				List of Open and Progra	am Electives f	or Autumn 2025 Semester			
Sr. No.	Branch	Sem	Name of the elective offered	Type of Elective (Open/Program)	Subject code	Name of the faculty and designation	Prerequisites (if any)	Max Number of Students	Exclusion criteria* (if more than maximum number of students opt the course)
				Arcl	hitecture and Pl	annning			
1		5th	Site Planning	Program	AR205201AR	Kabita Biswas Sharma	None	50	First Come First Serve
2	pu	5th	Geometry in Architecture	Program	AR205202AR	Dr. Abir Bandyopadhyay	None	50	First Come First Serve
3	ig e ar	7th	Intelligent Building	Open	AR207301AR	Dr. Debashis Sanyal	None	50	First Come First Serve
4	u ri	7th	Modular Coordination	Open	AR207302AR	Kabita Biswas Sharma	None	50	First Come First Serve
5	Pla	7th	Alternate Bldg. Mat. and Techniques	Open	AR207303AR	Dr. Shruti Sharad Nagdeve	None	50	First Come First Serve
6	Architecture a Planning	9th 9th	Environmental Planning Architectural Conservation	Program Program	AR209201AR AR209202AR	Shailoneil Sahu Devanshi Gaur	None None	50 50	First Come First Serve First Come First Serve
8	-	9th 9th	Landscape Architecture	Program Program	AR209202AR AR209203AR	Devansni Gaur Dr. Himanshu Poptani	None	50	First Come First Serve
8		901	Landscape Architecture	Program	AR209203AR	Dr. Himanshu Poptani	None	50	FIRST COME FIRST Serve
				Bio	o-Medical Engin	ieering			
1		5th	Physiological Control System	Program	BM105201BM	New Faculty	Physiology	40	CPI
2	Biomedical Engineering	5th	Artificial Intelligence	Program	BM105202BM	Dr. Saurabh Gupta	Mathematics	40	CPI
3	nee	5th	Analytical and Diagnostic Medical Equipment	Open	BM105301BM	Dr. Arindam Bit / New Faculty	Mathematics	40	CPI
4	ingii	5th	Computational Biomechanics	Open	BM105302BM	Dr. Shivangi Giri	Biomechanics / Solid mechanics	40	CPI
5	alE	7th	Rehabilitation Engineering	Program	BM107201BM	Dr. Shivangi Giri / New Faculty	Mathematics	40	CPI
6	edic	7th	Medical Image Processing	Program	BM107202BM	Dr. Bikesh Kumar Singh	Signal Processing	40	CPI
7	Ē	7th 7th	Basic Clinical Science Lab on Chip Devices	Program Open	BM107221BM BM107301BM	Dr. Nishant Kumar Singh Dr. Mainak Basu	Physiology Mathematics	40 40	CPI CPI
9	ä	7th	Biostatistics	Open		Dr. M. Marieswaran	Mathematics	40	CPI
					Bio Technolo	gy			
1		5th	Food Biotechnology (PE1)	Program	BT105201BT	Dr. Sharda Bharti	Open to all Biotech Students and Maximum 15 Students from other Department	61	CPI of external stude should not be <8.5
2		5th	Environmental Biotechnology (OE1)	Open	BT105301BT	Dr. J. Satya Eswari	Open to all Biotech Students and Maximum 15 Students from other Department	61	CPI of external studer should not be <8.5
3	Biotechnology	7th	Industrial Biotechnology (PE4)	Program	BT107207BT	Dr. Pratima Gupta	Open to all Biotech Students and Maximum 30 Students from other Department	45	CPI of external studer should not be <8.5
4	Bic	7th	Unit Operations(PE5)	Program	BT107208BT	Dr. D. Vasanth	Open to all Biotech Students and Maximum 30 Students from other Department	45	CPI of external studer should not be <8.5
5		7th	Nano Biotechnology (OE3)	Open	BT107303BT	Dr. Chinmaya Mahapatra	Open to all Biotech Students and Maximum 30 Students from other Department	45	CPI of external studer should not be <8.5
