

REMEDIAL CLASSES BY SCHOOL OF ENGINEERING

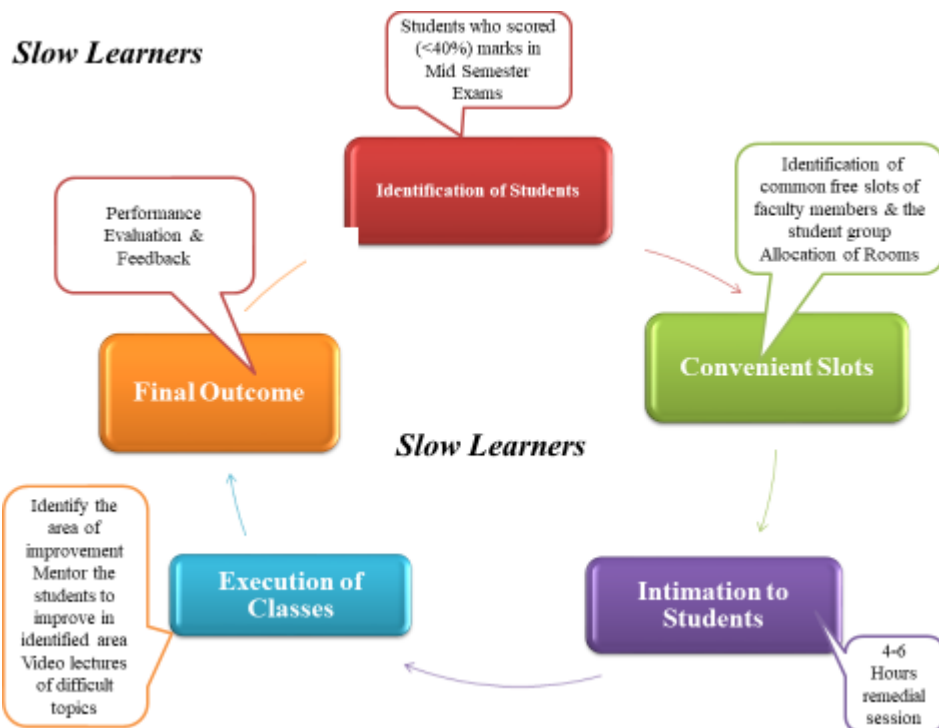
Need, Implementation & Outcome

Remedial classes are planned and organized to support the students and overcome their learning difficulties and to gain confidence and interest in learning. The remedial classes are conducted for the students who secure less than 40% marks in Mid-Term Examination.

Remedial classes help the slow learners to fill the gaps in the teaching learning process which may be due to their learning pace, lack of understanding, lack of motivation to practice the problems etc. and ultimately enhance their learning skills, resulting in their performance improvement.

The aim of these classes is thus to brush up the concepts of the slow learners and to conduct interactive doubt clearing sessions. The emphasis is to help and motivate the students for self-learning after addressing the gaps in basic skills. The students lagging behind are able to soon catch up with their peers. At least one class per week is organized for these students. These classes are also beneficial to the students who frequently miss their regular classes.

After the End Semester Examinations, a comparative analysis is done and this data signifies that there is a considerable improvement in the performance of the students after attending the remedial classes.



UNIVERSITY OF PETROLEUM & ENERGY STUDIES
COLLEGE OF ENGINEERING STUDIES, DEHRADUN
DEPARTMENT OF MATHEMATICS
SLOW-LEARNER ANALYSIS
SEMESTER I (MATH-1001)
ALL SOE BRANCHES
2017-18

S.NO.	Branch	Total students	Number of Students securing <40 Marks (Mid Sem Exam)	Number of Students Passed (End Sem Exam)	Number of Students Failed (End Sem Exam)
1	ADE	61	37	42	19
2	APE GAS	121	33	109	12
3	APE UP	122	40	115	7
4	ASE	58	22	48	10
5	ASE+AVE	38	17	26	12
6	CE-RP	120	33	105	15
7	CIVIL	42	33	21	21
8	ELECTRICAL	23	14	11	12
9	ELECTRONICS	42	31	30	12
10	FSE	52	39	37	15
11	GIE	30	16	21	9
12	GSE	19	9	12	7
13	MECHANICAL	84	53	54	30
14	MECHATRONICS	26	17	19	7
15	MINING	10	5	9	1
16	PSE	7	2	5	2
TOTAL		855	401	664	191

