less numbers of students research fellowship. ❖ Training progmmes attended by faculties are nil.</p>
<p style="text-align: center;"><b>Challenges</b></p> <p>❖ Grants received from funding agencies. ❖ Departmental news letter</p>	<p style="text-align: center;"><b>Opportunity</b></p> <p>❖ Scope for campus selection and collaboration with different professional instituted.</p>
<p><b>Recommendation:</b></p> <ul style="list-style-type: none"><li>• Out reach and MoUs required.</li><li>• Coordination of faculties.</li><li>• <b>Best Practice</b> : Industry academic Linkage</li><li>• <b>Observation</b> : Preparation need to be improved</li><li>• <b>Any Other Specific Observation:</b> Research projects Nil.</li><li>• Membership of professional bodies of faculties is less.</li></ul>	

## Mathematics : Internal Quality Audit Report - August 2021

<p style="text-align: center;"><b>Strength</b></p> <ul style="list-style-type: none"><li>❖ The course is in high demand.</li><li>❖ Only UTD centre in the state Universities. Popular course in the state.</li><li>❖ DAE grant recipient department for Books/Journals.</li></ul>	<p style="text-align: center;"><b>Weakness</b></p> <ul style="list-style-type: none"><li>❖ Shortage of Regular teaching faculty.</li><li>❖ Lack of space in the building</li></ul>
<p style="text-align: center;"><b>Challenges</b></p> <ul style="list-style-type: none"><li>❖ Faculty strength.</li><li>❖ Space in the department.</li><li>❖ Wash rooms not appropriate and hygienic.</li><li>❖ Termite mounds all around the building</li><li>❖ Wi-Fi is not working</li></ul>	<p style="text-align: center;"><b>Opportunity</b></p> <ul style="list-style-type: none"><li>❖ To strengthen research facility and projects in the department.</li><li>❖ MoU with national institutes can be explored.</li></ul>
<p><b>Recommendation:</b></p> <ul style="list-style-type: none"><li>• Online alumni and Parents meetings can be organized.</li></ul> <p><b>•Observation :</b></p> <ul style="list-style-type: none"><li>• Revised SSR report submitted.</li><li>• Evaluative report submitted.</li><li>• Other preparations are yet to start.</li></ul>	



# University Institute of Pharmacy: Internal Quality Audit Report - August 2021

<p style="text-align: center;"><b>Strength</b></p> <ul style="list-style-type: none"><li>❖ Impressive h-index of the department.</li><li>❖ Listed in good NIRF ranking</li></ul>	<p style="text-align: center;"><b>Weakness</b></p> <ul style="list-style-type: none"><li>❖ Lack of supporting staff.</li><li>❖ Lack of internet facilities.</li><li>❖ No smart board for P.G. Classes.</li></ul>
<p style="text-align: center;"><b>Challenges</b></p> <ul style="list-style-type: none"><li>❖ International research collaboration.</li></ul>	<p style="text-align: center;"><b>Opportunity</b></p> <ul style="list-style-type: none"><li>❖ Patent filing, collaboration with industry and research organization and community services.</li></ul>
<p><b>Recommendation:</b></p> <ul style="list-style-type: none"><li>• Collaboration with other institutes and MoUs required.</li><li>• <b>Best Practice</b> : 1. Published research in quality journals 2. Regular seminars by the students</li><li>• <b>Observation</b> : Need to be improved.</li><li>• <b>Any Other Specific Observation:</b> Good infrastructural facilities</li></ul>	

# Physical Education: Internal Quality Audit Report - August 2021

## Strength

- ❖ Curriculum and resources which are a bench mark
- ❖ Admissions through entrance
- ❖ Illustrious faculty, student-centered teaching
- ❖ Effective tie-ups with government departments, NGO's
- ❖ Strong alumni base for employment generation.
- ❖ Some international collaboration
- ❖ Wide range of extension, and extra-curricular activities

## Weakness

- ❖ Inadequate ICT facilities / No ICT lab
- ❖ Inadequate teacher: student ratio
- ❖ Limited research projects
- ❖ Limited Fellowship for Ph.D. students.

