

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

1. Name of the Department : **Department of Civil Engineering**
2. Year of establishment : **1985**
3. Is the Department part of a School/Faculty of the university?
YES it is part of Faculty of Engineering & Technology of the University
4. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

S.No.	Name of the Courses	Annual Intake
1.	B. Tech. (Civil Engineering)	70
2.	M. Tech. (Earthquake Engineering)	18
3.	M. Tech.(Environmental Science & Engineering)	15
4.	Ph.D. Available	Various as per nos. of seats available (as per UGC norms)

5. Interdisciplinary courses and departments involved:
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
None
7. Details of programmes / courses discontinued, if any, with reasons :
None
8. Examination System: Annual/ Semester/Trimester /Choice Based Credit System

S. No	Name of the Programme	Examination System
1	B. Tech, M. Tech., PhD.	Semester System

9. Participation of the department in the courses offered by other departments
Yes, Department of Mechanical, Electrical, Electronics & Communication, Computer Engineering and Department of Architecture of Faculty of Architecture and Ekistics.
10. Number of teaching posts sanctioned and filled (Professors/Associate

Post	Sanctioned	Filled	Actual Positions including CAS & MPS
Professor	3	2	13
Associate Professors	10	9	5
Asst. Professors	13	13	5
Total	26	23	23

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

Ph.D./M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 Years	
					Guided during last 4 Years	Under Supervision
Prof. N. U. Khan	Ph.D.	Professor	Geotechnical	43	01	02
Prof. Khalid Moin	Ph.D.	Professor	Structures	29	03	04
Prof. Mehtab Alam	Ph.D.	Professor	Structures	28	01	03
Prof. Mohammad Shakeel	Ph.D.	Professor	Hydraulics & Groundwater	27	01	03
Prof. Gauhar Mahmood	Ph.D.	Professor	Engg. Geology	28	04	05
Prof. Shamshad Ahmad	Ph.D.	Professor	Survey & Remote Sensing	28	---	02
Prof. Farhan A. Kidwai	Ph.D.	Professor	Transportation	25	---	---
Prof. Nazrul Islam	Ph.D.	Professor	Structures	30	02	02
Prof. Quamrul Hassan	Ph.D.	Professor	Water Resources	22	---	02
Prof. Mohammad Sharif	Ph.D.	Professor	Water Resources	21	02	03
Prof. Sirajuddin Ahmed	Ph.D.	Professor	Environmental	22		08
Prof. S.M. Abbas	Ph.D.	Professor	Geotechnical	21	01	02
Prof. Naved Ahsan	Ph.D.	Professor	Environment	12	---	04
Mr. Ziauddin Ahmad	M.E.	Associate Professor	Geotechnical	27	---	---
Mr. S.M. Muddasir	M. Planning	Associate Professor	Housing	23	---	---
Dr. Asif Hussain	Ph.D.	Associate Professor	Structures	18	01	---
Dr. Kafeel Ahmad	Ph.D.	Associate Professor	Environment	12	04	06
Dr. Azhar Hussain	Ph.D.	Asstt. Professor	Water Resources	12	---	0
Dr. Akil Ahmed	Ph.D.	Asstt. Professor	Structures	10	---	---
Dr. Saif Saeed	Ph.D.	Asstt.	Water	07	---	---

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 Years	
					Guided during last 4 Years	Under Supervision
		Professor	Resources			
Dr. Mohd. Umair	Ph.D.	Asstt. Professor	Structures	12	---	---
Dr. S. Shakeel Afsar	Ph.D.	Asstt. Professor	Environment	12	---	01
Dr. Abid Ali Khan	Ph.D.	Asstt. Professor	Environment	06	---	02

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

Nil

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

S. No.	Programme	Name of Visiting/Temporary/Adjunct Faculty	Remarks
1	B. Tech. (Civil Engineering)	Dr. B.K. Singh	Ph.D.
		Ms Adeela Afreen	M.Tech.
		Ms Rabaab Siddique	M.Tech.
		Prof. Kuldeep Chander	Ph.D.
		Percentage of classes taken	15%

14. Programme-wise Student Teacher Ratio

S. No.	Name of Programme	Student Teacher Ratio
1	B. Tech (Civil Engineering)	(240/21) 15 : 1

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

S. No.	Post	Sanctioned	Filled	Actual
Academic support staff technical				
1	STA	1	1	1
2	TA	1	1	1
3	Drawing & Draftsman	1	1	1
4	Computer operator	1	1	1
5	Technician	3	3	3
6	Lab Attendant	6	5	5
Administrative Staff				
7	Store keeper	1	1	1
8	UDC/LDC	1	1	1

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

	Total	2	2	2
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16. Research thrust areas recognized by funding agencies

Broad Areas

- Structures & Earthquake Engineering
- Water Resources Engineering
- Environmental Engineering
- Geotechnical Engineering
- Transportation Engineering
- Remote Sensing & GIS

Specific Areas

- Non-destructive Testing of Structures
- Recycled Concrete
- Groundwater Resource Evaluation Study
- Feasibility and Design of Rainwater Harvesting Master Plan
- Preparation of Comprehensive Water Management Plan
- Water Resources Planning and Sustainable Development
- System Dynamics
- Remote Sensing and GIS Applications in Hydrology
- Environmental Engineering and Ground Water Management
- Water & Wastewater Engineering
- Water Quality Modeling
- Solid & Hazardous Waste Management
- Seismic Risk Assessment using Satellite Data & GIS
- Fly ash utilization, Soil waste interaction, Landfill
- Sustainable development,
- Constructed wetlands and other natural wastewater treatment technologies,
- Recycling & Reuse of wastewater
- Urban utilities and services
- Climate Change

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 and grants received project-wise. Total amount = Rs 279.36 lakhs

Ongoing Research Projects

National/ International	S. No	Title	Funding Agency	Funding Amount (Rs in lacs)	Duration
NATIONAL	1.	Study of Seismic Performance Based	University Grants	144.36	2014-2015

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

		Design of Building Structures	Commission		
	2.	Life Prediction & Seismic Safety of Masonry Buildings PI: Prof Khalid Moin	All India Council For Technical Education	14.20	
	3.	Seismic Assessment and Safety of Masonry Building PI: Prof Khalid Moin	UGC	43.15	
	4.	Development of Reinforced Interlocking Hollow Block System for Earthquake Resistant Construction Using Industrial Waste. PI: Prof Khalid Moin & Dr Asif Husain	Building Material & Technology Promotion Council, Ministry of Housing & Urban Poverty Allevation, GOI.	13.47	
	5.	Design of Concrete Mixes Using Dismantled Concrete Aggregates PI: Prof Mehtab Alam	AICTE	15.10	2011-2011
	6.	Quality Assessment Study for the Raising and strengthening of Embankment of River Yamuna from Nizamuddin Railway Bridge to Road Bridge. PI: Prof. Sirajuddin Ahmed	Irrigation and Flood Control Department, Govt. of NCT of Delhi	6.0	2010-2011
	7.	Water Supply Performance Evaluation Under Indira Gandhi Water Supply Scheme, Gurgaon, Haryana PI: Prof. Sirajuddin Ahmed	HUDA , Haryana Government	2.9	2010-2011
	8.	Pilot Plant Design,	Research &	9.0	2009-2011