Department of Mathematics
Remedial Class
Attendance Sheet

Program: CE-RP

Subject Name: Mathematics-I

Subject Code: MATH-1001

Name of Faculty: Dr. Meenal Jaisr

S.No	Enrollment	SAP ID	Name of student	3/11/12	10/11/12	17/11/12	24/11/12
1	R900217008	500061384	AKASH ARYAN	.	.	P	P
2	R900217011	500060076	AKSHAY TRIPATHI	P	P	P	P
3	R900217015	500060000	AMBUJ TIWARI	.	P	.	.
4	R900217016	500062019	ANIKET SHARMA	P	P	P	.
	R900217017	500059990	ANMOL PANT	P	P	P	.
6	R900217018	500061449	ANSHIKA ANNU	P	P	.	P
7	R900217022	500060197	ARUN SUNDARESAN	.	P	.	.
8	R900217030	500061522	BHAVYA VERMA	.	.	P	.
9	R900217032	500061311	CHIRAG SINGH	P	P	P	P
10	R900217035	500061382	DEVASHISH TOMAR	.	P	P	.
11	R900217040	500061827	GOPI S D	.	P	P	P
12	R900217045	500061960	HIMANSHU PUNDIR	P	P	.	.
13	R900217046	500060315	HIMANSHU SHARMA	.	P	P	.
14	R900217047	500061362	HIMANSHU YADAV	P	P	.	.
15	R900217051	500060805	KSHITIJ KUMAR	P	P	.	P
16	R900217053	500061661	LAKSHAY KADIAN	P	P	P	P
17	R900217054	500061345	LALIT KUMAR	.	P	.	P
18	R900217067	500062061	NITIKA NAGAR	P	P	P	.
19	R900217070	500061799	PALAK GUPTA	.	P	.	.
	R900217075	500061284	PRATYUSH KUMAR	.	.	P	P
21	R900217077	500060218	PRIYA SHARMA	.	.	P	.
22	R900217092	500061702	SAGNIK MAJUMDER	P	P	.	.
23	R900217094	500061810	SAMRAT SINGH	P	.	P	.
24	R900217102	500061479	SHIKHA CHANDRA	P	P	.	P
25	R900217104	500060219	SHIVAM SAMANT	P	P	.	P
26	R900217105	500061608	SHIVAM SHARMA	P	P	P	.
27	R900217106	500062067	SHIVAM SHARMA	P	P	.	P
28	R900217108	500061785	SHIVANSH BAURAI	P	P	.	P
29	R900217117	500060231	SOUMYA VERMA	P	.	.	P
30	R900217123	500061972	TUSHAR AGARWAL	.	.	.	P
31	R900217124	500060195	UDESHP GUSAIN	.	P	P	.
32	R900217131	500060155	VARUN RATURI	P	.	P	.
33	R900217135	500061555	YASH CHATURVEDI	P	.	P	P



Meenal Jaisr
28/11/12

Department of Mathematics

Video Lecture Details

MATH-1001 (Mathematics I) *Non-CIT*

Sessions	Topics	No. of Videos	Recorded by	Mode of Recording
Session One	Introduction: Revision of Prerequisites			
Session Two	Elementary Row and Column Transformations			
Session Three	(Reduction of a matrix into Echelon and Normal form)			
Session Four	Rank of a Matrix	1	Dr Reshu Gupta	PAN TAB
Session Five	Consistency of System of Linear Equations and Their Solution	1	Dr Reshu Gupta	PAN TAB
Session Six	Linear Dependency and Independency of Vectors	1	Mr Ravi Kiran Maddali	PAN TAB
Session Seven	Characteristic Equation, Eigen Values and Eigen Vectors	1	Dr Girish Dobhal	PAN TAB
Session Eight	Applications of Cayley- Hamilton Theorem	1	Dr Monika Manglik	PAN TAB
Session Nine	Diagonalization	1	Dr Shashank	PAN TAB
Session Ten	Diagonalization	1	Dr Shashank	PAN TAB
Session Eleven	Higher Order Derivatives, Successive Differentiation	1	Dr Shashank	PAN TAB
Session Twelve	Higher Order Derivatives, Successive Differentiation	1	Dr Shashank	PAN TAB
Session Thirteen	Leibnitz's Theorem, Maclaurin's and Taylor's Theorem			
Session Fourteen	Leibnitz's Theorem,			



