

3. Evaluative Report of the Department

1. Name of the Department : Panjab University SSG Regional Centre, Hoshiarpur
A multi-faculty department started in 2006 by introducing Engineering courses. Later in 2007, LLB (3 years), BA, LLB (5 years integrated) & MCA courses were started.
2. Year of establishment : 2006
3. Is the Department part of a School/Faculty of the university? Yes
BE : Engineering Faculty
LLB, BA, LLB : Law Faculty
MCA : Science Faculty
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

Under Graduate:

- 1 BE, Computer Science & Engineering
- 2 BE, Electronics & Communication Engineering
- 3 BE, Mechanical Engineering
- 4 BE, Information technology
- 5 BA, LLB 5 Years
- 6 LLB 3 years

Post Graduate

Master of Computer Applications (MCA)

- 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 :
The courses being offered are as per the needs of industry. BE, Electrical and Electronics Engineering was discontinued in 2011 due to poor placement scenario in the branch
- 8 Examination System: Annual/Semester/Trimester/Choice Based Credit System : SEMESTER
- 9 Participation of the department in the courses offered by other departments : YES
- 10 Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including (CAS & MPS)
Professor	4	0	
Associate Professors	7	1	01
Asst. Professors	49	34+22	
Others	1	1	34 Open selection 15 Contract+07 Guest

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	N0. of Ph.D./ M.Phil Students guides for the last 4 years
Mrs. Meenu	B.Tech. (CSE)M.TECH	A.P.	CSE	10 years	
Ms. Prabha Sharma	B.Tech. (CSE)M.TECH	A.P.	CSE	10 years	
Dr. Manu Dogra	M.TECH, PhD	A.P.	MECH.	14 years	
Dr. Satish Kumar	B.Sc, M.Sc	A.P.	Applied Sci.	13 years	

Dr. Sukhvinder Singh Bamber	B.Tech. (CSE)M.TECH, Ph.D	A.P.	CSE	05 years	01 Guiding
Dr. Aman Kaura	Ph.D (Chemistry)	A.P.	Applied Sci.	7 year	
Dr. Gurinder Singh	Ph.D (Pysics)	A.P.	Applied Sci.	8 year	01 Guiding
Sh. Jaswinder Singh	B.E., M.E.	A.P.		10 years	
Sh. Mandeep Singh Walia	M.E.	A.P.	MECH.	7 years	
Mr Vinay Arora	M.Phil. B.Ed. CSIR-UGC NET Twice	A.P.	Mathematics	13 years	
Sh. Ravinder Kumar Pal	B.E., M.Tech.	A.P.	MECH.	14 years	
Sh. Harkamal Preet Singh	B.Tech, M.E.	A.P.	MECH.	9 year	
Sh. Naveen Dogra	M.TECH	A.P.	CSE	12 years	
Sh. Ankur Singh Kang	B.Tech, M.E.	A.P.	MECH.	05 years	
Sh. Gurpreet Singh	B.Tech, ECE, M.Tech.	A.P.	ECE	13 years	
Sh. Balwant Raj	B.Tech, M.Tech.	A.P.	ECE	11 years	
Sh. Neeraj Sharma	M.E.(ECE)	A.P.	ECE	06 years	
Sh. Suresh Kumar	B.E., M.Tech.	A.P.	ECE	06 years	
Sh. Jaspal Singh	ME (Electrical Engineering)	A.P.	EEE	08 years	
Mrs. Suman	B.Tech, M.Tech.	A.P.	EEE	09 years	

Sh. Abhishek Chauhan	B.Tech, M.Tech.	A.P.	MECH.	5 years	
Sh. Gaurav Saini	B.Tech, M.Tech.	A.P.	MECH.	3 years	
Sh. Rajeev Kumar Dang	B.Tech, M.Tech., LL.B, MBA	A.P.	MECH.	5 years	
Sh. Kanwalpreet Singh	M.E.(CSE)	A.P.(Cont)	CSE	4.7 years	
Ms. Ritika Arora	M.E.(IT)	A.P (Cont)	IT	1.5 years	
Ms. Sukhpreet Kaur	B.Tech, M.Tech.	A.P.(Cont)	CSE	1.5 year	
Ms. Harpreet Kaur	B.Tech, M.Tech.	A.P.(Cont)	CSE	3.6 year	
Sh. Anish Sharma	B.E., M.TECH, UGC Net	A.P.(Cont)	ECE	1.3 year	
Sh. Gurbinder Singh	B.Tech, M.Tech.	A.P.(Cont)	IT	1.3 year	
Ms. Monika	B.Tech, M.Tech.	A.P.(Cont)	ECE	1 year	
Ms. Harman Preet Kaur	B.Tech, M.Tech.	A.P.(Cont)	ECE	5 years	
Department of Computer Science and Applications					
Dr. Satish Kumar	B.Sc, M.C.A.Ph.D, UGC Net	Assoc. Pro.	DCSA	16 years	03 Guiding
Sh. Rajinder Singh	M.C.A.UGC Net	A.P.	DCSA	10 years	
Sh. Rahul Jassal	M.C.A.UGC Net	A.P.	DCSA	5 years	
Mrs. Neeru Mago	M.sc ,M.Tech.(CSE) UGC Net	A.P.	DCSA	06years	
Sh. Gurjit Singh	M.C.A.	A.P.(Cont)	DCSA	08 years	
University Institute of Legal Studies					