## Challenges

- ❖ Collaborations: Major National and International Universities Development of Computer Laboratory
- ❖ Development of Gym
- ❖ Transformation as Centre of Excellence in Physical Education
- ❖ Collaboration with Government agencies SAI for creating Establishment of Human Performance lab
- ❖ Explore more International Exposures for the staff

## Opportunity

- ❖ Funding for students who seek global exposure.
- ❖ More research grants from external agencies.
- ❖ Innovations in curriculum and teaching pedagogy
- ❖ Add on Courses and Certification in the niche areas
- ❖ Programs for attracting sports talent

## Recommendation:

- ❖ The school should identify the talented sports persons in the region and develop them.
- ❖ Development of Computer lab, Human Performance lab and Gymnasium facilities
- ❖ Technology-based education helps students to think beyond their notebooks and improve their learning skills.
- ❖ Best Practice : Digital documentation, Faculty members worked as essential health professional
- ❖ Special emphasis on YOGA and Mental Health

# Physics & Astrophysics Internal Quality Audit Report - August 2021

## Strength

- ❖ Qualified and highly credentialed faculty and staff
- ❖ The entire basic/necessary infrastructure for advanced level research in the field of material science and Astronomy and Astrophysics exists.
- ❖ Well established Centre for Nanoscience and Nano technology and Centre for mega projects in Astronomy.
- ❖ High research publication in Scopus and number of Ph.D produced is highly satisfactory
- ❖ Good equipments in laboratories and other facilities for PG students.
- ❖ Equal emphasis both on theory and experiment
- ❖ The courses are taught in classroom environments with the use of modern teaching methods and tools, and also include multimedia tutorials for self - study. Practical are given in the laboratories and skill development environments
- ❖ Acceptance of students at national and international levels
- ❖ Good results at University exam, NET /SET, CGPSC Assistant Professor and other exams.
- ❖ Good diversity in experiences
- ❖ New faculty active in research, publications and grants.
- ❖ Number of inter institutional MoUs exist viz MoU with ARIES Nainital.

## Weakness

- ❖ The activities for Academic Industrial linkage and consultancy are to be improved.
- ❖ More effort is needed to increase the number of state/central government funded projects to strengthen the department.
- ❖ Inadequate furniture in Seminar Hall and classrooms.
- ❖ Soft skills and communication skills of students need to be improved.
- ❖ The consciousness and association of the alumni of the department to be rejuvenated and strengthened.
- ❖ Research funding and support to be increased
- ❖ Bringing research scholars' remunerations and benefits at par with other National institutes should help.
- ❖ Limited recurring and non-recurring budget for development of department.

# Physics & Astrophysics Internal Quality Audit Report - August 2021

## Challenges

- ❖ Increase in the number of students without largescale increase in infrastructure is another point of concern in a globalized environment, comparison with top places in the world is mandatory and unless a holistic approach to bring recruitment, research, teaching and other facilities at par with them is considered , it may fall behind further.
- ❖ Increase awareness for physics as an integral part of future education
- ❖ Creation of a vibrant academic atmosphere in the department with the help of reputed and experienced teachers.
- ❖ To prepare our students for IIT, Central universities, SET, NET, GATE etc.
- ❖ To orient students for basic research in the subject.

## Opportunity

- ❖ To increase high scientific temper among students.
- ❖ The research outputs need to be in the form of deliverables and should be commercialized for the benefit of society.
- ❖ To link the curricula and teaching learning process with need of industries.
- ❖ Motivating students to take a project for the better experimental research.
- ❖ Motivating students to take jobs in industry, defense research laboratories, MPSC, UPSC and academic institutes.
- ❖ Scope for enhanced research work to be carried out in all related field of Physics.

# Physics & Astrophysics Internal Quality Audit Report - August 2021

## Recommendation:

- ❖ School of Studies in Physics should develop the following centres:
- ❖ University Science Instrumentation Centre which is a central facility and is attached to the Department of Physics must in fact house a world-class instrumentation facility to support research and development in the above centres and other Departments of the University.
- ❖ The Department of Physics should focus on physics of commonly found local materials and technologies utilized by the tribal people. These include herbs and medicinal plants, bamboo and other pulp materials (for building and biomass applications).
- ❖ The primitive USIC should be revitalized as a university level Sophisticated Analytical Facility for teaching and research and also a testing facility for instructions and industries in the State of Chattisgarh.
- ❖ Technology-based education helps students to think beyond their notebooks and improve their learning skills. Implementation of Learning Management Software and ICT based Skill Development to enhance employability in students especially for slow learners and differently abled students
  