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

		Operational Supervision And Performance Evaluation of Sub Surface Root Zone Treatment System For Secondary Treatment Of Effluent From Steel Industry PI: Prof. Sirajuddin Ahmed	Development Centre for Iron & Steel, (RDCIS) Steel Authority of India Limited		
	9.	Development of Research Infrastructure in the field of Environment Coordinator: Prof. Sirajuddin Ahmed	D ST, Ministry of Science & Technology Govt. of India,	77	2008-201.
	10.	Technology Assesment & Technology Forecasting for the Sectoral use of Flyash Co-PI: Prof. Sirajuddin Ahmed	Department of Science & Technology, Govt. of India,	16.0	2011-201.
	11.	To assess the impact of presence of Septic Tank on Groundwater and spread of Water Borne Diseases and to identify means to solve the problems created by the Waste Water in Balrampur District in Uttar Pradesh PI: Prof Gauhar Mahmood	Indian National Committee of Hydrology (INCOH), Ministry of Water Resources	10.04	
INTERNATIONAL		<i>NIL</i>			
TOTAL				Rs 206.86 lakhs	

Projects completed:

NATIONAL/ INTERNATIONAL	S. No	Title	Funding Agency	Fundin g Amount	Duration
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**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

				(Rs in lacs)	
NATIONAL	a)	Performance Evaluation of Water Supply Augmentation for Mewat District, Haryana PI: Prof. Sirajuddin Ahmed	Public Works Department Palwal, Haryana	3.5	2009-2009
	b)	Feasibility Study for Zero Discharge and Zero Solid Waste Disposal of Five Stars Hotel in Delhi PI: Prof. Sirajuddin Ahmed	Ministry of Environment Govt. of Del	9.7	2008-2009
	c)	Study of Leachate Movement (Trace elements) through Vadose zone PI: Prof. Sirajuddin Ahmed	D ST, Ministry of Science & Technology Govt. of India,	8.5	2003-2007
			Sub-total	Rs 21.7 Lacs	
INTERNATIONAL		NIL			
TOTAL				21.7 Lacs INR	

18. Inter-institutional collaborative projects and grants received

	Project	Name of Funding agency	Funding Amount (Rs in lacs)
NATIONAL	a) Pilot Plant Design, Operational Supervision And Performance Evaluation of Sub Surface Root Zone Treatment System For Secondary Treatment Of Effluent From Steel Industry PI: Prof. Sirajuddin Ahmed	Research & Development Centre for Iron & Steel, (RDCIS) Steel Authority of India Limited	9
	b) Feasibility & Design of Rainwater Harvesting Master Plan of Municipal Corporation of Gurgaon (MCG) Area PI: Prof. Gauhar	Municipal Corporation of Gurgaon	19.90

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

	Mahmood		
	c) Comprehensive Water Management Plan for Haryana Urban Development Authority (HUDA) Pinjore Township at Haryana, sponsored Haryana Urban Development Authority (HUDA) PI: Prof. Gauhar Mahmood	Haryana Urban Development Authority (HUDA)	17.20
	d) Comprehensive Water Management Plan for Escorts Limited, Sector-13, Faridabad, sponsored by Escorts Limited PI: Prof. Gauhar Mahmood	Escorts Limited, Faridabad	7.20
INTERNATIONAL	Department of Civil Engg, University of Applied Sciences, Erfurt, Germany Coordinator- Prof. Khalid Moin	DAAD	Local Hospitality and stay arrangements for two Faculty Members and Eight students of Civil Engg. Department at Germany.
Total		Sub-Total	Rs 53.3 lakhs

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

S. No.	Type	Title	Funding Agency	Funding (Rs in lakhs)	Year
1.	RPS	Design of Concrete Mixes Using Dismantled Concrete	AICTE	15.10	

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

		Aggregates PI: Prof Mehtab Alam			
2.	FIST	Development of Research Infrastructure in the field of Environment Coordinator: Prof. Sirajuddin Ahmed	D ST, Ministry of Science & Technology Govt. of India,	77	2008-2013
3.	RPS	Life Prediction & Seismic Safety Of Masonry Buildings. PI: Prof. Khalid Moin	AICTE	14.20	2009-2012
4.	SAP	Seismic Assessment and Safety Of Masonry Building. PI: Prof. Khalid Moin	UGC	43.15	01.04.2009-31.03.2014
5.		Development of Reinforced Interlocking Hollow Block System for Earthquake Resistant Construction Using Industrial Waste. PI: Prof. Khalid Moin & Dr Asif Husain	Building Material & Technology Promotion Council, Ministry of Housing & Urban Poverty Alleviation, Govt. of India.	13.47	August 2008 - Feb 2010
6.	RPS	Fusion of satellite data for urban features extraction PI: Prof. Shamshad Ahmed & S M Muddassir	AICTE	9.5	
7.		Indira Gandhi Drinking Water Scheme: A case study on its impact on public health in scheduled caste population in various villages in Haryana PI: Prof. Sirajuddin Ahmed & S M Muddassir	PHED, Haryana	2.93	2009-10
8.		“Strengthening of infrastructure” scheme of UGC for the Department of Civil Engineering, JMI, New Delhi. Coordinator: Prof Quamrul Hassan	UGC	20	2009-10
9.		Modernization of Engineering Geology Laboratory	AICTE	15	

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

		Prof Gauhar Mahmood			
10.		Post buckling analysis of sandwich beams with functionality graded faces using a consistent higher order theory	DSR, SAU, KSA	6.668	2012-14
			Total	Rs 210.35 lakhs	

20. Research facility / centre with

- State recognition :
Yes
- National recognition :
Yes
- international recognition:
None

Prof. Khalid Moin - Developed a modern Concrete Laboratory including NDT facilities with special funding under SAP from UGC

Prof. N. U. Khan - Developed a well established SOIL MECHANICS Laboratory with special funding from AICTE under the scheme of Modernization and Removal of Obsolesce

Prof. Q Hassan & Prof. K Moin : Developed well equipped CAD laboratory of the Department

Prof. Sirajuddin Ahmed: Developed a state of art national level Environmental Engineering Laboratory with special funding from AICTE, UGC and DST.

