INTERNAL QUALITY ASSURANCE CELL

Report of Research Audit 2020

The online Research Audit 2020 of twenty-nine departments was conducted from February 1-3, 2021. The following committee was constituted to conduct the Research Audit:

1. Hon'ble Vice Chancellor – Chairperson
2. External Experts
3. Dean In-charge Academics
4. Dean Research
5. Dean of the Concerned School
6. Director IQAC – Convener

The external expert for the following departments was Prof. G. D. Yadav

1. Botany

- The department is advised to improve their consultancy.
- Collaborative research needs to be strengthened.
- The department should focus on publishing Patents.
- Adjunct professors from local/regional areas should be appointed.
- Internship in industry should be encouraged.

2. PSNP

- The department has good number of publications and one international research fellowship has been awarded.
- The department is advised to improve their consultancy.
- Collaborative research needs to be strengthened.
- The department should focus on publishing Patents.
- They should work for industry-academia collaboration and consultancy.

3. Pharmacology

- The department is advised to focus more on publications and inter-disciplinary research with other departments.
- They should work for industry-academia collaboration and consultancy.
- The department is advised to improve their consultancy.
- Collaborative research needs to be strengthened.
- The department should focus on publishing Patents.

4. Zoology

- The department should focus more on consultancy.
- The industry-academia interaction should be encouraged.
- The department should collaborate on biotech problems.

- Collaborative research needs to be strengthened.

- The department should focus on publishing Patents.

5. Applied agriculture

- The department should promote interdisciplinary research and research projects.
- They should focus on specialized areas of research with which the department will be recognized.
- Application oriented research should be encouraged and work for generating consultancy.
- Collaborative research needs to be strengthened.
- The department should focus on publishing Patents.
- They should work for industry-academia collaboration.

6. Biochemistry

- The department should collaborate with department of pharmacy and pharmacology.
- Academia industry collaboration should be encouraged.
- Cross disciplinary interest among students must be inculcated.
- It is suggested to organize across disciplinary seminars.
- The department is advised to improve their consultancy.
- Collaborative research needs to be strengthened.
- The department should focus on publishing Patents.

7. Microbiology

- The department is advised to have thrust area of research of the department on which research projects should be applied.
- Quality research should be published in Scopus or Web of Science indexed journals.
- The department should work for industry academic collaboration and consultancy.
- The department is advised to improve their consultancy.
- Collaborative research needs to be strengthened.
- The department should focus on publishing Patents.

8. Chemistry

- It is suggested to start courses on green chemistry, analytical chemistry and solid state chemistry.
- Consultancy should be encouraged.
- Industry-academia collaboration needs improvement.
- The department is advised to improve their consultancy.
- Collaborative research needs to be strengthened.
- The department should focus on publishing Patents.

The external expert for the following departments was Prof. T.P. Singh

9. Computer Science and Technology

- It is suggested to collaborate with biological sciences.
- The department should concentrate on imaging.
- Industry –academia collaboration should be encouraged.
- The department should also focus on inter-disciplinary research.
- AI based studies for solving problems for early detection of diseases technology.
- The department is advised to improve their consultancy.
- Collaborative research needs to be strengthened.
- The department should focus on publishing Patents.

10. Human Genetics & Molecular Medicine

- The department should focus on the specific areas of research and promote research in those areas.
- They should focus more on research collaborations.
- There are good publications to their credit.
- The department is advised to improve their consultancy.
- Collaborative research needs to be strengthened.
- The department should focus on publishing Patents.
- They should work for industry-academia collaboration.

11. Environment Science & Technology

- The department is advised to identify the areas of research in which the department will be recognized.
- The department is doing well individually but should work for the common thrust areas of the department.
- Consultancy needs improvement.
- Research collaborations are to be promoted.
- The department should focus on publishing Patents.
- They should work for industry-academia collaboration.

12. Geography

- The department should also focus on inter-disciplinary research.
- They should focus more on research collaborations.
- Consultancy should be encouraged.
- More research publications and research projects are required.
- The department should focus on publishing Patents.
- They should work for industry-academia collaboration.

13. Geology

- The department is advised to focus on hydrogeology.
- They should have specific areas of research by which the department will be known for.

- More research publications and research projects are required.
- They should also focus on industry-academia collaboration and consultancy.
- Collaborative research needs to be strengthened.
- The department should focus on publishing Patents.

14. Computational Sciences

- The department is advised to work for industry-academia collaboration and promote consultancy.
- The department should have specific thrust areas and work in collaboration with other departments.
- The department should optimize the course work and focus on research.
- Computational work needs to be validated experimentally.
- More publications are required.
- The department should focus on publishing Patents.