- ❖ **Best Practice** : Robust mentoring and parent teacher program.
- ❖ *As Astronomy is a fascinating subject with gazing at the sky is beginning of any science experiment, department organizes on regular basis telescope demonstration workshops to popularize science among both teachers and students of urban and rural areas watching the night sky, the moon and its craters, the rings of Saturn, the faces of Venus and also develop scientific attitude among the people to eradicate superstitions. . Organized in collaboration telescope-making workshop for school students.*
- ❖ Organised four rounds of mock interviews for Chhattisgarh Public Service Commission's Assistant Professor examination by current and former eminent faculties focused on refining candidates' approach, attitude and aptitude to excel in PSC interview along with knowledge aspects and biodata. The results were quite encouraging with selection of 37 students of the department.
- ❖ Faculty uploads lectures on youtube channels to build own global classroom and to ensure that students remain in touch with studies specially during the lockdown.

# Psychology : Internal Quality Audit Report - August 2021

## Strength

- ❖ A team of professionally qualified faculty members
- ❖ Faculty provides free Psychological counselling
- Student centric functioning with mentoring, counseling Vocational course M.Phil. Clinical Psychology in final stage of approval at Rehabilitation Council of India.

## Weakness

- ❖ Lack of well-furnished Human Skills Lab.
- ❖ e lack of space
- ❖ Lack funds, infrastructure & faculty members
- ❖ Poor maintenance of office buildings and toilets.
- ❖ Lack of adequate Testing and experimental Labs.
- ❖ Lack of Teaching Learning Aids.

## Challenges

- ❖ With changing market trends there are ample opportunities to start new degree certificate, diploma and other programs particularly towards vocationalization to make students employable.
- ❖ Umbrella Counselling center for providing personal, Vocational and Carrier Counselling to students.
- ❖ There are opportunities waiting for starting special programs for in-service learners

## Opportunity

- ❖ Scope of development of research tools such as tests and questionnaire on different psychological and social issues.
- ❖ Students can utilize their knowledge for benefit of society.
- ❖ Psychological assessment may be developed if financial support is extended by University.

## Recommendation: GOOD

School still lacks in sufficient infrastructure.

Human Skill labs, Testing and experimental labs and departmental library.

The research and development activities in the department needs to be strengthened

# Regional Studies & Research: Internal Quality Audit Report - August 2021

## Strength

- ❖ Running non-traditional and specialized course. Important for panchayati raj schemes and rural development programs.
- ❖ Course directly related to government plan such as MANREGA, NGOs etc
- ❖ Social entrepreneurship can be developed.
- ❖ MoU with CGSIRD, Raipur to run the certificate course.

## Weakness

- ❖ No regular faculty available to run the course
- ❖ Lack of space and basic facilities.
- ❖ Room space is inadequate.
- ❖ No facility for differently abled students

## Challenges

- ❖ Budget is low for social development work.
- ❖ No Wi-Fi and smart board for classes.
- ❖ Three offices are housed in a small building

## Opportunity

- ❖ More training activities can be organized.
- ❖ Research facilities can be developed.

## Recommendation:

- ❖ Safe drinking water and fire extinguisher.
- ❖ Wash room need urgent repair
- ❖ Girls common room and other facilities to be developed.

**Best Practice:** Field training activities for the Students

# Sociology & Social work : Internal Quality Audit Report - August 2021

## Strength

- ❖ Faculty members are occupying prestigious positions in various committees of Regional and National
- ❖ Student feedback analyzed and used
- ❖ Admissions are held through entrance examinations Optimum utilization of resources
- ❖ Teaching aids for ICT enabled teaching

## Weakness

- ❖ Shortage of space & Infrastructure
- ❖ Inadequate financial assistance
- ❖ No separate Departmental Library.
- ❖ Moderate Placement ratio.
- ❖ lacks in revenue generation.
- ❖ Limited number of research projects.

## Challenges

- ❖ To development of the infrastructural facilities
- ❖ There is a demand of market oriented 'Courses
- ❖ Keeping pace with the rapid changes in higher education

## Opportunity

- ❖ The scope of sociology is very wide
- ❖ Fair opportunities for teachers to conduct high level research work.
- ❖ opportunities for various projects on different issues The department is capable to produce efficient researchers in social science.