21. Special research laboratories sponsored by / created by industry or corporate bodies:

None

22. a). Publications: & Research Papers

S.No.	Item	Details
1.	Number of papers published in peer reviewed journals (national / international) & conferences. Number of Citation of Papers	Journal Papers: 151; Conference papers: 132; Total Citations: 1400
2.	Monographs	1
3.	Chapters in Books	16
4.	Edited Books	4
5.	Laboratory Manuals	NIL
6.	Articles in magazines/papers	15
7.	Editorials	1
8.	Books with ISBN	5
9.	Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO	Please see Annexure

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

	host, etc.)	
10.	Citation Index – range / average	Please see Annexure
11.	SNIP	Please see Annexure
12.	SJR	Please see Annexure
13.	Impact Factor – range / average	0.3 – 5.60
14.	h Index	7

S. No.	Name	h – Index	No. of Papers in Journal	Citation Index Range	Impact Factor Range	No. of Papers in Conference
1	Prof. N U Khan	NA	03	NA	NA	03
2	Prof. Khalid Moin	1	05	03	NA	15
3	Prof. Mehtab Alam	NA	05	NA	0.692	05
4	Prof. Shamshad Ahmad	5	03	33	2.51	02
5	Prof. Farhan A Kidwai	4	01	40	NA	Nil
6	Prof. Nazrul Islam	4	19	47	NA	26
7	Prof. Quamrul Hasan	1	10	19	NA	02
8	Prof. M. Sharif	7	25	559	0.79-2.6	14
9	Prof. Sirajuddin Ahmed	2	12	35	0.3-2.71	18
10	Prof. S.M. Abbas	3	07	39	NA	Nil
11	Prof. Naved Ahsan	2	14	19	NA	01
12	Mr. S.M. Muddassir	NA	NA	NA	NA	02
13	Dr. Kafeel Ahmed	7	31	528	1-2.8	08
14	Dr. Azhar Husain	NA	7	10	0.5-1.25	07
15	Dr. Akil Ahmed	NA	5	NA	NA	05
16	Dr. Saif Said	2	3	12	1.3-1.48	11
17	Dr. Mohammad Umair	NA	1	NA	Nil	01
18	Dr. S. Shakil Afsar	NA	01	NA	NA	03
19	Dr. Abid Ali Khan	04	18	66	0.800 – 5.600	15

Please see Annexure – ERD I: Publications

23. Details of patents and income generated:

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

Nil

24. Areas of consultancy and income generated = Rs
416.0 lakhs

Areas of Consultancy

(a) Income Consultancy

- Soil Testing , Soil Treatment, Bearing Capacity, Embankment Design
- Proof Checking, Structural Designs, Expert Opinions for Retrofitting of Structures
- Design of Concrete Mixes, Design of Buildings including those of Economically Weaker Section, Proof Checking of Structural Designs/ Design Vetting, Health Monitoring of Buildings and Third Party Quality Assessment of Construction Works
- Pumping Test Data Analysis, Rainwater Harvesting, Design of Ranny well
- Building And Bridge Consultancies
- Flood Estimation and Hydrological Modeling
- Adequacy OF ETP, Design of STP and ETP, Design of Ranney Well, Assessment of Hydro geological Parameters, Design of Urban Utility e.g. Water Supply network, sewerage collection system, Rainwater Harvesting, Total Water Management Water Reuse, Air pollution control System and Noise Control.
- Transition Curve Design & Approach Slab, Structure Design of Culvert, Concrete Mix design
- Air Quality Modeling/Control, Water/Wastewater Treatment, Solid Waste Management
- Pavement design, Public Transit, Transportation Planning,
- Pre-feasibility study of Proposed ISBT

(b) None Income Consultancy

Quality Control of Educational System, Setup of New Education Institutes

Year	2008	2009	2010	2011	2012	2013	2014
Income from Consultancy (Laks)*	41.0	43.0	52.0	48.0	12.0	104	116

*These values are approximate

25. Faculty selected nationally/ internationally to visit other laboratories in India and /abroad.

S. No.	Faculty	Laboratories Visited
1.	Prof. N. U. Khan	Member of the delegation for Educational MOU of the Jamia Millia Islamia to King Abdul Aziz University (KAU), Jeddah, Saudi Arabia on invitation of Consul General of India, Jeddah KSA.
2.	Prof. Khalid Moin	Annually visiting University of Applied Sciences, Erfurt, Germany under DAAD Exchange programme (for last 06 years) to deliver the expert lectures on EQ Engineering

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

3.	Prof. Quamrul Hassan	GIS and Remote Sensing Laboratory", Majmaah University (2010-11) – approved by the university and is being established. Building Material and Insulation Laboratories University of Erfurt, Germany under DAAD in 2007.
4.	Prof. Mohd Sharif	Selected by Commonwealth Commission, United Kingdom to visit Water Resource Systems Research laboratory at the Newcastle University, UK in 2010
5.	Prof. Sirajuddin Ahmed	Building Material and Insulation Laboratories UNIVERSITY of ERFURT Germany 2010 and 2012 under DAAD Exchange Programme Department of Civil Engg. Fatih University , Turkey Department of Civil Engineering , University of New Mexico, USA Asian Institute of Technology , Bangkok , Thailand Department of Civil Engg. University of Southampton UK
6.	Dr. Asif Husain	Associate Professor, in Civil Engineering, Department of Civil Engineering, College of Engineering and Islamic Architecture, Umm Al-Qura University, Makkah, KSA (04.07.2011 – 14.06.2014)

26. Faculty serving in

a) National committees

S. No.	Faculty	Laboratories Visited
1.	Prof. N. U. Khan	Member of National Experts Committee on Technical Education Quality Improvement Program of Government of India (TEQIP), Program funded by World Bank UGC nominee on the board of governors of Walch and Engg College Sangli. M.P.
2.	Prof. Mehtab Alam	Member of Monitoring Committee for the growth and development of the infrastructure proposed for Central University Jharkhand, Ranchi. Member Task Force, Department of Resource Management and Design application, Lady Irwin College, University of Delhi, Delhi. External member, Departmental Research Committee, Building Engineering and Management, School of Planning and Management, Delhi
3.	Prof. Gauhar Mahmood	Board of Studies- Landscape Architecture Department of School of Planning & Architecture, ITO, New Delhi Board of Studies- Mahaveer Teerthankar University, Moradabad

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

4.	Prof. Quamrul Hassan	AICTE Expert Committee Member of National Board of Accreditation (NBA)
5.	Prof. Mohd Sharif	Member, Selection Committee, Jharkhand Central University, Ranchi. Member, Selection Committee, ICE, Gautam Budh Nagar, UP
6.	Prof. Sirajuddin Ahmed	Member of National Experts Committee on Ganga Water Quality” Ministry of Environment and Forest Government of India Member of National Experts Committee on Steel Industry Effluent Treatment” Ministry of Iron and Steel Government of India Jamia nominee for META UNIVERSITY projects Ministry of Human Resources and Development Government of India

b) International committees

S. No.	Faculty	Laboratories Visited
1.	<u>Prof. Quamrul Hassan</u>	Member of Quality Group and Head of Academic Accreditation, College of Engineering, Majmaah University KSA Member of Curriculum Development Group, Department of Civil Engineering, Majmaah University, KSA

c) Editorial Boards

S. No.	Faculty	Laboratories Visited
1.	Prof. N. U. Khan	Advisory Board Invertis Journal of Science & Technology
2.	Prof. Quamrul Hassan	Referee to International Journals Global Journal of Flexible Systems Management Referee to International Journals African Journal of Environmental Science and Technology
3.	Prof. Mohd Sharif	International Journal of Earth Sciences and Engineering
4.	Prof. Sirajuddin Ahmed	Referee to Journal of Waste and Resources Management Referee to Institution of Civil Engineers (UK) Referee to Indian Journal of Engineering & Materials Sciences

d) Any other (please specify)