1		5th	Material Technology	Program Elective -I	CH105201CH	Dr. M.S. Gaikwad, Assistant Professor	Nil	79 / (Branch Intake)	1
	ing							, , ,	Based on CPI for other
2	Engineering	5th	Industrial Economics and Management	Open Elective -I	CH105301CH	Dr. B. Mazumdar, Professor / New Faculty	Nil Nil	94	Depts
3		7th	Plant Design and Costing	Program Elective -I	CH107201CH	Dr. Chandradhwaj Nayak, Assistant Professor		79 / (Branch Intake)	
4	Chemical	7th	Petroleum Refining Engineering	Program Elective -II	CH107251CH	Dr. A.K. Poonia, Professor	Chemical Technology	79 / (Branch Intake)	Develop CDLC
5	చ	7th	Process Safety and Hazard Management	Open Elective -I	CH107303CH	Dr. Prabir Ghosh, Associate Professor / New Facult	y Nil	94	Based on CPI for other Depts
					Civil Engineer	ing			
		5th	Project Planning and Management	Open Elective-I	CV105301CV	Dr. L.K. Yadu, Professor / Dr. Ritesh Ingale, Assista	nt No	-	No
1	-	5th	Geotechnical Engineering-II	Program Elective-I		Prof. Dr. L.K. Yadu, Professor	Geotechnical Engineering-I	-	No
-		. Jui							
2			Modern Surveying Techniques	Program Elective I	CV105202CV	Dr A D Prasad Assistant Professor	Surveying	-	No
2	rin g	5th	Modern Surveying Techniques Finite Element Methods	Program Elective-I Open Elective-I	CV105202CV CV107302CV		Surveying Mechanics of solids		No No
2	Engineering		Modern Surveying Techniques Finite Element Methods Urban Hydrology	Program Elective-I Open Elective-I Open Elective-I	CV105202CV CV107302CV CV107301CV	Dr. A.D. Prasad, Assistant Professor Dr.Alfia Bano, Assistant Professor Dr.Chandan K Singh, Assistant Professor	Surveying Mechanics of solids No	- 40 -	No No No

7 8 9									
	Civil	7th	Seismic Design of Buildings	Program Elective-I	CV107202CV	Dr.Govardhan Bhat, Assistant Professor	No	-	No
	ö	7th	AIRPORT, TUNNEL & HARBOUR ENGINEERING	Program Elective-I	CV107203CV	Dr. Sunny Deol G, Assistant professor	No	-	No
		7th	Probabilistic approaches in Civil engineering	Program Elective-II	CV107251CV	Dr.Vikas Kumar Vidyarthi, Assistant professor	No	-	No
10		7th	Advanced Design of steel structures	Program Elective-II	CV107252CV	Dr.Alfia Bano, Assistant Professor	No	-	No
11		7th	Intelligent Transportation Systems	Program Elective-II	CV107253CV	Dr. Sunny Deol G, Assistant professor	Highway and Railway Engg.	-	No
				Comput	er Science and	Engineering			•
1		5th	Natural Langauge Proessing	Program Elective -I	CS105201CS	Dr. Jitendra Kumar Rout, Assistant Professor	Basics of Probability and Statistics, Basics of AI and ML		
2		5th	Computing Algorithms and Indian Knowledge Systems	Open Elective-I		Dr. Madhukrishna Priyadarsini, Assistant Professor	NA	100	CSE, IT students
3	CS & E	5th	Data Science	Open Elective-I	CS105302CS	Dr. Deepak Singh, Assistant Professor		120	CPI
4	cs	7th	Block Chain Technology	Program Elective - IV	CS107202CS	Dr. Preeti Chandrakar, Assistant Professor	Cryptography & Network Security		
5		7th	Graph Theory	Program Elective - V	CS107206CS	Dr. K. Jairam Naik, Assistant Professor	Discrete Mathematics		
6		7th	Reinforcement Learning	Program Elective - V	CS107207CS	Dr. Pradeep Singh, Associate Professor			
7		7th	Advanced Machine Learning	Open Elective - III	CS107305CS	Dr. Karnati Mohan, Assistant Professor	AI and Machine Learning	100	CSE, IT students
