

DEPARTMENT NAME: CIVIL ENGINEERING DEPARTMENT**Report for 1st January 2022 to 31st March, 2022****I. Details of M.E. Programmes:**

ME Subjects	Batches	Name of the Faculty
Environmental Engineering & Management	Regular- 2021	Dr. Sanjay Kr. Sharma/ Er. Himmi Gupta
Building Maintenance	Regular- 2021	Dr. Sanjay Kr. Sharma/ Er. Himmi Gupta/ Dr. Amit Goyal
Foundation Design & Construction	Regular- 2021	Er. Vinod Kr. Sonthwal / Er. Ajay K Duggal
Advanced Construction Technology	Regular- 2021	Dr. Amit Goyal / Er. Ajay K Duggal
Foundation Engineering Lab.	Regular- 2021	Er. Vinod Kr. Sonthwal
Green Buildings & Services	Regular- 2021	Er. Himmi Gupta / Dr. Sanjay Kr. Sharma
Environmental Engineering & Management	Modular-2019, 2020 & 2021	Dr. Sanjay Kr. Sharma/ Er. Himmi Gupta
Transportation Engineering	Modular-2019, 2020 & 2021	Er. Ajay K Duggal/ Dr. Hemant Sood

II.**A. STUDENT TRAINING Organized:**

Sr. No.	Name of the Course alongwith dates & place	No. of weeks	Participation		Total No. of Participants
			Poly	Engg.	

B.. INTERNATIONAL CONFERENCES Organized

Sr. No.	Name of the Seminar/Conference	Total No. of Participants

C. NATIONAL CONFERENCES ORGANIZED:

Sr. No.	Name of the Seminar/Conference	Total No. of Participants

III WORKSHOPS CONDUCTED (OTHER THAN CURRICULUM DEVELOPMENT WORKSHOPS):

Sr. No.	Name of the Workshop along with dates and venue	Total No. of Participants

IV. INSTRUCTIONAL MATERIAL DEVELOPMENT

Sr. No.	Type of Instructional Material Developed	Author(s) /Team	Project Completed In progress	Specific Achievements during the year	Target date of completion
PRINT MATERIAL					
1.	Reader on Artificial Intelligence in Civil Engineering Issue II	Himmi Gupta	Completed		
2.	Lab Manual on RCC Beams Reinforcement Design using ABAQUS	Himmi Gupta	Completed		
NON-PRINT MATERIAL					
1.	Solid Waste Management	Dr. Sanjay Sharma/ Dr. Amit Goyal	Completed		

INSTRUCTIONAL MATERIAL DEVELOPMENT

Type of Instructional Material	No. Completed during 2021-22	Remarks (if any)
PRINT :		
Text Books		
Lab. Manuals	1	
Teachers' Manual		
Modules		
Readers	2	
Any other (Please specify)		
NON-PRINT :		
Video Films		
CAI Packages		
Experimental Kits		
Charts		
Any other (Please specify)		

Information above to be given only in case of completed Learning Resources. Title of the material(s) (topics/subjects as the case may be) should also be given.

V. CURRICULUM DEVELOPMENT

A. CURRICULA DESIGNED:

B. CURRICULA REVISED:

C. CURRICULUM DEVELOPMENT WORKSHOPS:

Sr. No.	Name of Curriculum	Number of Subjects/Course	Beneficiary States	Participation		
				Poly.	Ind.	Others