Prof. N. U. Khan

- (i) External Member of the Board of studies of University of Polytechnic, AMU, Aligarh
- (ii) External Member of faculty committee, Faculty of Engineering and Technology, AMU, Aligarh

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

- (iii) Member of Experts Panel of All India Council for Technical Education (AICTE)
- (iv) Member of Building Committee. Jamia Hamdard University, New Delhi
- (v) External Member of the Board of studies of Department of Civil Engineering, NIT Jalandhar
- (vi) President Jamia Teachers Association since May 2008 to May 2010
- (vii) Member of Building Committee of Jamia Hamdard, (University)

Membership of Professional/Learned Bodies/Societies

- (i) Life Member -Indian Geotechnical Society
- (ii) Life Member- International Geotechnical Society
- (iii) Life Member -Delhi Chapter of Indian Geotechnical Society
- (iv) Life Member -Indian Society for Technical Education
- (v) Member-The Institute of Engineers

Prof. Khalid Moin

- (i) Member of the expert committee of University Grants Commission (UGC) for granting approval of University status.
- (ii) Member, Academic Council, Mewar University, Ajmer
- (iii) Member of Building Committee, Zakir Hussain college, DU
- (iv) Life member and Chairman, Indian Society of Earthquake Technology (ISET) Delhi Chapter
- (v) Member, Board of Management, Guru Govind Singh Indraprastha University, Dwarka, New Delhi
- (vi) Member, Finance Committee, Guru Govind Singh Indraprastha University, Dwarka, New Delhi
- (vii) Member, Board of Studies, Department of Civil Engineering, Delhi Technical University (DTU), Bawana Road, Shabad - Daulatpur, Delhi
- (viii) Member, College Governing Body, Zakir Hussain Delhi College (DU) New Delhi
- (ix) Member, of the Expert Committee of University Grant Commission (UGC), for proving financial support to colleges and university teachers for undertaking Major Research Projects

Prof. Mehtab Alam

- (i) External Member of the Board of studies of Civil Engineering Department, Faculty of Engg and Tech, AMU, Aligar
- (ii) External Examiner of the Research Committee of Department of Civil Engineering, NIT Jalandhar

Membership of Professional/Learned Bodies/Societies

- (i) Life Member -Indian Society for Technical Education
- (ii) Life Member of Indian Society of Earthquake Technology

Prof. Shamshad Ahmad

- (i) Indian Society for Technical Education (ISTE), India.
- (ii) Indian Society for Remote Sensing (ISRS), India

Prof. Quamrul Hassan

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

- (i) Life member of Indian Society for Technical Education (ISTE), Delhi
- (ii) Life member of Indian Water Resources Society (IWRS), Roorkee, India
- (iii) Founder Member of Indian Society of Environmental Management (ISEM) (an NGO)
New Delhi

Prof. Sirajuddin Ahmed

- (i) Jury member of " Natural Environment Research Council (NERC), UK (2011)
- (ii) The First Annual International Sustainable World (Energy, Engineering & Environment) Project Olympiad (ISWEEPP-08), HOUSTON USA (2008)
- (iii) International Environmental Project Olympiad (INEPO) Fateh University, Istanbul (2006)
- (iv) Trans boundary Water issues of India and Russia : A tele conference Russian Embassy (3 October 2011)
- (v) TV Talk on " Urban Flooding and Drainage System" _ STAR NEWS (22 July 2011)
- (vi) Guest of Honour Meerut University World Env. Day 2011 (5 June 2011)
- (vii) Emerging Environmental Issues in 12th Refresher Course in Geography & Environmental Studies Organized by Academic Staff College Jamia Millia Islamia New Delhi (18th January 2010)
- (viii) Preside and convene a technical session titled " Community and Technology-based Education (COS-5)" on August 3rd 2009 at International Conference and 94th Annual Meeting of Ecological Society of America, Albuquerque, NM, USA (3th August 2009)
- (ix) *Green Technology and Sustainable Development*, Key note Address on World Environment Day Institute of Engineers and UP Pollution Control Board, Ghaziabad UP (5th June 2009)
- (x) *Application of CW for Possible Tertiary Treatment of Steel Industry Effluent: Research & Development* Centre for Iron & Steel, (RDCIS) Steel Authority of India Limited, Ranchi (15th July 2008)

Membership of Professional/Learned Bodies/Societies

- 1 Fellow Member: Wessex Institute UK
- 2 Life Member: Institution of Engineers INDIA
- 3 Life Member: Indian Society for Environmental Management INDIA
- 4 Life Member: Indian Society for Technical Education INDIA
- 5 Member: Ecological Society of America (USA)

Mr. S M. Muddassir

- (i) Associate, Institute of Town Planners (India)
- (ii) Life Member, Indian Association for Environmental Management, Nagpur
- (iii) Life Member, Indian Society of Environmental Management, New Delhi

Dr. Kafeel Ahmad

- (i) Life member of Indian Association of Air Pollution Control
- (ii) Executive Board Member of Indian Association of Air Pollution Control Journal

Dr. Azhar Hussain

- (i) Life member of Indian Water Resource Society (IWRS), Roorkee

Dr. Saif Said

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

- (i) Life member of Institution of Engineers IE (National Level)
(ii) Associate member of Water Resource Society (WRS, Roorkee)

27. Faculty recharging strategies

Please see Annexure – EDR II: Faculty Recharging Strategies

28. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects :
About 90 per cent
- Percentage of students doing projects in collaboration with other universities/ industry / institute :
About 10 percent

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

- Doctoral / post doctoral fellows
- Students

Faculty Member	Name of the Award	Awarding Authority	Year and other details
Prof. Shamshad Ahmad	Award for Praise-Category: Publication of Article in Journal	University of Science Malaysia	24 March 2009
	Award for Praise-Category: Publication of Article in Journal	University of Science Malaysia	24 March 2009
Prof. Mohammed Sharif	CFCAS fellowship	University of Waterloo, CANADA	2003-2004
	Robert Carr Prize	Best Publication in the Journal of Water Resource Management published by International Water Association, United Kingdom	2005
	Commonwealth Academic Staff Fellowship	Newcastle University United Kingdom	2010
	Visiting Faculty to Asian Institute of Technology, Thailand	Ministry of Human resource Development	2009
Prof. Sirajuddin Ahmed	Young Scientist Research Award	Department of Science & Technology (Govt. of India)	2003
Dr. S M Abbas	Excellent IJOG Paper Award	IACMAG	(Presented at Goa in Oct 2008 during the Int. Conference of

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

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

S. No	Name of Organizing Faculty	Name of the conference / seminar /workshop	Funding & sponsoring authorities	Year	Remarks
1.	Prof. Khalid Moin	Seismic Assessment and Safety Of Structures-I.	UGC	March 2010	Experts from IIT Delhi and IIT Roorkee delivered Key Note Lectures
		Seismic Assessment and Safety Of Structures -II.	UGC	March 2011	Experts from IIT Delhi and IIT Roorkee delivered Key Note Lectures
		Seismic Assessment and Safety Of Structures -III.	UGC	March 2012	Experts from IIT Delhi and IIT Roorkee delivered Key Note Lectures
		Seismic Assessment and Safety Of Structures -IV.	UGC	March 2013	Experts from IIT Delhi and IIT Roorkee AND GHRMD, NIDM delivered Key Note Lectures
2.	Dr. S M Abbas	National Conference of Geotechnical and Structural Aspects of Earthquake Engineering	DST , HUDCO and NOIDA Authority	2007	
3.	Prof. Gauhar	Rainwater Harvesting	Municipal	13 th	