8		7th	Graph Mining	Open Elective - III	CS107306CS	Dr. N. K. Nagwani, Professor	Machine Learning/Data Science	100	CPI
	-	7 4-			mputer Applica		h.u. T		
1		5th	Cloud Computing	Program Elective		Dr. Mithilesh Atulkar, Professor	NIL	110	NIL
2	tion	5th	Mobile Computing	Program Elective	CA405206CA	Dr. Manju Pandey, Associate Professor	NIL	110	NIL
3	Computer Application	5th	Swarm Intelligence & Evolutionary Algorithms	Program Elective	CA405204CA	Dr. Naeem Ahmad, Assistant Professor	Knowledge of complexity classes and C Programming	110	NIL
4	~ ~	5th	Pattern Recognition	Open Elective	CA405302CA	Dr. Dibakar Saha, Assistant Professor	AI & Machine Learning	125	Merit basis
			5			,			
				Llumor	ities and Socia	Seienees			
4	1	C 4h	Inclusion Londonship and Effective Occurrentiation				Under mederfer	50	1
2	-	5th	Inclusive Leadership and Effective Communication	Open Elective		Dr. Anoop Kumar Tiwari, AssociateProfessor	Under graduation	50	
3	-	5th	Introduction to Linguistics	Open Elective	HS105302HS	Dr. Shashikanta Tarai, Assistant Professor	Under graduation	25	
3	HSS	5th 5th	Introduction to Sociology	Open Elective	HS105304HS	Dr. Moksha Singh, Assistant Professor	Under graduation	50	
4 5		5th	An Introduction to Business Management Basic Entrepreneurship for Engineers	Open Elective Open Elective	HS105306HS	Dr. Chetna Sharma Rajput,Assistant Professor Dr. Saurabh Gupta Assistant Professor	Under graduation	50 50	
6	-	7th	Human Rights & Human Values	Open Elective	HS107311HS	Dr. Moksha Singh Assistant Professor	Under graduation Under graduation	50	
0		701		Open Liective	1010/31110	Dr. Mokana Singir Assistant Professor	Under graddation	50	
				FI	ectrical Engine	ering			
1	1	5th	Digital Electronics & Embedded Systems	Program Elective		Dr. Varsha Singh , Assistant Professor	NIL	120	CPI
2		5th	Introduction to AI and ML	Program Elective	EL105203EL	Dr. Narendra D. Londhe , Professor	NIL	120	CPI
3		5th	Digital System Design	Open Elective	EL105303EL	Dr. Sachin Jain. Professor	NIL	120	CPI
4	Ling	5th	Advanced Semiconductor Devices	Open Elective	EL105304EL	Dr. S. Pattnaik, Associate Professor	NIL	120	CPI
	leel						Power System Analysis, Power System		
5	Electrical Engineering	7th	Smart Grid Technology	Program Elective		Dr. Varsha Singh , Assistant Professor	Protection & Switchgear Generation of Electrical Energy,	120	CPI
6	otrica	7th	Policy and Planning of Power System	Program Elective		Dr. Baidyanath Bag , Assistant Professor	Electrical Power System	120	CPI
	Elec	7th	Renewable and Distributed Energy Systems	Open Elective	EL107303EL	Dr. Ebha Koley , Associate Professor	Basic Electrical Engineering	120	CPI
7		7th	Power Apparatus System	Program Elective	EL107202EL	Dr. Saurabh Raj	Power System Analysis, Machine-1 & and 2, Power System Protection &		СРІ
7							Switchgear		
				_		- -	Switchgear		
				Electronics a		tion Engineering	Switchgear		
8	_	5th	Optimization Techniques	Electronics a Program	EC105202EC	<mark>tion Engineering</mark> Dr. Suman Kumar Saha, Assistant Professor	Switchgear		
8	- "	5th 5th	Optimization Techniques Optoelectronics Components and Devices	Electronics a Program Open	EC105202EC EC105205EC	<mark>tion Engineering</mark> Dr. Suman Kumar Saha, Assistant Professor Dr. Deboraj Muchahary, Assistant Professor	Switchgear		
