

WELCOME TO WATER RESOURCES SECTION



**CIVIL ENGINEERING DEPARTMENT
INDIAN INSTITUTE OF TECHNOLOGY, DELHI**

FACULTIES



Prof. B. R. Chahar

Interest: Seepage, Drainage, Canal Design.



Prof. A. K. Gosain

Interest: Integrated Watershed Modelling, GIS, Hydrological Modelling.



Prof. A.K. Keshari

Interest: Hydrological and Environmental Modelling, Remote Sensing and GIS



Prof. Shashi Mathur

Interest: Groundwater Contamination, Bioremediation of Soils, Flow through Porous Media



Prof. Rakesh Khosa

Interest: Water Resources Systems, Stochastic Processes, Conflict Resolution and Hydrologic Modeling



Prof. N. K. Garg

Interest: Water Resources Systems, Finite Element Watershed Modelling



Prof. D. R. Kaushal

Interest: Hydraulic and Water Resources Engineering, Fluid Mechanics, Sediment Transport



Prof. C. T. Dhanya

Interest: Hydro-climatological Modelling, Nonlinear Dynamics and Chaos Theory, Stochastic Hydrology.



Prof. Sumedha Chakma

Interest: Contaminant Hydrology, Bioreactor Landfill, Watershed Management.



Prof. Manabendra Saharia

Flood Forecasting, Land Surface Modeling, Radar and Satellite Precipitation, Statistics, and Machine Learning, Human Computation

LABORATORIES



Continuation of Registration and Graduation Requirements for Postgraduate Programmes

Degree	Registration limits (per semester)	Criteria for continuation of registration	Graduation requirements		
			Valid credits (\$)	Minimum DGPA	Max. period of stav
M.Tech., full time	Minimum 12 credits Maximum 22 credits with the condition that no. of lecture courses to be not more than 6.	(i) The minimum acceptable performance level in any registered semester is SGPA of 6.0. However, at the end of the 1 st registered semester, a student with SGPA of 5.0 or more will be permitted to continue. If the SGPA is less than 5.0 then registration will be terminated. (ii) If at the end of any registered semester the SGPA is less than 6.0, then the student will be issued a warning letter and placed on probation; a copy of the warning letter will be sent to Chairperson DRC/CRC. The Chairperson DRC/ CRC shall assess the feasibility of completing degree requirements and identify remedial measures for problems leading to poor performance.	54 (For some M.Tech. programmes the requirement may be more than 54).	6.0	6 sem.
M.Tech., part time	Minimum one course and/or Minor/ Major Project. Maximum 12 credits with the condition that no. of lecture courses to be not more than 3.				10 sem.@
Ph.D.	For details please refer to Ph.D. Ordinances and Regulations	(i) A student will be evaluated on completion of pre-Ph.D. course work in terms of Degree Grade Point Average (DGPA) which is calculated on the basis of the best valid credits as prescribed by the Department/Centre. The requirement for completion of pre-Ph.D. course work is DGPA of 7.5 or more. (ii) In case his/her DGPA is less than 7.00, his/her registration will be terminated. If DGPA is in between 7.00 and 7.5, he/she will be allowed to register for more courses to improve his/her DGPA until the maximum permissible period i.e 18 and 24 months respectively for full-time and part time students. (iii) Registration of a Ph.D. student will be terminated at the end of 1 st Semester on account of performance in the course work if the SGPA is less than 6.0.	12 for B.Tech./M.Sc., 6 for M.Tech. or equivalent; A Deptt./Centre may prescribe additional credits.	DGPA 7.5 in the Course work + Thesis	14 sem.

Master of Technology in Water Resources Engineering

Category	PC		PE	OC	Total
Credits	39		15	0	54
	Major Project	Others			
	18	21			

PG Courses

<i>Course No.</i>	<i>Course Title</i>	<i>Category</i>	<i>Slot</i>	<i>Coordinator</i>
<i>CVL 730</i>	<i>Hydrological Processes and Modeling</i>	<i>PC</i>	<i>A</i>	<i>Rakesh Khosa</i>
<i>CVL 731</i>	<i>Optimization Techniques in Water Resources</i>	<i>PC</i>	<i>B</i>	<i>A. K. Keshari</i>
<i>CVL 732</i>	<i>Groundwater Hydrology</i>	<i>PC</i>	<i>E</i>	<i>B. R. Chahar</i>
<i>CVL 735</i>	<i>Finite Elements in Water Resources</i>	<i>PC</i>	<i>J</i>	<i>N. K. Garg</i>
<i>CVL 831</i>	<i>Surface Water Quality Modeling and Control</i>	<i>PE</i>	<i>F</i>	<i>Shashi Mathur</i>
<i>CVL 738</i>	<i>Economic Aspects of Water Resources Development</i>	<i>PE</i>	<i>AB</i>	<i>Sumedha Chakma</i>
<i>CVD 831</i>	<i>Major Project Part I (CEW)</i>	<i>PC</i>	<i>-</i>	<i>Sumedha Chakma</i>