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

	<u>Mahmood</u>	Master Plan	Corporation of Gurgaon (MCG),	April, 2010	
		Feasibility and Design of Rainwater Harvesting System”	IRRP	20 th August, 2010	
4.	Prof. Shmashad Ahmad	Conference on <i>Remote Sensing and GIS for Environmental Management (RSGIS-EM2010)</i>	MoWR, DST	2010	
5.	Prof. Sirajuddin Ahmed	Workshop on Sustainable Development	NIDM, Ministry of Agriculture, Govt. of India	2007	
6.	Dr. Azhar Husain	National Conference on Water Resources Management - Achievements & Challenges (WRM-A&C-2014),	DST, CSIR	2014	Expert from DST/ GWB key note lecture
7.	Dr. Saif Said	National Conference on Water Resources Management - Achievements & Challenges (WRM-A&C-2014),	DST, CSIR	2014	Expert from DST/ GWB key note lecture

31. Code of ethics for research followed by the departments

University has its ordinance for its academic programs for UG, PG and Ph.D. which the Department adhered to.

32. Student profile course-wise:

Name of the Course (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. Tech. (Env.)	49.3	8.7	42	
M. Tech. (EQ)	55.5	2.8	40.7	
PHD	35.3	11.76	44.11	8.8

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

33. Diversity of students: Admission is based on all India level competitive examinations.
34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

GATE: About 20-25% students qualify GATE every year. This information is based upon interaction of students with Students' Advisors. Application form to appear in GATE does not need forwarding by Head or Dean. Therefore records of students appearing and qualifying in GATE is not available in the Department.

A few students are qualifying IES every year. However, no student from the Department has cleared civil services examination.

35. Student progression

Student progression		Percentage against enrolled
UG to PG		About 20%
PG to M.Phil.		NA
PG to Ph.D.		About 20%
Ph.D. to Post-Doctoral		NA
Employed	Campus selection	2011-12 = 67% 2010-11 = 90% 2009-10 = 70% 2008-09 = 26% 2007-08 = 95%
Entrepreneurs	Other than campus recruitment	About 10%

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	30 %
from other universities within the State	NIL
from universities from other States	70%
from universities outside the country	NIL

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period

- (i) Dr. Syed Shakil Afsar
- (ii) Dr. Azhar Husain
- (iii) Dr. Mohammad Umair

38. Present details of infrastructural facilities with regard to

- a) Library: University's Central Library and Faculty of Engg. & Technology's Library
- b) Internet facilities for staff and students: To all

c) Total number of class rooms: Classrooms = 05, Tutorial rooms = 02

d) Class rooms with ICT facility: 100%

- e) Students' laboratories:

- (i) Hydraulics Laboratory

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

- (ii) Building Materials and Concrete Laboratory
 - (iii) Structures Laboratory
 - (iv) Geotechnical Engineering
 - (v) Transportation Engineering
 - (vi) Surveying & Remote Sensing
 - (vii) Engineering Geology
 - (viii) CAD laboratory
 - (ix) Environmental Engineering
- f) Research laboratories
- (i) Structure-Earthquake laboratory
 - (ii) Environmental Engineering Laboratory
 - (iii) Building Material and Concrete Laboratory
39. List of doctoral, post-doctoral students and Research Associates :
- Please see Annexure – ERD III: List of Doctoral, Post-Doctoral Students and Research Associates etc.
- a) From the host university
 - b) From other universities
40. Number of post graduate students getting financial assistance from the university.
- None
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
- Based upon the interaction with industry, alumni and visiting dignitaries to the Department, the need for human resources development in the area are identified. Subsequently, government policy in these areas and courses offered in the areas are assessed. Then a detailed proposal is prepared for the approval of the competent bodies of the university and outside such as AICTE and UGC.
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. The observations of the subject teacher on the curriculum in the light of syllabi of GATE, IES, IAS etc are discussed in the Departmental meeting and accordingly syllabi are revised.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Yes. Both mode of feedback i.e. formal and informal are being practiced in the Department. Student representative of all the classes, Members of subject Association of the Department have regular meetings with HOD and if required necessary action is taken according to their observations and feedback.
 - c. Alumni and employers on the programmes offered and how does the department utilize the feedback?
Senior alumni and employers' representative are regularly invited to share their feedback to make necessary updating on course contents/projects.
-

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

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

S. No.	NAME	Designation	Organization
1.	Anshu Gupta	GM	L&T -North India
2.	Sanjeev Rajora	Entrepreneur	Rajoora Enterprises Builders
3.	Sanjeev Goyal	President	Gispro, California, USA
4.	Aayush Kumar	IES,	Indian Railways
5.	Vikram Pant	IES	Indian Railways
6.	Samina Raja	Associate Professor	University of Buffalo USA
7.	Mansoorul Haque	Entrepreneur	MSS Enterprises Pvt Ltd
8.	Upendra Giri	Entrepreneur	Astrowis, Corporate Enterprise
9.	Mohd Nadeem	Entrepreneur	Skyline Builders
10.	Md. Parwaiz Alam	Entrepreneur	Alsai Construction, Inc 2712 Satsuma Drive, Suite # 100 Dallas, USA

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

Please see Annexure – ERD IV: Details of Students Enrichment Programmes

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

- Interactive teaching methodologies complemented by adaptation of ICT tools say power point, learning materials from net etc.
- Transparencies were prepared for delivering lecture to students
- Encouragement to Self Learning and exploration, Visit to relevant Engineering Sites, Regular Presentation and subject Quizzes
- The teaching method practiced is balanced blend of conventional chalk & talk and slide show. Students at UG level are encouraged to learn subject through discussions subject quizzes. Assignment and tutorials are integral part of UG and PG level students. AT PG level more emphasis is given on and explorative learning. Educational tours and Industrial visits are integral part of the course curriculum.
- Use of ICT in Tutorial/Lab process with computer-aided methods like Power-Point/ Multimedia/Simulation/Software etc.
- Participatory and Innovative Tutorial/Lab Process with material for problem based learning, case studies, group discussions etc.