8 1 2 3	ECE	5th 5th 7th	Optimization Techniques Optoelectronics Components and Devices Digital Image Processing	Electronics a Program Open Program	EC105202EC EC105205EC EC107203EC	tion Engineering Dr. Suman Kumar Saha, Assistant Professor Dr. Deboraj Muchahary, Assistant Professor Dr. Toshanial Meenpal, Associate Professor		NA	
8 1 2 3 4	ECE	5th 5th 7th 7th	Optimization Techniques Optoelectronics Components and Devices Digital Image Processing Wireless Sensor Network	Electronics a Program Open Program Program	EC105202EC EC105205EC EC107203EC EC107205EC	tion Engineering Dr. Suman Kumar Saha, Assistant Professor Dr. Deboraj Muchahary, Assistant Professor Dr. Toshanlal Meenpal, Associate Professor Mr. Sujay Chakraborty, Assistant professor	EC106203EC and EC106101EC	NA	NA NA
8 1 2 3	ECE	5th 5th 7th	Optimization Techniques Optoelectronics Components and Devices Digital Image Processing	Electronics a Program Open Program	EC105202EC EC105205EC EC107203EC EC107205EC	tion Engineering Dr. Suman Kumar Saha, Assistant Professor Dr. Deboraj Muchahary, Assistant Professor Dr. Toshanial Meenpal, Associate Professor		NA NA	NA NA
8 1 2 3 4	ECE	5th 5th 7th 7th	Optimization Techniques Optoelectronics Components and Devices Digital Image Processing Wireless Sensor Network	Electronics a Program Open Program Program Open	EC105202EC EC105205EC EC107203EC EC107205EC EC107301EC	tion Engineering Dr. Suman Kumar Saha, Assistant Professor Dr. Deboraj Muchahary, Assistant Professor Dr. Toshanial Meenpal, Associate Professor Mr. Sujay Chakraborty, Assistant professor Dr. B. Acharya, Associate Professor	EC106203EC and EC106101EC		
8 1 2 3 4	ECE	5th 5th 7th 7th	Optimization Techniques Optoelectronics Components and Devices Digital Image Processing Wireless Sensor Network Real-time Embedded Systems	Electronics a Program Open Program Program Open	EC105202EC EC105205EC EC107203EC EC107205EC EC107301EC ormation Techr	tion Engineering Dr. Suman Kumar Saha, Assistant Professor Dr. Deboraj Muchahary, Assistant Professor Dr. Toshanlal Meenpal, Associate Professor Mr. Sujay Chakraborty, Assistant professor Dr. B. Acharya, Associate Professor ology	EC106203EC and EC106101EC EC105102EC		
8 1 2 3 4 5		5th 5th 7th 7th 7th 5th	Optimization Techniques Optoelectronics Components and Devices Digital Image Processing Wireless Sensor Network Real-time Embedded Systems	Electronics a Program Open Program Program Open Inf Program Inf	EC105202EC EC105205EC EC107203EC EC107205EC EC107205EC ormation Techr IT105201IT	tion Engineering Dr. Suman Kumar Saha, Assistant Professor Dr. Deboraj Muchahary, Assistant Professor Dr. Toshanlal Meenpal, Associate Professor Mr. Sujay Chakraborty, Assistant professor Dr. B. Acharya, Associate Professor Ology Dr. Deepika Agrawal, Assistant Professor	EC106203EC and EC106101EC EC105102EC Computational Mathematics, Communication Systems Computational Mathematics, Digital	NA	