	Maclaurin's and Taylor's Theorem			
Session Fifteen	Expansion of Functions of One Variable			
Session Sixteen	Partial Differentiation			
Session Seventeen	Euler's Theorem and its Applications, Jacobian			
Session Eighteen	Euler's Theorem and its Applications, Jacobian			
Session Nineteen	Euler's Theorem and its Applications, Jacobian			
Session Twenty	Expansion and Extrema of Functions of Two Variables			
Session Twenty one	Expansion and Extrema of Functions of Two Variables			
Session Twenty two	Asymptotes	1	Dr Monika Manglik	PAN TAB
Session Twenty three	Asymptotes	1	Dr Monika Manglik	PAN TAB
Session Twenty four	Curve Tracing (Cartesian, Polar and Parametric Curves)			
Session Twenty five	Curve Tracing (Cartesian, Polar and Parametric Curves)			
Session Twenty six	Curve Tracing (Cartesian, Polar and Parametric Curves)			
Session Twenty seven	Double and Triple Integrals	1	Dr Sangeeta Pant	PAN TAB
Session Twenty eight	Double and Triple Integrals	1	Dr Sangeeta Pant	PAN TAB
Session Twenty Nine	Double and Triple Integrals	1	Dr Sangeeta Pant	PAN TAB
Session Thirty	Change of Order	1	Dr Sangeeta Pant	PAN TAB



	of Integration			
Session Thirty One	Change of Variables	1	Dr Sangeeta Pant	PAN TAB
Session Thirty Two	Beta and Gamma Functions			
Session Thirty Three	Beta and Gamma Functions			
Session Thirty Four	Beta and Gamma Functions			
Session Thirty Five	Applications of Integrals (Area, Volume, Centre of Gravity and Moment of Inertia)	1	Dr Sangeeta Pant	PAN TAB
Session Thirty Six	Applications of Integrals (Area, Volume, Centre of Gravity and Moment of Inertia)	1	Dr Sangeeta Pant	PAN TAB
Session Thirty Seven	Introduction to Periodic Functions	1	Dr Shashank	PAN TAB
Session Thirty Eight	Fourier Series Expansion of Functions			
Session Thirty Nine	Fourier Series Expansion of Functions	1	Dr Shashank	PAN TAB
Session Forty	Change of Interval	1	Dr Shashank	PAN TAB
Session Forty One	Change of Interval	1	Dr Shashank	PAN TAB
Session Forty Two	Half Range Sine and Cosine Series	1	Dr Shashank	PAN TAB



Department of Mathematics

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1	R900217008	500061384	AKASH ARYAN	16	18
2	R900217011	500060076	AKSHAY TRIPATHI	28	29
3	R900217015	500060000	AMBUJ TIWARI	8	14
4	R900217016	500062019	ANIKET SHARMA	38	31
5	R900217017	500059990	ANMOL PANT	38	30
6	R900217018	500061449	ANSHIKA ANNU	36	31
7	R900217022	500060197	ARUN SUNDARESAN	32	22
8	R900217030	500061522	BHAVYA VERMA	33	15
9	R900217032	500061311	CHIRAG SINGH	32	30
10	R900217035	500061382	DEVASHISH TOMAR	19	21
11	R900217040	500061827	GOPI S D	28	29
12	R900217045	500061960	HIMANSHU PUNDIR	15	33
13	R900217046	500060315	HIMANSHU SHARMA	34	43
14	R900217047	500061362	HIMANSHU YADAV	15	17
15	R900217051	500060805	KSHITIJ KUMAR	5	29
16	R900217053	500061661	LAKSHAY KADIAN	18	29
17	R900217054	500061345	LALIT KUMAR	24	40
18	R900217067	500062061	NITIKA NAGAR	29	44
19	R900217070	500061799	PALAK GUPTA	34	20
20	R900217075	500061284	PRATYUSH KUMAR	33	11
21	R900217077	500060218	PRIYA SHARMA	37	20
22	R900217092	500061702	SAGNIK MAJUMDER	38	21
23	R900217094	500061810	SAMRAT SINGH	3	1
24	R900217102	500061479	SHIKHA CHANDRA	14	18
25	R900217104	500060219	SHIVAM SAMANT	30	20
26	R900217105	500061608	SHIVAM SHARMA	30	52
27	R900217106	500062067	SHIVAM SHARMA	22	29
28	R900217108	500061785	SHIVANSH BAURAI	26	22
29	R900217117	500060231	SOUMYA VERMA	31	29
30	R900217123	500061972	TUSHAR AGARWAL	33	29
31	R900217124	500060195	UDESH GUSAIN	37	33
32	R900217131	500060155	VARUN RATURI	36	20
33	R900217135	500061555	YASH CHATURVEDI	23	32



No. of students fail in MID	33
No. of students fail in END	15