## Recommendation: Preparedness: Good

- ❖ More emphasis should be given on projects related to population studies, social work
- ❖ Funding , The faculty should promote Learning Management software
- ❖ Implementation of Learning Management Software and ICT based Skill
- ❖ Development to enhance employability in students



## Statistics: Internal Quality Audit Report - August 2021

<p style="text-align: center;"><b>Strength</b></p> <p>❖ Specific and popular course for data management</p>	<p style="text-align: center;"><b>Weakness</b></p> <p>❖ Only one faculty in the department. ❖ facilities in the department are inadequate</p>
<p style="text-align: center;"><b>Challenges</b></p> <p>❖ Teaching facility required ❖ Wi-Fi facility poor. ❖ Computer lab facility very old.</p>	<p style="text-align: center;"><b>Opportunity</b></p> <p>❖ To promote data science program. ❖ To strengthen research facility and projects in the department. ❖ Interdisciplinary activities can be explored.</p>
<p><b>Recommendation:</b></p> <ul style="list-style-type: none"><li>• Online Alumni and Parents meetings can be organized.</li><li>• Ambience of the building and the department.</li></ul>	

## Teacher Education : Internal Quality Audit Report - August 2021

<p style="text-align: center;"><b>Strength</b></p> <ul style="list-style-type: none"><li>❖ Good infrastructure for UG and PG program</li><li>❖ NCTE approved course</li><li>❖ Biometric attendance and CCTV coverage of the building</li></ul>	<p style="text-align: center;"><b>Weakness</b></p> <ul style="list-style-type: none"><li>❖ Lack of regular Director, teaching faculty since inception of the department.</li></ul>
<p style="text-align: center;"><b>Challenges</b></p> <ul style="list-style-type: none"><li>❖ Running program without regular teaching faculty.</li><li>❖ Wi-Fi facility does not work properly.</li></ul>	<p style="text-align: center;"><b>Opportunity</b></p> <ul style="list-style-type: none"><li>❖ To promote online courses.</li><li>❖ Develop research facility for the students.</li></ul>

### **Recommendation:**

- Online teachers parents meetings.
- Improvement of teaching quality as per NCTE guideline.

**Best Practice:** A school closer to University adopted for teaching work and other support

Observation :

Revised SSR is ready for submission.

Evaluative report is ready for submission.

Preparations are yet to start for NAAC visit.

# Centre for women's studies: Internal Quality Audit Report - August 2021

## Strength

- ❖ It is the only centre on women studies in the Chhattisgarh state.
- ❖ All the women faculties of the university are a member of the CWS.
- ❖ We collaborate with various international, national, and state agencies like UNESCO Chair, State Planning Commission, PRIA Organization, Oxfam India, State Commission for Women, One Stop Centre and AIIMS.
- ❖ We have completed various research projects with ICSSR, CGCOST and State Planning Commission, etc.
- ❖ In K4C (Knowledge for Change Consortium) (UNESCO Chair) Centre for Women's Studies works as Sangwari CBPR Hub focusing on issues related to UN, SDGs 5 (Gender issues).
- ❖ Scope for interdisciplinary research

## Weakness

- ❖ Lack of Infrastructure, i.e., classroom, library, seminar hall, office, etc.
- ❖ No regular faculty in the centre.
- ❖ Academic bodies are not formed.

## Challenges

- ❖ The Members of CWS get the platform to work with various other departments of the university.
- ❖ We got the opportunities to work on various projects funded by ICSSR, SSHRC Bridging Knowledge Cultures Partnership Development Grant, National Women Commission etc.
- ❖ Government agencies and NGOs are willing to work with the centre.
- ❖ The centre published research papers in Scopus and UGC-listed journals.

## Opportunity

- ❖ To motivate women faculties to participate in the CWS activities
- ❖ Getting concurrence from the State Government for the appointment of regular faculty
- ❖ To upgrade the centre as a School of Studies

## Centre for women's studies: Internal Quality Audit Report – August 2021

### **Recommendation:**

#### **Mention best practices**

- ❖ A certificate course on Community Based Participatory Research (CBPR) has been started from the session 2018-19
- ❖ Gender equality is being promoted through various programs.
- ❖ Safety audit of the campus is being done.
- ❖ University is working with UNESCO Chair for community-based participatory research through the centre.
- ❖ CBPR has been added implemented as an elective subject in Choice Based Credit System (CBCS) offered by the centre for various PG programs, and Ph.D. course work.

#### **Preparedness of the school for the proposed NAAC visit**

- ❖ Looks prepared. However, infrastructure is lacking.

