

### 3. Evaluative Report of the Department

1. Name of the Department : Department of Geography, P.U., Chandigarh
2. Year of establishment : 1960
3. Is the Department part of a School/Faculty of the university? : Yes, Faculty of Arts.
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : **M.A. (Geography), Masters in RS & GIS and Masters in Disaster Management; Pre-Ph.D., Ph.D.**
5. Interdisciplinary programmes and departments involved : **The students admitted in Disaster Management are from different discipline. The course content is also interdisciplinary nature. To teach this course we take help from Department of Laws, P.U., Chandigarh and for internship of the students we collaborate with Punjab Government.**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **EDUSAT Programs on Remote Sensing & GIS in collaboration with Indian Institute of Remote Sensing (IIRS), ISRO, Govt. of India.**
7. Details of programmes discontinued, if any, with reasons : **Not Available**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System **Semester System**
9. Participation of the department in the courses offered by other departments : **Full Participation**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including (CAS &amp; MPS)</b>
Professor	6	4	6
Associate Professors	6	1	3
Asst. Professors	6	3	6
Others	Nil	Nil	<b>Nil</b>

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

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>N0. of Ph.D./ M.Phil Students guides for the last 4 years</b>
Dr. Smita Bhutani	M.A., M. Phil., Ph.D	Professor	Population Geography: Woman & Sustainability	30	8/2
Dr. Dhian Kaur	M.A., M. Phil., Ph.D	Professor	Agricultural Geography, Environmental Studies	30	7/2
Dr. Krishna Mohan	M.A., M. Phil., Ph.D	Professor	Regional Development with Special Focus on backward Areas, Disaster Management, Remote Sensing & Geographic Information System	20	7/1

Dr. Karanjot Kaur Brar (Chairperson)	M.A., M. Phil., Ph.D	Professor	Environmental Studies, Natural Disaster Studies, Remote Sensing & Geographic Information System, Climate & Sustainability Issues	20	7/1
Dr. (Mrs.) Ravinder Kaur	M.A., M. Phil., Ph.D	Associate Professor	Regional Development	15	8/0
Dr. Gaurav	M.A., Ph.D	Assistant Professor	Population Geography Remote Sensing & Geographic Information System	12	8/1
Dr. (Mrs.) Navneet Kaur	M.A., Ph.D	Assistant Professor	Agriculture Geography & Horticulture	9	1/0
Dr. Simrit Kahlon	M.A., M.Phil. Ph.D	Assistant Professor	Urban Geography, Population Geography, Cultural & Environment Geography, Remote Sensing & Geographic	13	5/0

			Information System		
Dr. Vishwa Bandhu Singh	M.A., PGD in R.S & GIS, Ph. D	Assistant Professor	Disaster Studies, Climate Change, Mountain Environments & Remote Sensing & Geographic Information System	1	5/0
Prof. Surya Kant	M.A., M.Phil., Ph.D.	Professor, Re-employed	Regional development with focus on India Administrative Geography	26	3/0
Dr. Gopal Krishan	M.A., Ph.D., D.Sc.	Professor Emeritus	Population Studies, Urban Geography, Administrative Geography	Retired Professor	NIL

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

- Prof. R.C. Chandna (Retd.)
- Prof. Gerry Fehr (University of Fraser Valley, Canada)
- Prof. Nina Singh, MDU, Rohtak
- Prof. Harjit Singh, Dean School of Social Sciences, JNU, New Delhi
- Prof. R. Vaidyanathan, Waltaire and Eminent Geomorphologist and Geologist, Department of Geography, Andhra University
- Dr. Elizabeth Fennis, Department of Sociology and Anthropology, University of Gulf Ontario, Canada
- Mr. Ranbir Singh Kang, Assistant Professor, Department of Geography, Western Illinois University, USA.
- Prof. Josef Serobl, Center for GeoInformatics, Salzburg University, Austria
- Dr. Gopal Krishan (Professor Emeritus)

- No adjunct faculty visited this department.
- Percentage of classes taken by temporary faculty – programme-wise information :  
Masters in Disaster Management 25%
  - Programme-wise Student Teacher Ratio : M.A. (Geography) – 10:1  
Masters in Disaster Management – 20:3  
  