Dr. Virender Kumar Negi	LL.M,UGC Net, Ph.d	A.P.	Law of Torts	08 years	01 Guiding
Mrs. Monika Negi	LL.B, LL.M. UGC Net	A.P.	UILS	08 years	
Mrs. Sukhbir Kaur	B.A.,LL.B,LL.M	A.P.	UILS	8.6 year	
Mrs. Vinay Sharma	LL.M,UGC Net	A.P.	UILS	9.5 years	
Ms. Pooja Sood	LL.M,UGC Net	A.P.	UILS	9 year	
Sh. Sunil Kumar	LL.B, LL.M. UGC Net	A.P.(Cont)	UILS	04 years	
Sh. Sandeep Saini	M.A (English), M.Phil	A.P.(Cont)	UILS	15 years	
Mrs. Rajni Nanda	LL.B, LL.M. UGC Net	A.P.(Cont)	UILS	5 years	

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

13. Percentage of classes taken by temporary faculty – programme-wise information

BE, Computer Science & Engineering	40%
BE, Electronics & Communications	20%
BE, Mechanical Engineering	20%
BE, Information technology	70%
BA, LLB 5 Years	40%
LLB 3 years	
MCA	20%

14. Programme-wise Student Teacher Ratio

BE, Computer Science & Engineering	25:1
BE, Electronics & Communications	15:1
BE, Mechanical Engineering	15:1
BE, Information technology	25:1
BA, LLB 5 Years	25:1
LLB 3 years	
MCA	25:1

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

Administrative and other Supporting Staff				
Sr. No.	Branch	Total No. of Budgeted Posts	Total No. of filled posts	Vacant Posts
1.	Deputy Registrar	01	01	Nil
2.	Assistant Registrar	01	Nil	01
3.	Superintendent	02	Nil	02
4.	Personal Assistant	01	Nil	01
5.	Senior Assistant/A.S.O.	04	04	Nil
6.	Steno Typist	01	Nil	01
7.	Clerk/Jr. Assistant	02	02 (Contractual)	Nil
8.	Clerks-cum-D.E.O.	13	11 (Regular)	02
9.	Store Keeper	01	Nil	01

Work Shop				
Sr. No.	Branch	Total No. of Budgeted Posts	Total No. of filled posts	Vacant Posts
1.	Workshop Superintendent	01	Nil	01
2.	Workshop Instructor	08	05	03
3.	Assistant Workshop Superintendent	01	Nil	01
4.	Jr.Tecnician (G-IV)	08	06	02
Technical Staff				
Sr. No.	Branch	Total No. of Budgeted Posts	Total No. of filled posts	Vacant Posts
1.	Programmer	01	01	Nil
2.	Programming Assistant	01	01	Nil
3.	Senior Technician	11	03	08
4.	Junior Technician(G-IV)	11	10	01
Computer Staff				
1.	System Manager	01	Nil	01
2.	Programming Assistant	01	01	Nil
3.	Computer Attendant	01	01 (Contractual)	Nil
Library Staff				
1.	Deputy Librarian	01	01	Nil
2.	Library Restorer	01	01	Nil
3.	Library Attendant	01	01 (Contractual)	Nil

Medical / Maintenance and Other Misc. Staff				
Sr. No.	Branch	Total No. of Budgeted Posts	Total No. of filled posts	Vacant Posts
1.	Medical Officer	01	01	Nil
2.	Instructor (Physical Edu.)	02	Nil	02
3.	Staff Nurse	01	01	Nil
4.	Pharmacist	01	01	Nil
5.	Jr. Engineer	01	Nil	01
6.	Lab. Technician	01	01	Nil
7.	Mechanic	01	Nil	01
8.	Jr. Technician (G-IV)	01	Nil	01
9.	Mali	01	01	Nil
10.	Medical Officer (Contractual)	03	01	02
11.	Pharmacist (Contractual)	01	Nil	01
12.	Sister Nurse (Contractual)	01	Nil	01
13.	Electrician (Contractual)	01	Nil	01
14.	Plumber (Contractual)	01	01	Nil
15.	Carpenter (Contractual)	01	01	Nil
16.	Driver (Contractual)	02	02	Nil

16. Research thrust areas as recognized by major funding agencies : NIL

17. Number of faculty with ongoing projects from:

a) National 02 (Dr. Gurinder Singh, Aman Kaura)

- b) International funding agencies and NIL
 c) Total grants received. 50 Lakhs

Give the names of the funding agencies, project title and grants received project-wise.

