

# Central University of Punjab

## INTERNAL QUALITY ASSURANCE CELL

### Internal Academic and Research Audit Report 2022

Internal academic and research audit of 31 departments was conducted on 04-10<sup>th</sup> May, 2022 as per the schedule (Annexure-I) and a structures criteria was followed (Annexure II). These departments were grouped into various sections with following were the internal experts of the Committee:

1. Prof. Ramakrishna Wusirika, Dean Incharge Academics
2. Prof. Monisha Dhiman, Director, IQAC
3. Prof. V. K. Garg, Dean Students Welfare
4. Prof. Anjana Munshi, Director, R & D Cell
5. Prof. P. K. Mishra, Finance Officer (O)
6. Prof. Tarun Arora, Dean, School of Legal Studies
7. Prof. Sanjeev Kumar, Department of Botany
8. Prof. Alpna Saini, Department of English
9. Prof. Rajesh Kumar, Department of Chemistry
10. Prof. Anil Mantha, HoD, Department of Zoology
11. Prof. Zameerpal Kaur, Dean, School of Languages
12. Dr. Anand Thakur, Associate Professor, Department of Financial Administration

### The general suggestions by the committee members for all the departments:

1. The activities and functions of Mentor-Mentee system to be improved significantly. Academic mentors must interact with students for their career interest and guidance.
2. Departmental Academic calendar must be made
3. The faculty is highly motivated and can be encouraged to involve Innovative techniques in teaching.
4. Curriculum and teaching be focused on nurturing creativity: problem solving innovative ideas, innovative projects.
5. The department needs to develop industry linkages.
6. Propose value added courses for enhancing employability e.g. for pharmaceutical industry and for quality analysis of products.
7. The department should avoid creating too many thrust areas of research.
8. Research publications, patents and Consultancy may be encouraged.

### 1. Applied Agriculture

#### Strengths

- Rural immersion model
- Good placement

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- Academia-industry interaction is established.
- High demand among international students

#### **Observations**

- The department is advised to improve their consultancy
- The department may be encouraged to take up the programmes relevant to agriculture community and elicit community participation by focusing on their relevant problem.
- The publication and extramural grants in the department not up to the mark
- Few PhD scholars
- Internship in industry should be encouraged.
- Revisit the SWOC analysis

#### **Challenges**

- Limited Industry nearby for trainings and collaboration

### **2. Biochemistry**

#### **Strengths**

- Overall publications and extramural grants

#### **Observations**

- Faculty need to improve the publication profile

#### **Challenges**

- Limited collaboration with clinicians
- Placement to be enhanced

### **3. Botany**

#### **Strengths**

- Faculty from one of the oldest department
- High number of students qualifying national level examination

#### **Observations**

- Add the table with details of teaching load
- Add the MOOC – e-PG pathashala details
- Curriculum feedback analysis pending
- Add all the activities organized by the department

#### **Challenges**

- Office Space for department

### **4. Chemistry**

#### **Strengths**

- Good number of trainings, workshops and expert lectures conducted

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### Observations

- Strengthen the interaction with Local industries and follow up meetings
- Low admissions in M.Sc. Med. Chemistry
- Innovative practices of the department pending
- Low publication by few faculty
- Promote interdisciplinary research
- The department has potential to get good number of Patents.
- Internship in industry should be encouraged.

## 5. Computational Sciences

### Strengths

- New course with very high scope
- Plans to submit proposal for DBT Computational Center
- Good number of institutional collaborations.

### Observations

- Few PhD Scholars
- SWOC to be rewritten

## 6. Computer Science and Technology

### Strengths

- Students have successful start-up.
- Alumni of the department contributing in placements
- New PG Diploma courses offered

### Observations

- M Tech CST has poor student admission.
- Curriculum feedback analysis pending
- SWOC analysis pending
- The department has potential to get good number of Patents and consultancy projects.

## 7. Geology

### Strengths

- Interdisciplinary collaborations

### Observations

- Few PhD Scholars ✓

### Challenges

- Placement

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## 8. Environmental Science and Technology

### Strengths

- Consultancy and industry collaborations
- Institutional collaborations.

### Observations

- Low publication by few faculty
- The department has potential to offer training in emerging environmental issues for local, national and internal importance.
- Encourage faculty to file Patents.

## 9. Geography

### Strengths

- High placement

### Observations

- Curriculum feedback analysis pending

## 10. Pharmacology

### Strengths

- Establishment of Animal house facility in university
- Placement good

### Observations

- Curriculum feedback analysis pending
- Patents filing to be encouraged
- Industry collaborations and MoU to be planned
- No Consultancy
- Internship in industry should be encouraged.

## 11. Pharmaceutical Sciences

### Strengths

- Consultancy and industry collaborations
- Institutional collaborations
- Patents filed and granted

### Observations

- Add the table with details of teaching load
- Curriculum feedback analysis pending
- High publications
- Revise SWOC analysis
- Internship in industry should be encouraged.