8 1 2 3 4 5 1 2		5th 5th 7th 7th 7th 5th	Optimization Techniques Optoelectronics Components and Devices Digital Image Processing Wireless Sensor Network Real-time Embedded Systems Information Theory and Coding Digital Image Processing	Electronics a Program Open Program Program Open Inf Program Open Open	EC105202EC EC105205EC EC107203EC EC107205EC EC107301EC ormation Techn IT105201IT	tion Engineering Dr. Suman Kumar Saha, Assistant Professor Dr. Deboraj Muchahary, Assistant Professor Dr. Toshanlal Meenpal, Associate Professor Mr. Sujay Chakraborty, Assistant professor Dr. B. Acharya, Associate Professor Ology Dr. Deepika Agrawal, Assistant Professor Dr. Rekh Ram Janghel, Assistant Professor	EC106203EC and EC106101EC EC105102EC Computational Mathematics, Communication Systems Computational Mathematics, Digital and Logic Design	NA 120 120	
8 1 2 3 4 5 1 2 3 3		5th 5th 7th 7th 7th 5th 5th	Optimization Techniques Optoelectronics Components and Devices Digital Image Processing Wireless Sensor Network Real-time Embedded Systems Information Theory and Coding Digital Image Processing Text Mining	Electronics a Program Open Program Open Program Open Inf Program Open Program Open Program	EC105202EC EC105205EC EC107203EC EC107205EC EC107205EC IC107301EC IT105201IT IT105201IT IT105301IT IT107201IT	tion Engineering Dr. Suman Kumar Saha, Assistant Professor Dr. Deboraj Muchahary, Assistant Professor Dr. Toshanlal Meenpal, Associate Professor Mr. Sujay Chakraborty, Assistant professor Dr. B. Acharya, Associate Professor Ology Dr. Deepika Agrawal, Assistant Professor Dr. Rekh Ram Janghel, Assistant Professor Dr. Tirath Prasad Sahu, Assistant Professor	EC106203EC and EC106101EC EC105102EC Computational Mathematics, Communication Systems Computational Mathematics, Digital and Logic Design Data Mining & Analysis	NA 120 120 120	
8 1 2 3 4 5 1 2	ationTechnology ECE	5th 5th 7th 7th 7th 5th	Optimization Techniques Optoelectronics Components and Devices Digital Image Processing Wireless Sensor Network Real-time Embedded Systems Information Theory and Coding Digital Image Processing	Electronics a Program Open Program Program Open Inf Program Open Open	EC105202EC EC105205EC EC107203EC EC107205EC EC107205EC IC107301EC IT105201IT IT105201IT IT105301IT IT107201IT	tion Engineering Dr. Suman Kumar Saha, Assistant Professor Dr. Deboraj Muchahary, Assistant Professor Dr. Toshanlal Meenpal, Associate Professor Mr. Sujay Chakraborty, Assistant professor Dr. B. Acharya, Associate Professor Ology Dr. Deepika Agrawal, Assistant Professor Dr. Rekh Ram Janghel, Assistant Professor	EC106203EC and EC106101EC EC105102EC Computational Mathematics, Communication Systems Computational Mathematics, Digital and Logic Design	NA 120 120	

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6	Infom	7th	Neural Network and Fuzzy logic	Open	IT107301IT	Dr. Satya Prakash Sahu, Associate Professor	Mathematics, Discrete Structures, Fundamental of Computing	120	
7		7th	Computer Vision	Open	IT107303IT	Dr. Suvendu Rup, Associate Professor	Mathematics,Data Mining, Digital Image Processing	120	
				М	echanical Engi	neering			
1		5th	Fluid Machanics II-Fluid Machinery	PE-I	ME105204ME	Dr. G K Sahu(Associate Prof.)	Nil	60	CPI
2		5th	Industrial Engineering & Management	PE-I	ME105202ME	Dr. Mridul Singh Rajput(Assistant Prof.)	Nil	60	CPI
3		5th	Intorduction to Aerospace Engineering	PE-I	ME105203ME	Dr. N V Swamy Naidu(Professor)	Nil	60	CPI