DRDO, CSIR and UGC

18. Inter-institutional collaborative projects and associated grants received
 a) National collaboration NIL
 b) International collaboration NIL
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : DRDO, CSIR and UGC
20. Research facility / Centre with
 State recognition
 National recognition
 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)
 : Engineering : 54 + Law : 27 + MCA : 21
 - * Monographs : Nil
 - * Chapters in Books : 03
 - * Edited Books : Nil
 - * Books with ISBN with details of publishers : Engineering: 11
- a) Digital Circuits And Logic Design (ISBN 978-81-92209-45-6)
 b) Analog Devices & Circuits (ISBN 978-93-83210-09-1)
 c) Structural Mechanics 978-81-909498-8-0 lords Publications
 d) 978-3-8383-9367-4 Lap Lambert
 e) 978-3-8383-9367-4
 f) 978-3-659-32322-5
 g) Electricity Generation from Cotton Stalk, ISBN 978-3-659-38822-4, LAP Lambert Academic Publishing, Germany.
 h) ISBN:978-3-8433-7471-2 (Germany) Lap Lambert Academic Publishing
 i) Electronics Devices & circuit ISBN:978-81-3180-691-3 Laxmi Publishing New Delhi

- * 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 : NIL

24. Areas of consultancy and income generated : NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad: NIL

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

NIL

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty is encouraged to participate in orientation course, refresher course, workshops, seminars, short term courses, faculty development programme. Faculty is also encouraged to organise seminar, international and national conferences, workshops etc.

In addition to above, faculty is also encouraged to organise industrial visits so as to synergise practical skill with theoretical.

28. Student projects

percentage of students who have done in-house projects including inter-departmental projects : 35%

percentage of students doing projects in collaboration with other universities industry / institute : 25%

29. Awards / recognitions received at the national and international level by

Faculty	-	NIL
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 Panjab University Rules

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage (2013 Passout)	
		Male	Female	Male	Female
BE, Computer Science & Engineering	Centralized Admission through JAC & PULEET;	152	85	95.3	100
BE, Electronics & Communication Engineering		169	78	95.5	100
BE, Mechanical Engineering		226	03	95.6	100
BE, Information technology		144	85	95.9	100
BA, LLB 5 Years	60	34	26	100	100
LLB 3 years	57	39	18	100	100
MCA	50	10	40	100	100

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same University	% of students from the other universities within the State	% of students from universities outside the State	% of students from other countries.
BE, Computer Science & Engineering	Students in BE Stream do not come from University System			
BE, Electronics & Communication				

Engineering				
BE, Mechanical Engineering				
BE, Information technology				
BA, LLB 5 Years	60	All Students from PSEB, ICSE, CBSE, Haryana Board		
LLB 3 years	47	07	03	0
MCA	41	03	06	0

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

Data generation in process

35. Student progression

Student progression	Percentage against enrolled
UG to PG	-----
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	2012-13 : Engineering & MCA-62
<input type="checkbox"/> Campus Selection	2013-14: Engineering & MCA-93
<input type="checkbox"/> Other than Campus	2013-14:20
Entrepreneurs	-----

36. Diversity of staff : (Information's Sought from Coordinators)

Percentage of faculty who are graduates	
of the same university	21
from other universities within the State	64
from universities from other States from	15
UniversitiesOutsideCountry	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Ph. D - 03

38. Present details of departmental infrastructural facilities with regard to

a. Library 16400 (Engineering) + 648 (MCA) + 2723 (Law)
 Separate library for Laws

b. Internet facilities for staff and students

Total Wi-Fi / Ethernet connectivity to internet.

c. Total number of class rooms : 22 (Class Room)

d. Class rooms with ICT facility : 03

e. Students' laboratories : 22 (Including workshops)

f. Research laboratories : 01

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university (*Panjab University*) : 07

b) from other institutions/universities : 15

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.

Before starting a new programme, the study about following is made:

- a). The demand of programme in industry & placement prospectus.
- b). Feasibility of programme.
- c). Availability of faculty.
- d). Availability of infrastructure.

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?

Yes, Departmental meetings are held on a regular basis. For improvement suggestions are placed before Board of Studies (BoS) that decides the final curriculum.

- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The subject teacher gets regular feed-back from students on curriculum, teaching-learning process, practicals and tutorials etc. All issues related to teaching-learning-evaluation are discussed in a comprehensive manner in departmental meetings. The departmental coordinates analyses these suggestions.

