

Central University of Punjab
INTERNAL QUALITY ASSURANCE CELL

External Academic Audit Report - 2019

External Academic Audit of 22 departments was conducted on 23rd and 24th April 2019. These departments were grouped into two parts:

1. Science Group
2. Arts and Humanities Group

Following were the members of the Committee for the External Academic Audit:

1. Prof. A. K. Dhawan, Vice President, Kam Tek Inc., USA
2. Prof. M. M. Gupta, Panjab University, Chandigarh
3. Prof. Varinder Kumar, Panjab University, Chandigarh
4. Prof. Mohammad Miyan, Jamia Millia University, Delhi
5. Prof. J. S. Dargan, Punjabi University, Patiala
6. Prof. Suman Beri, Panjab University, Chandigarh
7. Dean Academic Affairs/Nominee
8. Dean/Nominee of the School
9. Member IQAC

Expert's suggestions for further improvement in the different departments:

A. Applied Agriculture

1. Faculty: Appointment of Professor and Associate Professor
2. Need supporting staff
3. Name of the Department is not a true reflection of programme
 - a. M.Sc. (Food Science & Technology)
 - b. MBA (Agri Business)Rename or bifurcate into two departments
4. Develop collaboration with NIFTEM
5. Feed back of Stake-holders be obtained
6. Consultancy be promoted

B. Biochemistry and Microbial Sciences

1. Department is doing extremely well
 - a. Faculty is complete
 - b. There are five Nationally supported Faculty
 - c. Already department has DST-FIST group
2. There is a need to develop 'Value added Courses'. Modules in areas like CRISPER, Nutrotide sequencing, techniques of cancer detection, etc.
3. Mentoring system needs to be improved significantly.
4. The faculty is highly motivated and can be encouraged to involve Innovative techniques in teaching.

5. Need to attract some consultancy
6. The department should develop a state of art animal house, marking their academic activities.

C. Animal Science

1. Overall, the department is doing good work
2. This department should develop an animal house for experimental work
3. Students mentoring needs to be more structured.
4. Department should promote 'Value Added courses' that would enhance employability of students.
5. Curriculum and teaching be focused on nurturing creativity: problem solving innovative ideas, innovative projects.
6. The nomenclature of degree programmes be modified to improve employability of students.

D. Chemical Sciences

1. Overall, satisfactory work
 - a. Publications are good
 - b. Collaborations good
 - c. Student's placement good
2. The department lacks basic equipment for student's need and should develop its laboratories by purchasing small equipment (rather than high end equipment)
3. Mentor-mentee meetings are very few and infrequent
4. This department can attract a lot of consultancy work
5. The department needs to develop industry linkages and also design some value added courses for enhancing employability e.g. for pharmaceutical industry and for quality analysis of products.
6. The department should avoid creating too many thrust areas of research.

E. Computer Sciences and Technology

1. On priority, the department should go through the AICTE approval process, for its programmes.
2. The following need improvement
 - a. Mentor-mentee meetings
 - b. Feedback of Stake-holders: related industries
 - c. Consultancy
3. Department has no externally funded projects.
4. Non-Ph.D. faculty should be encouraged to complete Ph.D. in a time bound manner.
5. The student/teacher ratio is very high (over 18). This needs to be fixed.
6. There are no Ph.D. students in the department. It is important to enroll Ph.D. students for academic growth of the department.
7. The department should design some value added courses for enhancement of student's employability.

F. Computational Sciences

1. Organize open day for local college students.
2. University fellowship for NET (or) equivalent students for Ph.D.
3. Invited lectures (experts) required.
4. Enhance research funding
5. Upgrading labs/infrastructure by enhanced funding

G. Mathematics and Statistics

1. University fellowship for NET (or) equivalent students for Ph.D.
2. Enhance research funding
3. Additional faculty in Statistics
4. Rigorous selection of non-Net students and their admission to Ph.D.

H. Pharmaceutical Sciences and Natural Products

1. Alumni Association at department level
2. University fellowship for Ph.D. (Net/Non-net)
3. Animal house for in vivo experimentation
4. University funding for establishing Herbal Garden

I. Physical Sciences

1. Enhance research funding for labs
2. Recruitment of faculty in specialized areas as per the requirement of the departments
3. Rigorous selection of non-Net and Net students and their admission to Ph.D. with or without university fellowship.

J. Plant Sciences

1. Research in basic areas of plant sciences should be included in research and teaching
2. Efforts to conserve local flora by conducting botanical seminars
3. Alumni association at departmental level is needed

K. Geography and Geology

1. Student/faculty visit to B.SPI (Lucknow) for workshops of short duration
2. Lectures/seminars/practical work – hands on training at BSIP for strengthening the curriculum

L. Environmental Science & Technology

1. Allopathy research should be encouraged
2. International foundation for Science, Sweden (IFS) for young scientist for funds should be approached.

M. Human Genetics and Molecular Medicine

1. Rural education, community awareness on genetic diseases/cancer the thrust areas of the departmental research activities uniting to the local area
2. Regular conferences and seminars are recommended.

N. Law

1. Research component needs to be strengthened.
2. Collaborative research should be encouraged.
3. Analytical teaching modules should be harnessed to the full.
4. Ph.D. research on current issues could be undertaken without involving any extra inputs from outside for the mutual benefits of both students and the faculty

O. Sociology

1. There should be flexibility in the curriculum. The department should offer more courses of interdisciplinary nature.
2. The department needs to give more attention to community work
3. The department should also needs to strengthen its research base
4. May decide the thrust area in sociology keeping in India as a focused civilization

P. Languages & Comparative Literature

1. The department may play more active role in community system
2. More faculty is required in the department.
3. The department needs more space.
4. Separate labs may be established to augmentation of individual collaboration

Q. Hindi

1. The department needs to be strengthened by adding faculty.
2. Faculty should take up the use of ICT in teaching learning process
3. The department should work towards strengthening research base and taking projects from funding agencies.

R. Financial Administration

1. The department needs to focus on research and encourage students to take up some relevant topics in commerce
2. The department needs to involve in community work and strive to take up consultancy projects
3. The department needs to utilize the infrastructure facility provided to them for community programmes.

S. Mass Communication and Media Studies

1. Research publications may be encouraged
2. ICT use is very good, could be utilized for community work.
3. Laboratory facilities be provided to strengthen their work.

4. They should collaborate with other mass communication institutes so that they get an opportunity to learn and put to use.
5. Community radio may be worked out
6. Seminars/workshops are to be organized by the department.

T. Education

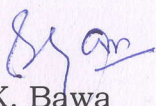
1. Efforts may be made for collaboration with some Indian institutes.
2. A separate reading room for Ph.D. students may be assigned.
3. More efforts needs to be made to utilize the funds under PMMMMNMTT scheme
4. Develop a Resource Centre for the region with regard to in service education of teachers and teacher educators.
5. Consultancy needs to be encouraged.

U. South and Central Asian Studies

1. The department has to look into the transaction seriously and also focus on its future development i.e. research and new courses
2. The faculty needs to be more focused on their respective areas of specialization.
3. They are hardly making use of ICT.

V. Economic Studies

1. The department is doing a good job. It should strengthen the specialized areas so that more consultancy could be obtained by the department.
2. The university should consider to reduce its share in consultancy fee so that the others are encouraged to take up consultancy
3. The department's consultancy module could be strengthened by giving more credit to research.
4. The department may be encouraged to take up the extra programme for agriculture community and elicit community participation by focusing on their relevant problem.


Prof. S. K. Bawa
Director, IQAC

Hon'ble Vice Chancellor

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