Masters in RS & GIS – 12:7
  - Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual  
Technical: 10 Sanctioned, 6 Filled  
Administrative: 6 Sanctioned, 6 Filled
  - Research thrust areas as recognized by major funding agencies

**The Thrust Areas identified for research and teaching in the Department under CAS Phase I are: Population Geography, Settlement Geography, Agricultural Geography, Geography of Ecosystem and Remote Sensing, GIS-Applications. Research and teaching at our department deals with diverse fields ranging from Applied Geography, Regional Planning, Applied Climatology, Agricultural Geography, Transport Geography, Administrative Geography, Cultural and Social Geography, Urban and Rural Settlements, Biogeography, Disaster studies, Research Methods, Remote Sensing, GIS, Image Processing and Spatial Analysis.**

- 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:  
**National: 2 (Rs. 7,29,000/- UGC, Rs. 4,37,075 /- ICSSR)**  
**International: 2 Association of Universities and College of Canada – AUCC (1,59,343/-), Canadian \$, National Science Foundation (NSF) (13,725 US \$) , SICI (20,000 Canadian \$), ICSSR (Rs. 3,11,750/-)**
- Inter-institutional collaborative projects and associated grants received NIL
  - National collaboration
  - International collaboration
- Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **This department is recognized as Centre of Advanced Study since 2009 (UGC), the total grant received by this department Rs. 73,06,316**
- Research facility / centre with
  - state recognition
  - national recognition
  - international recognition

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) : 35 National, 18 International
    - Monographs : **NIL**
  - Chapters in Books : 11
  - Edited Books : 1
  - Books with ISBN with details of publishers : **NIL**
  - Number listed in International Database (For *e.g.* Web of Science, Scopus,
    - Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Not Available
  - Citation Index – range / average : Not Available
  - SNIP : Not Available
  - SJR : Not Available
  - Impact Factor – range / average : Not Available
  - h-index : **NIL**
23. Details of patents and income generated : **NIL**
24. Areas of consultancy and income generated : **Not Available**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : 2 faculty members visited Canada
26. Faculty serving in
- a) National committees b) International committees c) Editorial Boards d) any other (please specify) : **All faculty Members**
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs) : **All faculty Members**
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 : **Not Available**
29. Awards / recognitions received at the national and international level by
- Faculty : **1 (National)**
  - Doctoral / post doctoral fellows : **NIL**

- Students : **NIL**

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. **NIL**

31. Code of ethics for research followed by the departments :**As per university rules**

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A. (Geog) 1 <sup>st</sup> Semester	995	105	101	53%	47%
Masters in Disaster Management 1 <sup>st</sup> Semester	320	34	29	65%	35%
Masters in RS & GIS 1 <sup>st</sup> Semester	228	15	17	47%	53%

33. Diversity 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.A. (Geography)	51	4	45	NIL
Masters in Disaster Management	52	4	44	NIL
Masters in RS & GIS	16	12	8	NIL
M.A. (Geography)	51	4	45	NIL

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.  
**Not Available**

35. Student progression

<b>Student progression</b>	<b>Percentage against enrolled</b>
UG to PG	76%
PG to M.Phil.	Nil
PG to Ph.D.	12%
Ph.D. to Post-Doctoral	<b>Not Available</b>
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	<b>Not Available</b>
Entrepreneurs	<b>Not Available</b>

### **36. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same university	60%
from other universities within the State	10%
from universities from other States	30%
from 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 **NIL**

38. Present details of departmental infrastructural facilities with regard to

a) Library: **Books and journals etc are available in the department library.**

b) Internet facilities for staff and students: **The department is Wi-Fi enabled, in addition to LAN to all the faculty members and office staff.**