# Renewable Energy Technology: Internal Quality Audit Report - August 2021

## Strength

- ❖ Number of training programs and extension activities on Renewable Energy for providing training and energy audit-related activities to school and college students.
- ❖ MoUs with Skill Councils and Renewable Energy agencies
- ❖ Regular training programmers, Workshops, Conferences, Competitions, Seminars, Talks on Renewable Energy
- ❖ Placement of pass outs in industries
- ❖ Energy Audit of different Hostels and Departments by students under the guidance of Tata Energy
- ❖ Organized different activities for environment protection and energy conservation in the university campus

## Weakness

- ❖ No regular full-time faculty and Lab Staff
- ❖ No separate washrooms/toilets
- ❖ Insufficient infrastructure and fund allocation
- ❖ No technical staff
- ❖ Deficiency of latest equipment and software
- ❖ Lack of skilled support staff
- ❖ No infrastructure to start UGC approved Postgraduate Diploma on Renewable Energy Technology & Management and AICTE approved a three-year technical diploma on Renewable Energy.
- ❖ No separate Board of Studies
- ❖ No smart classroom
- ❖ Number of volumes and journals in the University library need to be increased
- ❖ First generation learners face two major problems - English language and poor knowledge base. These are the major constraints in teaching.

# Renewable Energy Technology: Internal Quality Audit Report – August 2021

## Challenges

- ❖ To develop Research and educational laboratories of international standards
- ❖ Collaboration with International Institutes/ Universities/ R&D organizations
- ❖ Set-up laboratory for PG Diploma and Technical Diploma programme
- ❖ Increasing student-teacher ratio
- ❖ Increasing possibilities for partnerships, networking and collaborations with the setting up of the National Centre of Excellence in Renewable Energy

## Opportunity

- ❖ Increasing possibilities for partnerships, networking and collaborations with the setting up of the National Centre of Excellence in Renewable Energy
- ❖ Increased opportunities to develop and establish new skill programmes to meet the new and growing demands of society on Renewable Energy

## Recommendation:

### Best practices followed by the School

- ❖ Contribution in the National Missions of Climate Change through exemplary practices of renewable energy and energy conservation through training programs to CSPDCL utility officers to school and college students
- ❖ Promotion and implementation of renewable energy technologies for sustainable development through workshops for School & College students
- ❖ Robust mentor-mentee activities

### Preparedness of the school for the proposed NAAC visit

Prepared

## Centre for Basic Science : Internal Quality Audit Report - August 2021

<p style="text-align: center;"><b>Strength</b></p> <ul style="list-style-type: none"><li>❖ Five year integrated masters program.</li><li>❖ Admission through entrance test.</li><li>❖ Popular course with advance curriculum with monthly fellowship to students.</li><li>❖ Good publications by the students.</li></ul>	<p style="text-align: center;"><b>Weakness</b></p> <ul style="list-style-type: none"><li>❖ Regular teaching faculties are limited</li><li>❖ No technical and laboratory staff.</li></ul>
<p style="text-align: center;"><b>Challenges</b></p> <ul style="list-style-type: none"><li>❖ Research centre approval pending</li></ul>	<p style="text-align: center;"><b>Opportunity</b></p> <ul style="list-style-type: none"><li>❖ To promote faculty for research projects and grants.</li><li>❖ MoU with national and international organizations.</li></ul>

### **Recommendation:**

- Requirement of lift and networking facility.
- The campus of the department is not presentable.
- Online alumni and parent teacher meeting.

**Best Practice:** Student motivation for summer research internship for early research exposure.

Annual magazine 'Jarai' by the students.

### **Observation:**

Revised SSR report not submitted

Evaluative report submitted

Other preparations are yet to start

## Library: Internal Quality Audit Report – August 2021

### Strength

- ❖ The biggest library in the state in terms of collection, and users of Higher Education
- ❖ An automated library with plenty of e-resources
- ❖ A pleasant atmosphere for reading
- ❖ Adequate facility for differently-abled readers

### Weakness

- ❖ Lack of IT professional staff as all library operations are Information technology-dependent
- ❖ Shortage of the supporting staff
- ❖ Lack of space to cater for the ever-expanding collection and readers

### Challenges

- ❖ The library can be the apex library of the state and facilitate resource sharing, extending technical services and provide training to library professionals

### Opportunity

- ❖ To cope up with ever-changing technology
- ❖ Motivate the users to use academically valuable e-resources
- ❖ To keep staff updated for better serve

### Recommendation: Best practice

- ❖ The largest library in the state is various e-resources enabled that served the students, teachers, and scholars significantly during the present pandemic.

### Preparedness for the proposed NAAC visit

Looks prepared.

### Any other observation

Overall ambience should be improved to attract students and other readers.