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

The program objectives are the broad statements that describe the career and professional accomplishments that our program is preparing graduates to achieve. Our engineering program objectives are aimed at making contribution to the society through the use of engineering and technology. These objectives have been established consistent with the

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

mission of the department, the goals of the engineering program and the broad guidelines for professional engineering. Our civil engineering department program objectives are;

- Our graduates will function ethically and responsibly
- Our graduates will apply their knowledge and skills to succeed in their career
- Our graduates will endeavor to advance their knowledge or obtain an advanced degree, if interested
- Our graduates will successfully function in multi-disciplinary teams
- Our graduates will apply relevant software and computing skills to achieve efficiency in the execution of tasks assigned to them
- Our graduates will be proud of their almamater

Outcomes are the items that we evaluate in our graduates to insure that we are meeting our objectives. Various instruments being used to monitor the objectives of the programs run by the department include student surveys and informal interactions, assessment of coursework relevancy, interaction with alumni and industry, and collaboration with various professional engineering organizations. Based on this evaluation, strengths and opportunities in the program are identified. The implementation of the correction process is closely monitored by the decision making bodies such as the Board of Studies of the department. Students graduating from the civil engineering department at the Faculty of Engineering and Technology are expected to possess the following skills

- Ability to apply knowledge of engineering and applied science
 - Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
 - Ability to design and conduct experiments, as well as to analyze and interpret data
 - Ability to design infrastructural and other components
 - Awareness towards mitigation of environmental issues
 - Ability to function in multi-disciplinary teams
 - Ability to work cordially with peers in professional manner
 - Ability to identify, formulate, and solve engineering problems
 - Understanding of professional and ethical responsibility
 - Ability to communicate effectively
 - Recognition of the need to engage in life-long learning process
 - Knowledge of contemporary social and political issues
47. Highlight the participation of students and faculty in extension activities.
- Site visits of the students and faculty
 - consultancy work by the faculty
 - summer training and educational tour
 - special lectures delivered by faculty members
48. Give details of “beyond syllabus scholarly activities” of the department.
- Workshop/seminar/extension lecture/field visit
 - Research and consultancy
 - We involve them in workshops / seminars / extension lecture / industrial visit. / consultancy. They are also attached with faculty for their research work.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes,

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

give details.

Yes

TCS ranked us B

TIMES group ranked us in top 25 in 2012

OUTLOOK ranked us at 12 in India in 2011

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

- One of fundamental findings of the research area is in the assessment of India's utilizable water resources potentials which was assessed grossly overestimated.
- Govt, experts spar over water stats-India-The Times of India, Times of India, New Delhi, July 4, 2008
(http://timesofindia.indiatimes.com/India/Govt_experts_spar_over_water_stats/articleshow/3194906.cms)
- 'Govt overestimated water availability'-India-The Times of India, Times of India, New Delhi, October 27, 2008
(http://timesofindia.indiatimes.com/India/Govt_overestimated_water_availability/articleshow/2493862.cms)
- Research scholars are working on various challenges of Environmental Engineering faced in sustainable development. The outcome of these studies can be for the protection of environment and conservation of perishable resources.
- Prepared MS excel spread sheets for sewerage system design
- Developed urban road traffic noise prediction model
- The department has contributed in generation of knowledge through strong focus on research and publication both by student and faculty.

51. Detail any five Strengths, weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

Faculty

Highly qualified and dedicated faculty that takes personal interest in education and career of the students and their success. More than 90 percent of the faculty are PhD degree holders from institutes of repute like IITs and foreign universities abroad. Revision of course structure and syllabus is regularly carried out in consultation with the experts from the industry, alumni and other institutions of repute.

Laboratories and Research

Department has established state of the art experimental facilities and laboratories in 11 different fields of Civil Engineering. It has received the prestigious funding under FIST from DST and SAP from UGC. The Department has mobilized more than Rs 226 lacs from various external agencies to carry out research in cutting edge technologies in different fields of Civil Engineering.

Consultancies Work

The faculty renders technical advice to various Government and Private Sector companies on challenging engineering problems. These projects are effectively used as training desk for our students at undergraduate and postgraduate levels. The

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

Department has generated around Rs 227 lacs through consultancies during the last five years.

Students and Alumni

All eligible students are placed through campus recruitment in leading MNCs and public sectors. Many students have been selected in Indian Engineering Services. Several of our alumni have pursued higher education in USA, UK, Germany, Canada, Australia and France and have been appointed as consultants and faculty members abroad.

Image

With the historical record of more than 25 years of quality education and conducive environment of learning and research, the department has been recognized as an institute of repute of national fame. The ranking of our institute has significantly improved over last few years.

Weaknesses

Infrastructure

Paucity of funds and faculty positions to introduce new postgraduate course. Shortage of funds needed for up-gradation of existing laboratories, and establishment of newer ones. Lack of required building infrastructure and equipment.

Lack of incentive

Faculty should be given incentives for conducting high quality research work and perks should be provided as per IIT and AICTE norms. The good services and research should be acknowledged. Lack of funding for international exposure of faculty members.

Lack of industry-academia partnerships

Lack of adequate Industry-Institute Interaction, academia partnerships. Potential for bilateral/ multilateral collaboration has not been fully harnessed strengthening of industrial training programme at undergraduate level.

Lack of flexibility in scheme

Credit transfer, accumulation facilities should be introduced in line with international practices. No encouragement for interdisciplinary study.

Students Profile

Most of our students are from under privileged class. Their exposure is limited so is the overall personality, which may be a stumbling block for appropriate placement of students.

Opportunities

New Academic programme

There is large demand for specialized engineers / professional as per industry requirement. This can be achieved through interdisciplinary courses and flexible syllabi. We can play a major role in the development of national infrastructure by offering new programs in associated areas like Construction Management, Transport planning, Urban Engineering, Structural Engineering, Environmental Management.

Consultancies Work

The growing economy of India will create gigantic opportunity for both students and _____ faculty to act as solution provider for challenging problems of Civil engineering. This _____

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

will generate and bring good name to the Department and University. The financial grants received in the form of Consultancy and research projects may be utilized to enrich the Departmental Library and Laboratories as well as to provide suitable facilities to the faculty members required to carry out research and development activities.

Enhanced Industry Interaction

Need for active collaborations with top renowned Engineering Institutions and industry for teaching research and consultancy. Location of the university in the capital, provides distinctive opportunity for greater Industry-Institute interaction and rich industrial training

Ranking of the faculty

Academic ranking of the Faculty of Engineering and Technology can be further improved.

Entrepreneurship and Technology Incubation

Technology incubation centers can be developed in close interaction with the industry. With the growth of infrastructure there is a large scope of entrepreneurship programs. Students can also be guided to be a job provider than a job seeker.

Challenges

Faculty

Biggest challenge is to attract high quality faculty to fill up existing vacancies in the department.

Perception

Attachment of the department and the University among the general public needs to be disseminated by regular media coverage.

Growing Technology

To cope with the rapid change in technology, regular upgradation of syllabus, lab-equipments and skills of faculty is essential. If not addressed persistently, it may adversely significantly affect education of students, and their employability.

Upcoming institutes

Awareness among youth for huge potential of bright career and to motivate them to pursue civil engineering profession.

Potential Realization

Global universities and new private universities may attract good faculty and students.

52. Further plans of the department.

(i) Strengthening of Research Infrastructure and Removal of obsolescence.

- Enrichment of Library by subscribing International Journals, procurement of Software, removal of obsolescence as well as strengthening of laboratories.
- Establishing of weather stations.
- Conductive Working place of Research Students and faculty members.
- To improve the quality placement opportunity for students.
- To register patents.