4		5th	Dynamics and Vibration	PE-II	ME105213ME	Dr. Rajana Suresh Kumar(Assistant Prof.)	Physics, Engineering Mechanics and Kinematics of Machines	60	CPI
5	ering	5th	Measurement and Control	PE-II	Me105212ME	Dr. Raj Kumar Sahu(Assistant Prof.)	Basic Electrical and Mechanical Engineering, Engineering Mechanics, Engineering Drawing	60	CPI
6	ine	5th	Composite Materials and Mechanics	OE-I	Me105302ME	Dr. G Srinivasu(Assistant Prof.)	Nil	80	CPI
7	Engi	5th	Smart Manufacturing	OE-I	ME105305ME	Dr. Mohan Kumar Pradhan(Associate Prof.)	Manufacturing Science	80	CPI
	alE	5th	Carbon Capture and Utilization	OE-I		Dr. Satish Kumar Dewangan (Associate Prof.)	Basic of Carbon and Energy	50	CPI
8	anic	7th	Finite Element Method	PE-V	ME107204ME	Dr. S Bhowmick(Prof.)	Nil	120	CPI
9	ch	7th	Air Pollution Control	OE-III	ME107301ME	Dr. S L Sinha(Prof.)	Fluid Mechanics	80	CPI
10	Me	7th	Industry 5.0 for Engineers	OE-III	ME107304ME	Dr. Sanjeev Kumar(Assistant Prof.)	Nil	80	CPI
11		7th	Power Plant Engineering	PE-VI	ME107212ME	Dr. R K Yadav(Prof.)	Thermodynamics, IC Engines, Fluid Mechanics	60	CPI
12		7th	Energy Conversion System	PE-VI	ME107211ME	Dr. Nisha Netam(Assistant Prof.)	Applied Thermodynamics , Fluid Mechanics	60	CPI
13		7th	Alternative Fuels and emmision control in internal combustion engines	PE-VI	ME107214ME	Dr. S L Sinha (Prof.)	IC Engines	60	CPI
14		7th	Computational Fluid Dynamics	PE-V	ME107203ME	Dr. Shashi Kant Varma	Basic course in Fluid Mechanics	60	CPI
					Mining Enginee	aring			
					running Enginee	sting			
1	1	5th	Mine Hazards and Rescue	Prgoram Elective I	MI105201MI	Dr. M D Patel, Associate Professor			
1 2		5th	Novel Methods of Mining	Prgoram Elective I Prgoram Elective I					
1 2 3	ering	-		3	MI105201MI	Dr. M D Patel, Associate Professor	NIL	100	Mining & Mechanical
3 4	ineering	5th 5th 7th	Novel Methods of Mining Remote Sensiing & Geographic Information Systems Mine Legislation & Safety II	Prgoram Elective I	MI105201MI MI105202MI MI105301MI MI107201MI	Dr. M D Patel, Associate Professor Prof B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. A K Dash Assistant Professor	NIL	100	Mining & Mechanical
3	Engineering	5th 5th	Novel Methods of Mining Remote Sensiing & Geographic Information Systems	Prgoram Elective I Open Elective I	MI105201MI MI105202MI MI105301MI	Dr. M D Patel, Associate Professor Prof B R Parate, Associate Professor Dr. R K Jade, Associate Professor	NIL I	100	Mining & Mechanical
3 4	ng Engineering	5th 5th 7th	Novel Methods of Mining Remote Sensiing & Geographic Information Systems Mine Legislation & Safety II	Prgoram Elective I Open Elective I Program Elective III	MI105201MI MI105202MI MI105301MI MI107201MI MI107202MI	Dr. M D Patel, Associate Professor Prof B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. A K Dash Assistant Professor	NIL NIL	100	Mining & Mechanical
3 4 5	0.0'	5th 5th 7th 7th	Novel Methods of Mining Remote Sensiing & Geographic Information Systems Mine Legislation & Safety II Mine Closure Planning	Prgoram Elective I Open Elective I Program Elective III Program Elective III	MI105201MI MI105202MI MI105301MI MI107201MI MI107202MI MI107251MI	Dr. M D Patel, Associate Professor Prof B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. A K Dash Assistant Professor Dr. B R Parate, Associate Professor	NIL I	100	Mining & Mechanical
