

3. Evaluative Report of the Department

1. Name of the Department Centre for Nuclear Medicine, UIEAST, PU Chandigarh
2. Year of establishment : 2007
3. Is the Department part of a School/Faculty of the university? Faculty of Science
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) PG, Ph.D.
5. Interdisciplinary programmes and departments involved
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Research Programme (MSc II & Ph.D) with collaboration with PGI, Centre for Mediclal Physics, PU Chd.
7. Details of programmes discontinued, if any, with reasons
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
9. Participation of the department in the courses offered by other departments
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|-------------------|---------------|---|
| Professor | 1 | | Nil |
| Associate Professors | 1 | | Nil |
| Asst. Professors | 2 | 1 | 1 |
| Others | | | |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D./ M.Phil students guided for the last 4 years |
|--------------------|---------------|-----------------|----------------------|----------------------------|---|
| Prof.D.K.Dhawan | Phd.DMRIT | Coordinator | Radiation Biophysics | 28 Years | 8 |
| Dr.VijaytaD.Chadha | Phd. | Asstt.Professor | Cancer Biology | 7 Years | ----- |

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors =2
 i) Prof.N.K.Relan , USA and Dr.Pankaj Tandon, Scientist 'G' Atomic Energy Regulatory Board, Mumbai
13. Percentage of classes taken by temporary faculty - programme-wise information
 80%
14. Programme-wise Student Teacher Ratio = 10%
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual Sanctioned = 5, Filled =3
16. Research thrust areas as recognized by major funding agencies
Development of Radipharmaeuticals for the early detection of Cancer
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.
 CSIR, DST, UGC, ICMR ---See Annexure(enclosed)
18. Inter-institutional collaborative projects and associated grants received
- a) National collaboration
Institute of Pharmaceutical Medical Sciences, P.U.Chandigarh
- b) International collaboration
b) International collaboration Baylor Centre, DALLAS, usa

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
20. Research facility / centre with
- state recognition Yes
 - national recognition Yes
 - international recognition Yes
21. Special research laboratories sponsored by / created by industry or corporate bodies
22. Publications:
- * Number of papers published in peer reviewed journals (national / international) 56 Last 5 years
 - * Monographs
 - * Chapters in Books = 3
 - * Edited Books
 - * Books with ISBN with details of publishers
 - * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - * Citation Index - range / average * SNIP
 - * SJR
 - * Impact Factor - range / average **2 to 6**
 - * h-index **16**
23. Details of patents and income generated **One applied by DST = 1**
24. Areas of consultancy and income generated
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
Prof.D.K.Dhawan, Baylor, Medical Centre, USA
26. Faculty serving in
- a) National committees :Shobhit University
 - b) International committees Medical Olympus,Greece

- c) c) Editorial Boards d) any other Prof.D.K.Dhawan-oneditorial Board of 5 international journals
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Prof.D.K.Dhawan, is a resource person in orientation Centre, Refresher Course organized by Academic Staff College & Inspire Programme of DST, GOI

28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects All M.Sc Part-II students Average 8 per year
 - percentage of students doing projects in collaboration with other universities / industry / institute
29. Awards / recognitions received at the national and international level by
- Faculty UICC Fellowship twice in 2010 & 2013 to visit USA
 - Doctoral / post doctoral fellows 1st prize in 2nd Medical Olympics held at Thessalonini, Greece
 - Students -
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
- i) Organized Awareness Programme jointly conducted with AERB, Mumbai 2011
 - ii) Orgnized 32nd conference of Indian Assocatin Biomedical Scientists 2011
31. Code of ethics for research followed by the departments
Institutinal Ethical Committee clearance for animal Studies
32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| PG | 31 | 3 | 6 | | |
| PhD. | | 1 | 9 | | |
| | | | | | |
| | | | | | |

33. Diversity of Student

| Name of the Programme (refer to question no. 4) | % of students from the same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| | | 50% | 50% | |
| | | | | |
| | | | | |
| | | | | |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

35. Student progression

| Student progression | Percentage against enrolled |
|---|-----------------------------|
| UG to PG | 90% |
| PG to M.Phil. | ---- |
| PG to Ph.D. | 20% |
| Ph.D. to Post-Doctoral | ----- |
| Employed <input type="checkbox"/> Campus selection <input type="checkbox"/> Other than campus recruitment | 90% |
| Entrepreneurs | |

36. Diversity of staff

| | |
|--|------|
| Percentage of faculty who are graduates | |
| of the same university | 100% |
| from other universities within the State | |
| from universities from other States | |
| from universities outside the country | |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period
38. Present details of departmental infrastructural facilities with regard to
- a) Library **Available**
 - b) Internet facilities for staff and students :**Available**
 - c) Total number of class rooms =3
 - d) Class rooms with ICT facility
 - e) Students' laboratories 4
 - f) Research laboratories 4
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university **11**
 - b) from other institutions/universities -
40. Number of post graduate students getting financial assistance from the university. =1
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. ----
42. Does the department obtain feedback from YES
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Syllabus update
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Streamlining the administration
 - c. alumni and employers on the programmes offered and how does the department utilize the feedback? **New employment opportunity utilized**
43. List the distinguished alumni of the department (maximum 10)
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
45. List the teaching methods adopted by the faculty for different programmes.

Conventional and audio-visual

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Large number of students are regularly employed outside

47. Highlight the participation of students and faculty in extension activities.
48. Give details of “beyond syllabus scholarly activities” of the department.
The M.Sc students do dissertation based on specific research topic.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. **Basic knowledge of Cancer and Radiation**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength: Research, Teaching, Participation in National/International conferences

52. Future plans of the department.

The department shall strive not just to maintain but also improve the high standard set so far, of producing technically competent students and quality work in frontier areas of research