- c. alumni and employers on the programmes offered and how does the department utilize the feedback?

Each department remains in touch with alumni. The suggestions for the improvement of the curriculum as well as teaching-learning-evaluation based on the industrial/market demand are invited from them. Faculty who is also an alumni, coordinates activity and generate feedback from various alumni.

43. List the distinguished alumni of the department (maximum 10)

Laws: Harmeet Puri 2011

MCA Abhinandan Toor 2011, Jaswinder Kaur 2012, Bhanu Sharma, 2013

BE CSE: SG-9335 Nadia Arora, SG-9325 Kirandeep Kaur both 2013

PASSOUT

ECE: SG-9553 Ritu Sinha, SG-9509 Chirag both 2013 PASSOUT

EEE: SG-9401 Aakansha Sud, SG-7447 Radhika both 2013 PASSOUT

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

Sr.No	Date	Seminar
1	08-12-2011	Resource Persons For Nucleus Software
2	27-03-2012	Globel Voice
3	11-04-2012	WebTek , Cloud Computing & Android
4	13-04-2013	HR'S Meet
Sr.No	Date	Guest Lecture
1	24 th – 26 th March 2011	Dr.Dawinder Singh, Panjab University, Chandigarh Dr. Indu Chabbra, Chairman MCA, Panjab University, Chandigarh Sh.P.K Wdhawa, H.R Manager Swaraj Mazda Chandigarh Dr. Gurjit Singh walia, Scientist DRDO, Chandigarh Dr.Sarabjit Singh, Reader UIET, Chandigarh Prof. Om Parkash Sampla. Retd. IT Kahrakpur, Hoshiarpur
2	02-03-2012	Sh.Arun Sharma of Info Gain
3	15-03-2012	CAD/CAM
4	05-04-2013	Prof. Renu Vig, Panjab University, Chandigarh
5	21-11-2013	Prof S.K Chadha, Building Career in Globalized Environment
6	17-12-2013	Mr.Deepak Uniyal, Assistant Project officer, OST Chandigarh
7	10-03-2014	Press Conference
8	29-03-2014	Dr. Narinder Singh, Nano Science & Nano Technology
Sr.No	Date	Workshop
1	15-04-2013	PLC Workshop
2	27-01-2014	Workshop on mobile Application in Jalandhar

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

Teaching methods includes:

- Lectures;
- Demonstrations;
- Power Point Presentations
- Discussions;
- Case studies;
- Student presentations;
- Group projects; and
- Guest speakers from industry.

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

Course files are maintained and updated on regular basis. Academic audit conducted by team of faculty members. Student feed-back on every aspect of institute are considered and appropriate actions are taken.

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

- 1) Students are encouraged to carry out various technical, academic and cultural activities and also participate in national level competitions organized by other institutions.
- 2) Student also visits industries through educational tours.
- 3) Students also participates in various off-Campus activities.

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

Students are encouraged to carry out case studies, individual as well as group project (IBM TGMC, Infosys Aspiration 2020), presentations, group discussions, industrial visits, technical clubs (Yantrix).

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: NO

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

Ongoing research in the field of Nano-materials and material processing is likely to contribute in generating knowledge.

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

Strengths

Young and Dynamic Faculty
Transparency in system

Eco-friendly green campus
Admissions strictly on All India merit basis
Flexibility in designing own curriculum

Weaknesses:

Remote Location
Lack of funds
Less industry in nearby areas
Lacking in facilities of soft computing and networking
Non-availability of experts as resource person

Opportunities:

Development of rural technology
Starting of interdisciplinary programme
Setting up of small scale enterprise through entrepreneurship program
Promotion of rural youth for technology based learning

Challenges:

Placement in reputed companies
Collaborative ventures with industry/Universities.
To compete with marketing strategy of private institutes
State-of-the-Art training of faculty and technical staff
Establishment of Centre-of-Excellence in research

52. Future plans of the department.

Academic

1. Strengthening the Infrastructure, academic man power
2. Motivate the BoS to redesign curricula as per latest technology trends.
3. Setting up of Academic Quality Assessment cell to monitor the academic quality in the department.
4. Establish partnership with recognized universities, Industries and some renowned institutions in area.
5. Starting new academic and research programmes.

Research and Consultancy

1. To Start Research in material and material processing.
2. Resource generation through consultancy
3. Motivate the faculty to send proposals for sponsored research projects.
4. Organize national/ International conferences to share ideas of researchers.

Placement

1. Efforts for more industry-institute interaction
2. Collaborative ventures with industries for better placement
3. Enhance soft-skills, communication skills, aptitude and technical skills of students through various learning techniques.