(ii) New Postgraduate Courses

The mission of the department of civil engineering is to produce morally conscious and

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

highly competent engineers; conduct internationally recognizes research and provide quality professional and community service to the people. To achieve these objectives, the department would endeavor to update it's under graduate curriculum regularly in consultation to introduce new post graduate courses in the following area.

- Structural Engineering
- Water resources management
- Geotechnical engineering
- Construction management,

We are also planning to establish center of excellence in the area of sustainable water resources development, system studies, climate change and environmental management. The thrust of the proposed courses in the area of water resource management shall be on meeting the demands of the society for sustainable and effective utilization of available water resources. Evaluating the impacts of climate change on water resources shall be a major area of research.

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING
ERD-II – Faculty Recharge Strategies**

DEPARTMENT OF CIVIL ENGINEERING

Faculty members are encouraged to attend the staff development programmes and Short term advanced courses organised by various institutes of higher learning.

Faculty members have attended various National and International conferences and workshop and interacted with experts of international fame.

Department has organized a training programmes for Staff of Food Corporation of India, various municipalities and other organisations.

Faculty members	Title	Organisation	Duration
Prof. Mehtab Alam	E- Learning in Higher Education	Academic Staff College, Jamia Millia Islamia	4-9 January 2010
Prof. Khalid Moin	E- Learning in Higher Education	Academic Staff College, Jamia Millia Islamia	4-9 January 2010
	Annual Academic Exchange Programme	DAAD Supported University of Applied Science s, Erfurt, Germany	2005-2013
Prof. Quamrul Hassan	Conducting Academic Audit	Internal Quality Assurance Cell(IQAC), JMI	24-25 th April 2012
Prof. Mohd Sharif	E-Learning in Higher Education	Academic Staff College, Jamia Millia Islamia	4-9 January 2010
Prof. Sirajuddin Ahmed	E- Learning in Higher Education	Academic Staff College, Jamia Millia Islamia	4-9 January 2010
	Annual Academic Exchange Programme	DAAD Supported University of Applied Science s, Erfurt, Germany	2009-2013
Dr. SMA bbas	Modern Building Materials and Sustainability in construction	NITTTR, Chandigarh	21-25 May, 2012
	Annual Academic Exchange Programme	DAAD Supported University of Applied Science s, Erfurt, Germany	2009-2013
Mr. S M Muddassir	Orientation Programme	Academic Staff College, JMI, New Delhi	3rd April to 2 nd May 2008

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

Dr. Azhar Hussain	Recent Advances in Electric Power and Energy Systems	Department of Electrical Engineering, Jamia Millia Islamia, New Delhi	December 09 – 22, 2011.
	Application of Remote Sensing, GIS and GPS in Natural Resources Management Geospatial technologies	Department of Geography Jamia Millia Islami Department of Geography, Jamia Millia Islamia	9th December 2009 to 11 January 2010. 22 May to 11 June 2012.
Dr. Saif Saed	Orientation Program	Academic Staff College, Jamia Millia Islamia	April 2010
	Recent Advances in Electric Power and Energy Systems	Department of Electrical Engineering, Jamia Millia Islamia, New Delhi	December 09 – 22, 2011.
	Geospatial technologies	Department of Geography, Jamia Millia Islamia	22 May to 11 June 2012.
Dr. S. Shakil Afsar	Orientation Program	Academic Staff College, Jamia Millia Islamia	April 2010
	Recent Advances in Electric Power and Energy Systems	Department of Electrical Engineering, Jamia Millia Islamia, New Delhi	December 09 – 22, 2011.
	Geospatial technologies	Department of Geography, Jamia Millia Islamia	22 May to 11 June 2012.
Dr Abid Ali Khan	Workshop	Low Cost and Energy Efficient Integrated Sewage Treatment Concept: UASB-DHS System, JICA, JST and MoEF at New Delhi	October 2014
	Workshop	Nereda technology Innovations and Development, TU delft and Royal Haskoning DHV at Amersfort, Netherlands	January, 2014

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

	Workshop	Nered a technology Innovations, Royal Haskoning DHV at Cape Town, Netherlands	May, 2012
	Workshop	Operation and Maintenance of STP, IIT Roorkee	December, 2010

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

ERD-III – List of Doctoral, Post-Doctoral Students & Research Associates

DEPARTMENT OF CIVIL ENGINEERING

A) From The Host Institute/University

S. No.	Name of The Scholar	Title of Research	Date of Registration	Supervisor(s)
1	Raj Kumar Joshi	Effect of Leachate Recirculation on Substrate Decomposition and Quality of Leachate	20.07.2009	Prof. Sirajuddin Ahmad
2	Siddhartha Gautam	Analysis of water Consumption pattern and its reuse in five Star Hotel	26.03.2010	Prof. Sirajuddin Ahmad
3	Farhat Rafiq	Flood Risk Assessment and its Mitigation for sustainable Development in Urban Areas	27.03.2010	Prof. Sirajuddin Ahmad
4	Rashmi Makkar	Assessment of Environmental Contamination By E-Waste and Its Recycling Potential for sustainable Development	16.08.2011	Prof. Sirajuddin Ahmad
5	Jafrudeen	Development of a framework for recycling & Reuse of wastewater in Hospital with Emphasis upon optimization of wastewater treatment Plant design and operations	30.08.2011	Dr.Naved Ahsan
6	Alok Suman	A Comparative study on Colloidal suspension removal from Industrial wastewater	05.09.2011	Dr.Kafeel Ahmad
7	Geeta	Investigation of linkages of large - Scale Climate Indices with extreme Precipitational and flow Events	19.09.2012	Prof. Mohd. Shakeel
8	Yogesh Nathuji Dhoble	Treatment of Coke oven Effluent by Steelmaking slag and its implication on cementitious properties	24.09.2013	Prof. Sirajuddin Ahmad
9	Mukesh Kumar	Flood Management and Modelling for river Yamuna in NCT of Delhi	26.09.2013	Prof. Sirajuddin Ahmad
10	Mansoor-ul-Haq Khan	Ground water contamination modelling and Risk Assessment in Major Industrial Area	25.09.2013	Prof. Mohd. Shakeel
11	Syed Emad Uddin Ahmad	Seismic Reliability Analysis of Performance Based Design of Buildings	29.09.2014	Prof. Khalid Moin
12	Mohd Nijbul Hasan	Enhance Nutrient Removal from Municipal Wastewater	01.10.2014	Dr.Abid Ali Khan