VI. RESEARCH AND DEVELOPMENT

Sr. No.	Name of Project	Team	Beneficiary State	Status of Project completed/ In progress	Specific work done during the year	Target date of completion
A. RESEARCH STUDIES						
1.	Gaurav Gupta	GG/ HS/ PK Gupta	All	In progress	Writing of thesis	2022
2.	Navdeep Mor	NM/ HS/ TG	All	Submitted	Thesis Submitted for evaluation to PU, Chd	2022
3.	Mohit Nandal	MN/HS/ PKG	All	In progress	Course work Completed, Preparing for Synopsis	May, 2023
4.	Vivek Thakur	VT/ HS/ RK	All	In progress	Course work Completed, Preparing for Synopsis	May, 2023
5.	MD-Zia-ul-haq	MZ/ HS/ RK	All	In progress	Course work Completed, Preparing for Synopsis	May, 2023
6.	Neeraj Nain	NN/ HS/ HKV	All	In progress	Course work Completed	May, 2024
7.	Yeole Sanjay Ashok	YSA/SKS/ HKS	All	In progress	Being Submitted	May, 2022
8.	Jagjeet Singh	JS/ SKS/ HKS	All	In progress	Practical Work	May, 2022
9.	Himmi Gupta	HG/ SKS/ HKS	All	In progress	Practical Work submitted	May, 2022
10.	Ashmita Rupal	AR/ SKS/ GDT	All	In progress	Practical Work submitted	May, 2022
11.	Abhishek Gupta	AG/ SKS/ GDT	All	In progress	Practical Work	May, 2022
12.	Charul Sharma	CS/ SKS/ DG	All	In progress	Practical Work going on	May, 2022
13.	Sivasankara Rao Meda	SRM/ SKS	All	In progress	Practical Work going on	December, 2022
14.	Ishan Tank	IT/ SKS/ AG	All	In progress	Practical Work going on	December, 2022
15.	Sayantana Ghosh	SG/HS/RK	All	In Progress	Practical Work in progress	December 2023
16.	Aditya Punia	AP/ SKS	All	In Progress	Course work completed	--
17.	Shivani Guleria	SG/ HS/ HKV	All	In Progress	Course work completed	--
18.	Lalit Dhak	LD/ HS/ HKV	All	In Progress	Course work completed	--
19.	Nagendra Dhooper	AG	All	In Progress	Pre Visit	--
B. DEVELOPMENT PROJECTS						

C. DISSERTATION FOR MASTER'S DEGREE PROGRAMMES COMPLETED (Pre- Thesis)			
<u>FINAL THESIS</u>			
NAME & ROLL NO.	TITLE OF THESIS	GUIDE NAME	
Sudesh Kumar 172327/17-TTC-51	Analytical Investigation of Structural Behavior of Reinforced Concrete Column using Diamond Tie Configuration under Elevated Temperatures	Er. Himmi Gupta	
Upadhyay Lohit 171328/17-TTC-52	Road Sub Grade Improvement with Phosphogypsum	Er. Ajay K Duggal	
Gaurav Kumar Jataw 181304 / 18-TTC-06	A Study on High Performance Concrete by replacing Raw Materials with Recycled Aggregates, Bagasse Ash and Silica Fumes	Dr. Sanjay Kumar Sharma / Dr. Amit Goyal	
Subodh Mulchandani 181316 / 18-TTC-18	To Study the effect of Rice Husk Ash, Alccofine, Silica Fumes and GGBS on High Strength Concrete	Dr. Sanjay Kumar Sharma / Er. Himmi Gupta	
<u>PRE-THESIS</u>			
NAME & ROLL NO.	TITLE OF THESIS	GUIDE NAME	
C Praneeth Sudharsan 202306/2020-TTC-140	To Develop Self-Compacting Concrete of Grade M25, M30 and M35 Using Composite Cement.	Dr. Hemant Sood	
Abhishek Kumar 202301/2020-TTC-135	To Develop Self-Compacting Concrete Using Composite with Partial Replacement of Potable water with Treated Wastewater.	Dr. Hemant Sood	
Vinita Meena 191323/19-TTC-29	Performance Analysis of Concrete Properties Using Kota Stone Waste and Cow Dung Ash for Sustainable Development.	Dr. Hemant Sood	
Divya Rana 181302/18-TTC-4	Comparative study for suitable shear wall position in soft storey building in various seismic zone	Dr. Hemant Sood	
Kalpesh Shrivastava 202309/20-TTC-143	Identification of Road Accident Blackspot on NH-152 and its prioritization using Corridor Analysis approach	Er. Ajay K Duggal	
Narender Singh 202315/20-TTC-149	Behavioural similarity between Marshall stability & Indirect Tensile strength values for B.C. using VG-30 & VG-40 Grade Binder	Er. Ajay K Duggal	
Subrat Gupta 202322/20-TTC-156	Behavioural similarity between Marshall stability & Indirect Tensile strength values for D.B.M. using VG-30 & VG-40 Grade Binder	Er. Ajay K Duggal	
Lokendra Narayan Tripathi 181306/18-TTC-08	To study the effect of replacement of fine aggregate with glass sand on compressive strength of concrete	Er. Himmi Gupta	
Rohit Kumar 181312/18-TTC-14	Condition Assessment and Retrofitting Measures for Elevated Water Reservoirs	Er. Himmi Gupta	
Rohit Kumar Bhoxa 181313/18-TTC-15	Carbon Footprint Calculation of Coal Mining Industry	Er. Himmi Gupta	
Harpreet Kaur 181303/ 99-er-301	A Comparative Study of different Wastewater Treatment Technologies and Selection of an Appropriate Technology	Dr. Sanjay Kumar Sharma / Dr. Amit Goyal	
Rajiv Kumar 191314 / 19-TTC-21	Performance Evaluation of Sewage Treatment Plant based on MBBR and EBB Technologies	Dr. Sanjay Kumar Sharma / Dr. Amit Goyal	