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## 12. Physics

### Strengths

- Good publications and grants

### Observations

- Curriculum feedback analysis pending
- Details of placement to be added
- The students qualifying NET are few but GATE & JEST many
- SWOC to be modified

## 13. Psychology

### Strengths

- The discipline has high demand and scope

### Observations

- Curriculum feedback analysis pending
- PhD program started in 2022
- No Consultancy
- Hospital Collaborations should be initiated
- More activities should be done under counseling cell
- Low publications and research grants
- Community outreach activities must be planned ✓
- The research lab should be functional with advanced psychology tools

## 14. South and Central Asian Studies

### Strengths

- Interdisciplinary research

### Observations

- Low publications by few faculty
- No major research grant

## 15. Sociology

### Strengths

- Teaching learning Centre under PMMMNIIT scheme
- Good number of FDPs, workshops and expert lectures conducted
- Faculty has some consultancy projects

### Observations

- Feedback analysis pending

### Challenges

- Infrastructure
- Departmental facilities

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## 16. Zoology

### Strengths

- The discipline has high demand and scope
- Highly reputed publications
- Good number of institutional collaborations.

### Observations

- No Consultancy
- More International collaboration should be explored

## 17. Mass communication and media studies

### Strengths

- The discipline has high demand and scope
- Faculty has some consultancy projects
- Good placement
- Media lab is established

### Observations

- Community outreach activities must be planned
- Low publications by few faculty
- Complete the placement data

## 18. Physical Education

### Strengths

- The discipline has high demand and scope

### Observations

- Outreach and university wide activities must be planned
- SWOC to be modified
- Plan to participation at national and international/AIU events

### Challenges

- International collaborations

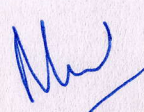
## 19. Law

### Strengths

- Community outreach activities
- Environment/human rights related grants and activities

### Observations

- Add the details of MOOC and all the e-content developed
- Training and court sessions to be conducted
- Internship should be encouraged.
- Placement data to be updated



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- Community outreach
- National and international collaborations required
- Publications not up to the mark

## 20. History

### Strengths

- University Museum

### Observations

- Curriculum feedback analysis pending
- Visit to historical and archeological sites must be done
- SWOC to be modified
- Publications not up to the mark
- Enhance interdisciplinary research and international collaborations
- Department must strengthen the Punjab Archives

## 21. Education

### Strengths

- PMMMNIIT scheme
- Good number of FDPs, workshops and expert lectures conducted
- Studio in the department

### Observations

- No industry collaborations and MoU signed
- No Consultancy and patents
- Department must develop some innovative tools and methods in internship.
- Develop a Resource Centre for the region for service learning and teacher educators.

## 22. English

### Strengths

- High number of students qualifying JRF/NET/GATE/English

### Observations

- Curriculum feedback analysis pending
- Collaborative research
- Publication profile of few faculties not up to the mark

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## 23. Human Genetics and Molecular Medicine

### Strengths

- Institutional collaborations
- Interdisciplinary research

### Observations

- Curriculum feedback analysis pending
- Students participation in activities is good
- International Collaborations to be encouraged

## 24. Mathematics and Statistics

### Strengths

1. Interdisciplinary research
2. Possibility of starting new courses such as Vedic Mathematics

### Observations

- No Consultancy and patents
- Low PhD admission for Statistics
- Encourage interdisciplinary research

### Challenges

- Limited budget for purchasing programming software required in the department

## 25. Microbiology

### Strengths

- The discipline has high demand and scope

### Observations

- No Consultancy
- Good Institutional collaborative research
- No Patents
- Good Publications
- Internship in industry should be encouraged.

## 26. Economics

### Strengths

- International Grant and collaboration

### Observations

- Curriculum feedback analysis to be reanalyzed

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- No consultancy

## 27. Library Sciences

### Strengths

- Although a new department but still good number of PhD scholars

### Observations

- Curriculum feedback analysis pending
- Efforts required to nurture creativity among students
- Department must devise some good plan for placement
- Faculty to be more active in exploring interdisciplinary research and procure grants

### Challenges

- Infrastructure
- Departmental facilities

## 28. Performing and Fine Arts

### Strengths

Department which in long run will cater all the cultural/theatre/music activities of University

### Observations

- Efforts required to nurture creativity among students
- Faculty must propose plan for interdisciplinary research and National/international collaborations
- Department must put efforts to prepare university students for participation in regional, national and international events and AIU youth festivals

### Challenges

- Infrastructure required
- Departmental facilities need

## 29. Punjabi

### Strengths

- The discipline can enhance the visibility of the university in region

### Observations

- Publications low
- Devise a plan to promote Punjabi culture among masses

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- Low admission, department must put efforts to enhance the visibility of the department at local and regional levels.

### 30. Financial Administration

#### Strengths

- The discipline has high demand and scope

#### Observations

- No consultancy
- National and international collaborations required

### 31. Hindi

#### Strengths

- Offered new PG diploma courses
- Good number of PhD scholars

#### Observations

- Curriculum feedback Analysis pending
- No Consultancy
- Placement low
- National and international collaborations required
- More efforts required to enhance the visibility of the department.

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Prof. Monisha Dhiman  
Director, IQAC

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Hon'ble Vice Chancellor

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