15. Math & Statistics

- The department is advised to work in application field because it has better opportunities.
- The department should promote research collaboration and inter-disciplinary research.
- Industry-academia collaboration is required and the department should work for bringing consultancy also.
- The department should focus on publishing Patents.

16. Physics

- The department is advised to think about the common theme for research to become center of eminence.
- The department should try to collaborate with other departments.
- The department should apply for more research projects and work for more publications.
- The department is advised to improve their consultancy.
- The department should focus on publishing Patents.
- They should work for industry-academia collaboration.

The external expert for the following departments was Prof. G. L. Puntambekar

17. Journalism and Mass communication

- The department is advised to focus on the work for the benefits of society
- The department should focus on collaborative research and industry-academia collaborative innovation to become leader in the field

- The department should focus on bringing research projects on the consolidated thrust area of the department
- The department is advised to improve their consultancy.

18. South and Central Asian Studies

- The department is advised to apply for new projects and initiate cross disciplinary collaborations for funding
- Students should be encouraged to take up multi-disciplinary projects
- The department is advised to disseminate the conclusions of research through media/news-papers and should reach to policy makers.
- The department should focus on writing article on recent developments and publish reviews in journals.
- The department is advised to improve their consultancy.
- Collaborative research needs to be strengthened.
- They should work for industry-academia collaboration.

19. Financial administration

- The department is advised to contribute in policy formulation through research.
- It was suggested to focus on publications in economic and political weekly and southern economists.
- It is suggested to focus more on public finance.
- Consultancy and industry-academia collaboration and research collaboration needs to be promoted.
- The department is advised to improve their consultancy.

The external expert for the following departments was Prof. Mrinal Miri

20. History

- The department is advised to write articles and publish reviews in journals.
- They should focus more on getting projects and to give emphasis on interdisciplinary research.
- A good number of publications in Scopus and web of science indexed journals are required.
- They should work for industry-academia collaboration and consultancy.

21. Psychology

- The department should promote research on the thrust areas of the discipline.
- They are advised to publish papers in Scopus and web of science indexed journals.

- They should focus more on getting research projects through collaborations.
- They should work for industry-academia collaboration and consultancy.

22. Sociology

- The department should encourage students to select topics of research not only related to local issues but related to other cultures too.
- The department should focus more on publications and collaborative research.
- The department is advised to improve their consultancy.
- They should work for industry-academia collaboration.

23. Economic Studies

- The department is advised to concentrate on the selected area by which the department will be known.
- The department has very impressive publications.
- The department should involve students in research to engage them in conducting innovative research and local research.
- They should work for industry-academia collaboration and consultancy.

The external expert for the following department was Prof. P. S. Jaswal

24. Law

- The department is advised to conduct empirical research with focus on contemporary issues.
- More output in publications is required.
- The department should focus more on research projects and collaborative research.
- The department is advised to improve their consultancy.
- They should work for industry-academia collaboration.

The external expert for the following departments was Prof. B.S. Jani

25. English

- The department is advised to publish good quality research in Scopus or Web of Science indexed journals.
- The department should concentrate more on interdisciplinary research and collaborate with different departments.
- The focused area of research should be planned through which the department should be known as specialized department.
- They should work for industry-academia collaboration and consultancy.

26. Hindi

- The department is advised to work on literature in Gurumukhi, scientific study of tribal literature, philosophy of oneness and Sant Sahitya.
- They should also focus on technical Hindi and computational Hindi.
- The department is advised to improve their consultancy.
- Collaborative research needs to be strengthened.
- They should work for industry-academia collaboration.

27. Punjabi

- The department should focus on environment and literature, computational Punjabi, cultural, linguistic and folk lore
- Research collaborations are required.
- The department should focus on the research area by which the department will be known for its specialized research.
- More concentration is required on research projects.
- The department is advised to improve their consultancy.
- They should work for industry-academia collaboration.

The external expert for the following departments was Prof. R P Vadhera

28. Education

- The department should concentrate on specialized area of research by which the department will be known for its specialization
- Application oriented research is to be conducted and more publications are required
- Collaborative research needs to be strengthened.
- They should work for industry-academia collaboration and consultancy.

29. Physical Education

- The department is advised to focus more on collaborative and application oriented research.
- All faculty members should work for more publications
- The department is advised to improve their consultancy.
- They should work for industry-academia collaboration.

Prof. S. K. Bawa 15/2/21
Director, IQAC

Hon'ble Vice Chancellor 16/2/2021

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