VII. EXTENSION SERVICES AND CONSULTANCY

Sr.No.	Name of Project	Team	Beneficiary Organization	Status of Project Completed/in Progress	Specific work done during the year

A. EXTENSION SERVICES PROJECTS:					
1.	DST Sponsored program on Solid Waste Management Technology & Regulatory Compliance from 21-25 February, 2022.	Dr. Sanjay Sharma/ Dr. Amit Goyal	National Level	Completed	
B. CONSULTANCY PROJECTS:					
Consultancy Project		Gross Value	Net IRG	Remarks	
• Testing of Materials, Design, Quality Control		10,26,014.00	8,69,500.00	Dr. HS/ Dr.SKS/Er. AKD/Er. VKS/ Dr. AG/Er. HG	
• Third Party Audit of Quality Control Inspection Stability of Structure		30,84,000.00	26,13,559.00		
Total		41,10,014.00	34,83,059.00		

VIII. TRAINING PROGRAMMES ATTENDED BY THE INSTITUTE FACULTY/STAFF

Sr. No.	Title of Training Programme	Period of Training	Venue	Attended by

IX. IN-HOUSE TRAINING PROGRAMMES

Sr. No.	Title of Training Programme	Period of Training	Attended by

X. OTHER CONTRIBUTIONS INCLUDING INDIVIDUAL CONTRIBUTION

A. PATENTS/COPYRIGHT

Sr.No.	Name of Patents/Copyright	Author (s) Name

B. PAPERS PUBLISHED BY THE INSTITUTE FACULTY:

SCI JOURNAL

Sr.No.	Name of the Paper Published	Author (s) Name

C. PAPERS PUBLISHED BY THE INSTITUTE IN INTERNATIONAL JOURNAL OTHER THAN SCI JOURNALS

Sr.No	Name of the Paper Published	Author (s) Name
1.	“Development of Self-Compacting concrete using composite cement with Partial Replacement of potable water with treated wastewater”	Abhishek Kumar/ Sayantan Ghosh/ Dr. Hemant Sood
2.	Development of Self-Compacting concrete of grades M25 M30 and M35 using composite cement”	C.Praneeth Sudharsan/ Sayantan Ghosh/ Dr. Hemant Sood
3.	Study on Utilization of Lime Mud from Paper Industry as a Construction Material	Mayank / Dr. Sanjay Kr. Sharma/ Er. Himmi Gupta

D. PAPERS PUBLISHED BY THE INSTITUTE FACULTY IN NATIONAL JOURNAL

Sr.No.	Name of the Paper Published	Author (s) Name

E. PAPERS PUBLISHED / PRESENTED IN INTERNATIONAL CONFERENCES/SEMINARS

Sr.No.	Title of the Paper Presented/Accepted alongwith a Name of the Conference/Seminar (venue, with date)	Author (s) Name

PAPERS PUBLISHED / PRESENTED IN NATIONAL CONFERENCES/SEMINARS

Sr.No.	Title of the Paper Presented/Accepted alongwith a Name of the Conference/Seminar (venue, with date)	Author (s) Name