3 4 5		5th 5th 7th 7th 7th	Novel Methods of Mining Remote Sensiing & Geographic Information Systems Mine Legislation & Safety II Mine Closure Planning Mine Economics	Prgoram Elective I Open Elective I Program Elective III Program Elective III Program Elective IV	MI105201MI MI105202MI MI105301MI MI107201MI MI107202MI MI107251MI	Dr. M D Patel, Associate Professor Prof B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. A K Dash Assistant Professor Dr. B R Parate, Associate Professor Dr. R K Jade, Associate Professor	NIL NIL NIL NIL	100	Mining & Mechanical Mining, Mechanical & Chemical
3 4 5 6 7	0.0'	5th 5th 7th 7th 7th 7th 7th	Novel Methods of Mining Remote Sensiing & Geographic Information Systems Mine Legislation & Safety II Mine Closure Planning Mine Economics Mine Systems Engineering	Prgoram Elective I Open Elective I Program Elective III Program Elective III Program Elective IV Program Elective IV Open Elective III	MI105201MI MI105202MI MI105301MI MI107201MI MI107202MI MI107251MI MI107252MI MI107301MI	Dr. M D Patel, Associate Professor Prof B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. A K Dash Assistant Professor Dr. B R Parate, Associate Professor Dr. R K Jade, Associate Professor			Mining, Mechanical &
3 4 5 6 7	0.0'	5th 5th 7th 7th 7th 7th 7th	Novel Methods of Mining Remote Sensiing & Geographic Information Systems Mine Legislation & Safety II Mine Closure Planning Mine Conomics Mine Systems Engineering Bulk Material Handling	Prgoram Elective I Open Elective I Program Elective III Program Elective III Program Elective IV Program Elective IV Open Elective III	M1105201MI M1105202MI M1105301MI M1107201MI M1107202MI M1107251MI M1107252MI M1107252MI M1107301MI	Dr. M D Patel, Associate Professor Prof B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. A K Dash Assistant Professor Dr. B R Parate, Associate Professor Dr. R K Jade, Associate Professor			Mining, Mechanical &
3 4 5 6 7	Mining	5th 5th 7th 7th 7th 7th 7th 5th	Novel Methods of Mining Remote Sensiing & Geographic Information Systems Mine Legislation & Safety II Mine Closure Planning Mine Economics Mine Systems Engineering	Prgoram Elective I Open Elective I Program Elective III Program Elective III Program Elective IV Program Elective IV Open Elective III	MI105201MI MI105202MI MI105301MI MI107201MI MI107202MI MI107251MI MI107252MI MI107301MI	Dr. M D Patel, Associate Professor Prof B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. A K Dash Assistant Professor Dr. B R Parate, Associate Professor Dr. R K Jade, Associate Professor			Mining, Mechanical &
3 4 5 6 7	Mining	5th 5th 7th 7th 7th 7th 7th	Novel Methods of Mining Remote Sensiing & Geographic Information Systems Mine Legislation & Safety II Mine Closure Planning Mine Conomics Mine Systems Engineering Bulk Material Handling	Prgoram Elective I Open Elective I Program Elective III Program Elective III Program Elective IV Program Elective IV Open Elective III Metallu	M1105201MI M1105202MI M1105301MI M1107201MI M1107202MI M1107251MI M1107252MI M1107252MI M1107301MI	Dr. M D Patel, Associate Professor Prof B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. A K Dash Assistant Professor Dr. B R Parate, Associate Professor Dr. R K Jade, Associate Professor			Mining, Mechanical &