- c) Total number of class rooms : **6**
- d) Class rooms with ICT facility **Available**
- e) Students' laboratories **2**
- f) Research laboratories **1**
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university **68**
- b) from other institutions/universities **12**
40. Number of post graduate students getting financial assistance from the university. : **94 students**
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: **NIL**
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? : **Not Available**
- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : **Not Available**
- c. alumni and employers on the programmes offered and how does the department utilize the feedback?
- Feedback in the restructuring of the course content from our alumni as members of UG & PG board has been continuously sought. Further, feedback is received from our alumni during the interactive sessions of conferences, seminars and workshops with the department conducts.**
43. List the distinguished alumni of the department (maximum 10)
- Late Prof. G.S. Gosal
  - Late Prof. A.B. Mukherjee
  - Prof. Gopal Krishan
  - Prof. Sawranjit Mehta
  - Prof. R.C. Chandna
  - Prof. Jujjar Singh
  - Prof. K.D. Sharma
  - Prof. Surya Kant
  - Prof. Harjit Singh, CSRD, JNU
  - Mr. Naunihal Singh, IPS
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- A function was organized to commemorate the release of felicitation volume in honour of Prof. R.C. Chandna, former Professor, Department of Geography, P.U., Chandigarh on April 11, 2013.
- Prof. R.P.S. Gosal memorial Lecture was delivered by Prof. R.C. Chandna on 19-8-2013.
- 3<sup>rd</sup> Public Engagement Activity under Research Project on Sustainable Settlements in India jointly organized by Department of Geography, P.U., Chandigarh and Centre for Indo-Canadian Studies & Global Development Institute, University of the Fraser Valley, Canada on January 17, 2014.
- Department actively organized the 8<sup>th</sup> Chandigarh Science Congress (CHASCON-2014) from February 26-28, 2014 under Earth Sciences Section.
- Department is participating in 4<sup>th</sup> Chandigarh Social Science Congress to be held on March 26-27, 2014.

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

- Class Room teaching
- Field work practice
- Laboratory exercises
- Educational Films and Documentaries.

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

The continuous assessment of performance of students using snap test, pre announced test, assignments and presentation help us in monitoring and accessing the success of our objectives.

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

48. Give details of “beyond syllabus scholarly activities” of the department.

- **Participation in Seminars, Conferences and Workshops.**
- **Procurement of National and International projects from recognized agencies such as UGC, ICSSR, SICI and ICDA etc.**

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

**As per university rules.**

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

- **The Department is actively in generating new knowledge evidenced by the large number of research scholars pursuing Ph.D. Large number of research articles being published by faculty and research scholars.**
- **Aloft of this work is primary data and field work based. It also uses the modern technology of Remote Sensing and GIS.**

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

- Strengths:
  - Highly qualified faculty.
  - Trained in RS & GIS.
  - Continuously upgrading its course content & qualification of faculty & infrastructure of the department.
  - Constant exploration to field work for all courses.
  - Amalgamating theory with practicals.
  - Interface with professional bodies, industry & government agencies.
- Weaknesses & Challenges:
  - Infrastructure augmentation
  - Financial limitation and crunch.
  - Truncated faculty & supporting staff.

52. Future plans of the department.

To achieve greater excellence and to fill in the gaps in our main thrust areas of Population Geography, Settlement Geography, Agricultural Geography and Geography of Ecosystem and Remote Sensing and GIS applications, we intend to:

- Have the sanctioned strength of the faculty with new recruitments at the earliest possible so as to share the existing workload.
- Promote Interdisciplinary and applied research,
- Strengthen the course content of the existing Masters Programme in Geography, Remote Sensing & GIS and Disaster Management by including new papers,
- Emphasize on field work for strengthening research,
- Upgrade and augment the existing GIS and Remote Sensing laboratory and setup a new laboratory,
- Provide latest audio-visual facilities in class rooms and laboratories with interactive boards,
- Acquire a variety of latest data like census, NSS, satellite imageries, documents, CDs, DVDs, etc,
- Organize workshops and training programmes for capacity building in Disaster Management, Remote Sensing and GIS for school and college teachers and research scholars to provide latest information and training, and
- Organize seminars on themes pertaining to emerging and thrust areas of the department in the next phase of CAS.

The emphases would be on strengthening the infrastructure and consolidation as well as expansion of academic and research base consistent with realisation of wider research and teaching objectives.