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

B) From Other Institute/University

S. No.	Name of The Scholar	Title of Research	Date of Registration	Supervisor(s)
1	Prashant Mukherjee	Effect of Soil Vibration on Life Line Structure; -Water Supply line	26.03.2010	Prof. N.U. Khar
2	Pankaj Kumar Agarwal	Rationalization of Criteria for Green Building Rating Systems and Development of a Framework for Sustainable Energy Efficient Design of Buildings	29.03.2010	Dr. Naved Ahsa
3	S.V. Vageesha	Optimization of reservoir Systems-Case Studies of River Basins of Karnataka	05.03.2010	Prof. Mohammed Sharif
4	Ayman T Hamid	Assessment of Climate Change Impact in Satluj River Basin	02.08.2010	Prof. Mohd. Sharif
5	Prashant Atreya	Seismic response and Stability Analysis of Articulated Tower	23.12.2010	Prof. Nazrul Islam
6	Ram Sunder Kesharwani	Load and Deformation Behaviour of Course Aggregate Blended silty Soil	26.03.2010	Prof. N.U. Khar
7	Gaurav Rastogi	Non-Linear Dynamic Analysis of Multy-Storeyed Building using Finite Element Approach	25.03.2010	Prof. Khalid Moin
8	Ambrish Saurikhia	Technology Assessment and Technology Forecasting for Emerging Green Technologies: Asectoral Approach	25.03.2010	Prof. Sirajuddin Ahmad
9	Naseem Akhtar Khan	Seismic Reliabiligy Analysis of Suspension Bridge	26.03.2010	Prof. Khalid Moin
10	Dina NathKeshri	Hydrodynamic Response of three hinged Articulated Loading Platform	26.03.2010	Prof. Nazrul Islam
11	Prem Veer Singh	Large Amplitude Vibration and post - Buckling Analysis of sandwich Beams with functionally Hraded faces using a consistent third order zigzag theory	29.03.2010	Dr.Akil Ahmad
12	Mohammed Lateef Ahmad	The optimim management of water resources in arid and semi-arid regions (Iraqi Western Regions as a sample)	09.12.2011	Prof. Mohd. Shakeel
13	Shadab Ahmad	Assessment of Ground Improvement using SASW	21.09.2012	Prof. S M Abba
14	Esmaeil Asadzadeh	A comparative study of Structural response of Cooling Towers with alternative	07.05.2013	Prof. MehtabAlam

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

		Supporting Configurations under wind and Earthquake Exvitations		
15	Kavitadevi	Study of Noise Absorption & Reflection Behaviour Under Different Type of road Pavements	24.09.2013	Dr.Kafeel Ahma
16	Hari Ram Prasad Yadav	Study on Engironmental and economic Vaibility of Various Fuels Operated Vehicular Emissions	25.09.2013	Dr.Kafeel Ahma
17	Mahd Zia	Assessment of Energy recovery Potential from Vegeable/Fruits waste Under Subtropical Climate Condition	26.09.2013	Prof. Sirajuddin Ahmad
18	Asha Devi Singh	Operational Strategy of Bhakra reservoir Under Changing Climate	26.09.2013	Prof. Mohammed Sharif
19	Shadab Ahmad	Modeling& Assessment of Traffic Related Air Pollution in an Urban Area	26.09.2013	Prof. Farhan A Kidwai
20	Rameezut Tauheed	Microzonation of Seismic Activities in Aravalli Ranges in Parts of Delhi NCR	26.09.2013	Prof. Gauhar Mehmood
21	Faraz Hasan Qadri	High Strength Self Compacting Concrete Using Recycled Concrete and its Characteristics	27.09.2013	Prof. Mehtab Alam
22	Tarique Ahmad	Study on Water Tratment Studge Reuse-Options and Opportunities	27.09.2013	Dr. Kafeel Ahmad
23	Kanika Taneja	Spatial Distribution of Aerosol and its stochastic Modeling in Lower Atmosphere	29.09.2014	Prof. Shamshad Ahmad
24	AhzamShadab	Evaluation of River Discharge Using Remote Sensing Data	29.09.2014	Dr.Saif Said
25	Nehal Ahmad	Impact Assessment of Structures on Yamuna River Mphology (WazirabadOkhla Section) Using Physically Based Model & ANN	29.09.2014	Dr.Saif Said
26	Mohd Aamir Mazhar	Spatial Monitoring and Assessment of Trihalomethanes (THMs) in Municipa Water supply System	29.09.2014	Dr.Azhar Husai
27	Srv Priya	Impact Resistance of Steel Tube Bneam Filled with SCC Strengthened by Carbon Reinforced Polymer	30.09.2014	Prof. Mehtab Alam
28	Athar Tauheed	Blast Resistance Analysis and Design of framed Structures Including Progressive Collapse	30.09.2014	Prof. Mehtab Alam

**EVALUATIVE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING**

29	J.V. Ravinder	Study of Phosphate Removal from Municipal waste water and its Economic Viability in Indian Context	30.09.2014	Dr. Kafeel Ahmad
30	Pervez Alam	Performance Evaluation of Anaerobic Digester for Solid Waste Generated in Kitchen of Restaurants/Canteen Under Variable Conditions	30.09.2014	Dr. Kafeel Ahmad
31	Mohd. Nadeem	Dynamic Analysis of Functionally Graded Beams	30.09.2014	Dr. Akil Ahmad
32	Neelam	Nitrogen Transformation during the waste water Treatment	30.09.2014	Dr. Abid Ali Khan
33	Abhinav Singh	GIS Based Seismic Risk Assessment in Urban Area	01.10.2014	Prof. Shamshad Ahmad
34	Shoebuddin Usmani	Study of low cost Sbsorbents for removal of heavy Metals and Arsenic from	13.10.2014	Dr.Naved Ahsan
35	Adeela Afreen	Performance Based Methodology on Seismic Evaluation of Masonry Structures	13.11.2014	Prof. Khalid Moin
36	Rabab Siddiqui	Comparative Evaluation of Geomorphometric Characteristics Effecting Runoff and dediment yield of Arid and Semi Arid Watersheds Using Remote Sensing Data	13.11.2014	Dr.Saif Said

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

ERD-V – Participation of Student and Faculty in Extension Activities

DEPARTMENT OF CIVIL ENGINEERING

STUDENTS

- Cricket Team of the Department of Civil Engineering won intra faculty Tournament year- 2012
- Students regularly participate in sports, cultural events, debates , quizzes etc
- Department of Civil Engineering has a student chapter of Indian Society of Technical Education (ISTE) and soon student chapter of American Society of Civil Engineers (ASCE) will be established.
- Faculty members are advisers and students are member of these bodies.
- Several extension activities are being performed round the year by the student's executive committee.
- Students also perform summer training and educational tour and special lectures delivered by faculty members.
- Students actively participate in Blood Donation Camp Organised by NSS
- A student of Civil Final year (2014-15) Mr M. Rishab has made an Audio Visual documentary on Swatchh Bharat Abhiyan

FACULTY

- The faculty members are actively involved in sponsored industrial consultancy and research along with rich tradition of teaching
- The faculty members carry out consultancy project is to provide economical and sustainable solution in the various field of Civil Engineering.
- Part of earning through these consultancies is used for development of laboratories and purchase of softwares, and other items for professional development of faculty and students.
- Students are involved in such consultancy project to gain first hand exposure and practical knowledge.
- The faculty members are also actively involved in joint research programs/members of the research academic committee (RAC) different national/international universities and IITs.
- The Department of Civil Engineering has MOU with university of Applied Sciences Erfurt Germany and under this programme faculty members from Erfurt, Germany deliver lectures at Jamia and our faculty members give talks at Germany
- Students actively participate in different real projects though sponsored industrial consultancy and research projects. Real projects could help the students in acquiring professionalism and technical competence