

3. Evaluative Report of the Department [2009-2013]

1. Name of the Department : **Department cum National Centre for Human Genome Studies & Research**
2. Year of establishment : **2002**
3. Is the Department part of a School/Faculty of the university? : **Yes, Faculty of Science, Panjab University**
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 : **Nil**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
7. Details of programmes discontinued, if any, with reasons : **Nil**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : **Semester System**
9. Participation of the department in the courses offered by other departments : **Nil**
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/others)

	Sanctioned	Filled	Actual (including (CAS & MPS)
Professor	1	Vacant	1
Associate Professors	1	Vacant	1
Asst. Professors	3	1	3
Others	0	0	0

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
Dr. Shashi Chaudhary	Ph.D.	Chairperson & Assistant Professor	Medical Genetics	8 Years	1
Dr. Ranvir Singh	Ph.D.	Assistant Professor	Protein Crystallography	8 Years	3
Prof. Tapas Mukhopadhyay (Re-employed)	Ph.D.	Professor	Cancer Biology	12 Years	3

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : **N.A.**

13. Percentage of classes taken by temporary faculty – programme-wise information : **M.Sc. 18.36%**

14. Programme-wise Student Teacher Ratio : **M.Sc.-10:1**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual
Administrative Staff

Sanctioned Posts	Filled	Actual
02	02	02

Technical Staff

Sanctioned Posts	Filled	Actual
04	03	02

16. Research thrust areas as recognized by major funding agencies : **Human Genomics**

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. 1 Project (DAE-BRNS) Rs. 16.96lakh: **Nil**
18. Inter-institutional collaborative projects and associated grants received : **Nil**
- a) National collaboration b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **Nil**
20. Research facility / centre with
- state recognition : **Nil**
 - national recognition : **Nil**
 - international recognition : **Nil**
21. Special research laboratories sponsored by / created by industry or corporate bodies : **Nil**
22. **Publications:**
- * Number of papers published in peer reviewed journals (national / international) **12+3=15**
 - * Monographs-**Nil**
 - * Chapters in Books-
- Nil**
- * Edited Books -**Nil**
 - * 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 *
- h-index
23. Details of patents and income generated : **N.A.**

24. Areas of consultancy and income generated : **Nil**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : **Dr. Shashi Chaudhary, Summer research fellowship-INSA 2013**
26. Faculty serving in
- a) National committees b) International committees c) Editorial Boards d) any other (please specify) **At University Level-(Academic/Administrative & Technical Committee); Institutional Animal Ethics committee.**

Name of the faculty with designation	Member of various Advisory Board
Tapas Mukhopadhyay Professor (Re-employed)	Advisory Board, Monad University, Delhi, Indian Society of Cell Biology, National Advisory Committee of Madurai Kamaraj University, Madurai

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
Refresher Courses/Workshops/Seminars etc.
28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects : **100%**
 - percentage of students doing projects in collaboration with other universities / industry / institute : **0%**
29. Awards / recognitions received at the national and international level by
- Faculty : **Nil**
 - Doctoral / post doctoral fellows: **Ms. Suruchi Aggarwal (Best Poster Presentation to Young Scientist)**
 - Students : **Nil**
30. Seminars/ Conferences/Workshops organized and the source of funding (national
- International) with details of outstanding participants, if any. :

- **Workshop & Hands on Training Cell and Molecular Biology Tools & Techniques 21-26 March, 2011**

31. Code of ethics for research followed by the departments:
Research work is regularly monitored by Research Monitoring Committee comprised of departmental faculty & senior members from other departments.

32. Student profile programme-wise: 2009-2013

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc.(Human Genomics) (2009-2013)	443	12	65	100%	100%

33. Diveristy of Students

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
M.Sc.(Human Genomics) (2009-2013)	55%	21%	4%	N.A.

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

As per information from students and teachers: 7 (UGC-NET exam)

35. Student progression

Student progression	Percentage against enrolled
UG to PG	N.A.

PG to M.Phil.		N.A
PG to Ph.D.		7%
Ph.D. to Post-Doctoral		
Employed		
<input type="checkbox"/>	Campus selection	
<input type="checkbox"/>	Other than campus recruitment	20%
Entrepreneurs		

Diversity of staff

Percentage of faculty who are graduates of
the same University- Nil
From other Universities within the State- Nil
From Universities from other States- 100%
Universities outside the country- Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period -**N.A.**

38. Present details of departmental infrastructural facilities with regard to

- a)** Library : **Well-maintained library**
- b)** Internet facilities for staff and students : **Yes , Wi- Fi**
- c)** Total number of class rooms : **02**
- d)** Class rooms with ICT facility : **01**
- e)** Students' laboratories : **02**
- f)** Research laboratories : **02**

39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university : **Ms. Nilambra Dogra (R.A.) (Ms. Ambica Baru, Mrs. Suruchi Aggarwal, Mrs. Minu Singh, Ms. Neetu & Mr. Mayank Chaudhary all are Ph.D. Students)**
- b) from other institutions/universities : **Nil**
40. Number of post graduate students getting financial assistance from the university. **Nil**
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **N.A.**
42. Does the department obtain feedback from
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
Board of Studies routinely revises syllabus
- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Regular interactions are there with students for this purpose.
- c. alumni and employers on the programmes offered and how does the department utilize the feedback?
Yes through revisions & modifications
43. List the distinguished alumni of the department (maximum 10)

S.No.	Name of the Alumni	Working as (enquired from the students)
1.	Dr. Ashok Kumar	Assistant Professor Centre for System Biology & Bioinformatics, P.U., Chandigarh
2.	Mr. Sandeep Kumar Verma	Director, XIO
3.	Mr. Sandeep Singh	Assistant Professor in Bathinda University
4.	Ms. Reena Ravish	Assistant Manager in Bank
5.	Ms. Anjali Thakur	Lecturer
6.	Ms. Navpreet Kaur	Lecturer
7.	Ms. Navneet Kaur	Doing job in Translational Health

		Institute, Gurgaon
8.	Ms. Gursimran	Doing Job in USA
9.	Ms. Amisha Kuthiala	Quantum
10.	Ms. Isha Dhiman	Quantum

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Invited lectures by experts are periodically held in the department.

45. List the teaching methods adopted by the faculty for different programmes. :

Use of multimedia modes in teaching along with interaction based teaching.

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

Through highly interactive mode of teaching and learning with fruitful engagement of students.

47. Highlight the participation of students and faculty in extension activities.

Students & faculty participate in extracurricular activities like festival celebrations & students interaction activity.

48. Give details of “beyond syllabus scholarly activities” of the department. **Students participate at various extracurricular activities in University.**

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. **N.A.**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

No. of publications (n=15) highlight the contributions.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. Diversity within the faculty members [100% from other university] provides exposure and experience from various universities and regions.

2. Hands on experience/training provided to each students.

3. Good equation with other departments

Weaknesses

1. Lack of faculty members

2. Lack of space for research

Opportunities and Challenges

1. To enhance growth of the department
 2. Translate present level of research to higher level with society as beneficiary.
 3. Achieve progressive development as whole involving students, faculty and department.
52. Future plans of the department.

To achieve the target set at the initial stages of department's beginning that is to act as the National level Genomics Centre which can help and provide support to other labs working in genetics/genomics area.