3 4 5 6 7 8 8	Mining	5th 5th 7th 7th 7th 7th 7th 5th	Novel Methods of Mining Remote Sensiing & Geographic Information Systems Mine Legislation & Safety II Mine Closure Planning Mine Economics Mine Systems Engineering Bulk Material Handling Special Steels and Alloys	Prgoram Elective I Open Elective I Program Elective III Program Elective III Program Elective IV Program Elective IV Open Elective III Program Elective	MI105201MI MI105202MI MI105301MI MI107201MI MI107202MI MI107252MI MI107252MI MI107301MI gical & Materia MM105201MM	Dr. M D Patel, Associate Professor Prof B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. A K Dash Assistant Professor Dr. B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. P Y Dhekne, Professor Dr. R K Jade, Associate Professor I. R K Jade, Associate Professor Dr. R K Jade, Associate Professor I. R Jade, Associate Professor			Mining, Mechanical &
3 4 5 6 7 8 8	Mining	5th 5th 7th 7th 7th 7th 7th 7th 5th	Novel Methods of Mining Remote Sensiing & Geographic Information Systems Mine Legislation & Safety II Mine Closure Planning Mine Economics Mine Systems Engineering Bulk Material Handling Special Steels and Alloys Light Metals and Alloys	Program Elective I Open Elective I Program Elective II Program Elective III Program Elective IV Program Elective IV Open Elective III Metallun Program Elective Program Elective	MI105201MI MI105202MI MI105202MI MI107201MI MI107202MI MI107251MI MI107252MI MI107252MI MI107301MI gical & Materia MM105201MM	Dr. M D Patel, Associate Professor Prof B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. A K Dash Assistant Professor Dr. B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. R Compensition Dr. Bependra Singh; Asst Prof. Dr. Amit Yadav/Dr. Bhargavi Anne, Asst Prof.			Mining, Mechanical &
3 4 5 6 7 8 8 1 2 3	Mining	5th 5th 7th 7th 7th 7th 7th 5th 5th	Novel Methods of Mining Remote Sensiing & Geographic Information Systems Mine Legislation & Safety II Mine Closure Planning Mine Economics Mine Systems Engineering Bulk Material Handling Special Steels and Alloys Light Metals and Alloys Light Metals and Alloys Non-Destructive testing	Program Elective I Program Elective II Program Elective III Program Elective III Program Elective IV Open Elective III Program Elective III Program Elective Program Elective Open Elective Open Elective Open Elective Open Elective	MI105201MI MI105202MI MI105202MI MI107201MI MI107201MI MI107251MI MI107252MI MI107252MI MI107251MI MI107251MI MI107252MI MI107201MI MI105201MM MM105201MM MM105201MM	Dr. M D Patel, Associate Professor Prof B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. A K Dash Assistant Professor Dr. B R Parate, Associate Professor Dr. B R Parate, Associate Professor Dr. R K Jade, Associate Professor Dr. R K Jade, Associate Professor Dr. R K Jade, Associate Professor Dr. P Y Dhekne, Professor Dr. R K Jade, Associate Professor Dr. Deependra Singh; Asst Prof. Dr. Amit Yadav/Dr. Bhargavi Anne, Asst Prof. Dr. R. Bheekya Naik; Asst Prof			Mining, Mechanical &
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