

Evaluative Report of the Departments

1. **Name of the department** : **Department of Civil Engineering**
2. **Year of Establishment** : **2013**
3. **Names of Programmes / Courses offered** (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): **UG : B. Tech (CE)**
4. **Names of Interdisciplinary courses and the departments/units involved:**

Sl No.	Name of the Department	Subjects Covered
1	CSE,ECE,IT,ME	EME, Engg. Drawing, Mfg Practices
2	ME	Fluid Mechanics and Structural Analysis

5. **Annual/ semester/choice based credit system (programme wise)**

B.Tech	Semester
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6. **Participation of the department in the courses offered by other departments:**
Applied Sciences

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
NIL

8. **Details of courses/programmes discontinued (if any) with reasons:** **NIL**

9. **Number of Teaching posts**

Designation	Sanctioned	Filled
Professors	0	0
Associate Professors	1	1
Asst. Professors	7	7

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

S.NO.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Abhishek Bawa	M.Tech (Civil)	Asstt. Prof.	Geotechnical Engg.	2	NIL
2	Sahil Sharma	B.Tech (CE)	Asstt. Prof.	Nil	2	NIL
3	Dr. Pooja Mahajan	M.Sc, Ph.D	Associate Prof.	Solid Mechanics	4.5	
4	Harsh Sharma	B.Tech(CE)	Asstt. Prof	Nil	2	NIL
5	Jaskaran Singh	B.Tech(CE)	Asstt. Prof	Nil	1	NIL
6	Manjinder Singh	B.Tech(CE)	Asstt. Prof	Nil	2	NIL
7	Mr. Ravneet Singh	M.Sc., B.Ed.	Asstt.Prof.			
8	Ms. Shelja	M.Sc.	Asstt.Prof.			

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : NIL

13. Student -Teacher Ratio (programme wise)

B.Tech in Mechanical Engineering	Student-Teacher Ratio
Total number of students = 113 Total number of teachers = 5	1:22

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

S No.	Designation	Sanctioned	Available
1	Lab Instructors	7	7
2	Lab Attendant	2	0

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

No. of Faculty with Ph.D	Nil
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No. of Faculty with M.Tech.	1
No. of faculties with B.Tech	4

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL

18. Research Centre /facility recognized by the University: NIL

19. Publications:

a) Publication per faculty: 0

20. Areas of consultancy and income generated : NIL

21. Faculty as members in

a) National committees

No. of ISTE (International Society of Technical Education): 5

b) International Committees : Nil

c) EditorialBoards : Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme (Major Project in last year)

Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

NIL

23. Awards / Recognitions received by faculty and students

Nil-

24. List of eminent academicians and scientists / visitors to the department

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

(a) National _____ : Nil

b) International : Nil

26. Student profile programme/course wise:

Name of the	Applications		Enrolled	
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Course/programme (refer question no. 4)	received	Selected	*M	*F	Pass percentage
2013-2014	84	58	47	11	N/A
2014-2015	86	55	43	13	N/A

*M = Male *F = Female

27. Diversity of Students

Name of course	% of students from the same state	% of students from other states	% of students from abroad
2014-2015	96	4	0
2013-2014	93	7	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Nil

29. Student progression

N/A

Student progression against enrollment %				
UG to PG				
Employed:Campus selection				
Other than campus recruitment				
Entrepreneurship/sel f-employment				

30. Details of Infrastructural facilities

a) Library

Sr.No.	No of books in department library	No of journals of Department library	No of books in main library	No of journals in main library	No of books &journals in research centre
1	83	nil	Vol-576, Title-75	3 national and international e-journal access by biblioethic	Nil

b) Internet facilities for Staff & Students : **64 Mbps**

c) Class rooms with ICT facility : Nil

d) Laboratories

Laboratory description in the curriculum	Exclusive Use/ Shared	Space/size.	Number of experiments	Quality of instruments	Laboratory manuals
Structural Lab	exclusive	113.4 Sq Mtr	10	National Investment Corp	Available
SOM	Exclusive	113.4sqm/36	11	ASI SALES PVT LTD	Available
FM	Exclusive	169.06sqm/36	12	J.P.SCIENTIFIC INSTRUMENT	Available
Concrete Lab	Shared	113.4 Sq Mtr	9	National Instrument Corp	Available
Geotechnical Lab	Shared	113.4 Sq Mtr	9	Dhanbad Instruments	Available
Survey Lab	Shared	113.4 Sq Mtr	10	Roorkee Drawing Inst.	Available
Transportation Lab	Shared	113.4 Sq Mtr	9	Dhanbad Instruments	Available
CAD Structural Drawing	Shared	113.4 Sq Mtr	8	CG Lab	Available

31. Number of students receiving financial assistance from college, university, government or other agencies

Sr.	Year	financial assistance agencies	Number Of student
3	2013-14	Government	3
		College (GIMET)	1
4	2014-15	Government	4
		College (GIMET)	2

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Nil

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33. Teaching methods adopted to improve student learning

- i. LCD overhead projectors
- ii. 4 Assignments per semester
- iii. Solution of assignment and rewriting by weak students

- iv. Solution of semester exam
- v. Revision of previous day lecture during first five minutes of teaching
- vi. Interaction with students during the classroom teach
- vii. Guest lectures by other department and eminent guests from premier institutions
- viii. NPTEL video films
- ix. Industrial visits and tours
- x. Models, charts and PPTs

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- a) Blood donation camp
- b) Voter ID Enrolment
- c) Tree Plantation
- d) Swachh Bharat Abhiyan

35. SWOC analysis of the department and Future plans

Strengths

- Availability of qualified and experienced staff
- Continuous progress monitoring of each student
- Monitoring of class notes and assignments
- Feedback from the students
- Interaction with parents of weak students
- Special rewards to faculty achieving the good result
- Well equipped Labs and latest software systems available

Weakness

- Low IQ of the student
- Minimum bench mark not defined at the time of admission
- Low education standard at 10th & 12th level.
- No counseling by parents and teachers for their future career
- Communication skill very poor
- Low motivation due to non availability of jobs
- Lack of involvement by parents & teachers

Opportunities

- expansion of Infrastructure, building and roads and highways sector in a very big manner
- expansion of High rise buildings
- computerization of all manufacturing industries(CAD/CAM sat/pro)
- Creating of jobs due to government policy e.g. FDI's etc

Challenges

- Survival of fittest
- Surplus availability of manpower
- Confidence level of workers is very low
- Communication level is very low
- Teaching standard is very poor

- Non availability of quality teaching staff

Future Plans

- Raising the standard of students
- Induction of quality and experienced staff
- Deciding the minimum percentage on qualifying exams at the time of admission
- Liasion with schools to ensure better standard of education
- Industrial tours outside the state
- Conducting workshops and seminars at state, national and international level