



Overall Change in Programs

Drogramma	Catagony	Total Number of Courses	Number of Courses revised	Percentage
Programme	Category	Total Number of Courses	Number of Courses revised	Change
Mechanical	UG	58	20	35%
Engineering	00	50	20	3370
Machine	PG	24	07	29%
Design		24	07	2378
Production	PG	23	17	74%
Management	FU	23	17	74/0
Energy				
Systems	PG	21	15	71%
Engg				



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Change Summary Document

Mechanical Engineering_UG Program

Change summary between 2015-16 and 2016-17 admitted batches (i.e. 2015 to 19 batch 2016 to 20 batch)

Semester	Course Name	Total Hours	Revision Hrs	% Change	Year of Change Implementation
1					
	Basic Electrical Engg 16EEEF102	50	5	10%	2016-17
II	Physics Lab 16EPHP102	20	14	70%	2016-17
	Social Innovation 16EHSP101	64	60	94%	2016-17
	Engineering Design	72	50	69%	2017-18
Ш	Instrumentation & Control Engg	74	14	19%	2017-18
	Mechatronics Lab.	24	72	200%	2017-18
IV					
V					
	Minor Project	72	144	100%	2018-19
VI					
		Total			

Note:

Evidence enclosed: Instrumentation & Control Engg .&Minor Project have higher number of credits and hence the number of hours are substantially high

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Change Summary Document

Mechanical Engineering_UG Program

Change summary between 2016-17and 2017-18 admitted batches (i.e. 2016 to 20 batch 2017 to 21 batch)

Semester	Course Name	Total Hours	Revision Hrs	% Change	Year of Change Implementation
I					
II					
Ш					
IV					
IV					
	Finite Element Methods	40	10	25%	2019-20
V	CAD Modelling and PLM Lab.	80	40	50%	2019-20
	FEM Lab	26	4	25%	2019-20
VI					
	IC Engines	26	5	20%	2020-21
VII	Design of Thermal Systems	40	5	20	2020-21
VIII					
		Total			

Evidence enclosed:

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Change Summary Document Mechanical Engineering_UG Program

Change summary between 2017-18 and 2018-19 admitted batches (i.e. 2017 to 21 batch 2018 to 22 batch)

Semester	Course Name	Total Hours	Revision Hrs	% Change	Year of Change Implementation
	Single Variable Calculus 18EMAB101	60	40	66.67%	2018-19
I	Basic Electronics 18EECF101	50	13	26%	2018-19
	Engineering Exploration	78	63	80.7%	2018-2019
	Basic Electrical Engg. 18EEEF102	40	6	15%	2018-19
II	Multivariable Calculus 18EMAB102	60	40	66.67%	2018-19
	Control Systems	40	20	50%	2019-20
Ш	Control Systems Lab	48	24	50%	2019-20
IV	Numerical Methods and Partial Differential Equation	40	10	25%	2019-20
V					
VI	HVAC Systems	40	5	25%	2020-21
VII					
VIII					
		Total			

Evidence enclosed:

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Change Summary Document

Machine Design_PG Program

Change summary between 2015-16 and 2016-17 admitted batches (i.e. 2015 to 17 batch 2016 to 18 batch)

		Total	Revision	%	Year of
Semester	Course Name	Hours	Hrs	Change	Implementation
I	NO CHANGES				
11	Theory of Vibrations with Application	50	40	80	
11	Design Lab	14	07	50	2016-18
Ш	Machine Tool Design and Analysis	50	20	40	2010-18
IV	NO CHANGES				
	Total	114	67	58.77	

Evidence enclosed:

Schemes of 2015-17 batch and 2016-18 batch with changes shown in different colour

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Change Summary Document

Machine Design_PG Program

Change summary between 2016-17 and 2017-18 admitted batches (i.e. 2016 to 18 batch 2017 to 19 batch)

		Total	Revision	%	Year of
Semester	Course Name	Hours	Hrs	Change	Implementation
Ι	Modeling and Finite Element Analysis Lab	24	04	17	
	Elements of Fracture Mechanics	40	06	15	
П	Research Methodology	40	25	63	2017-19
	Mechanical Behavior of Materials	50	20	40	
III	NO CHANGE				
IV	NO CHANGE				
	Total	154	55	36	

Evidence enclosed:

Schemes of 2016-18 batch and 2017-19 batch with changes shown in different colour

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Change Summary Document

Machine Design_PG Program

Change summary between 2017-18 and 2018-19 admitted batches (i.e. 2017 to 19 batch 2018 to 20 batch)

		Total	Revision	%	Year of
Semester	Course Name	Hours	Hrs	Change	Implementation
I	NO CHANGE				
II	NO CHANGE				2018-20
	NO CHANGE				2016-20
IV	NO CHANGE				
	Total				

Evidence enclosed:

Schemes of 2017-19 batch and 2018-20 batch with changes shown in different colour

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Change Summary Document

Machine Design_PG Program

Change summary between 2018-19 and 2019-20 admitted batches (i.e. 2018 to 20 batch 2019 to 21 batch)

		Total	Revision	%	Year of
Semester	Course Name	Hours	Hrs	Change	Implementation
I	Mechanics of Solids	40	15	37	
II	NO CHANGE				2019-21
	NO CHANGE				2019-21
IV	NO CHANGE				
	Total	40	15	37	

Evidence enclosed:

Schemes of 2018-20 batch and 2019-21 batch with changes shown in different colour

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Change Summary Document

Production Management_PG Program

Change summary between 2015-16 and 2016-17 admitted batches (i.e. 2015 to 17 batch 2016 to 18 batch)

		Total	Revision	%	Year of
Semester	Course Name	Hours	Hrs	Change	Implementation
I		Nil			
II	Analysis of Forming Processes	50	12	24	2016-17
		Nil			
IV		Nil			
		Total			

Evidence enclosed:

Schemes of 2015-17 batch and 2016-18 batch with changes shown in different colour

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Change Summary Document

Production Management_PG Program

Change summary between 2016-17 and 2017-18 admitted batches (i.e. 2016 to 18 batch 2017 to 19 batch)

		Total	Revision	%	Year of
Semester	Course Name	Hours	Hrs	Change	Implementation
	Manufacturing Systems and Automation	40	40		
	CNC Machining Technology and Additive Manufacturing	50	50		
	Operations Management	40	40		
Ι	World Class Manufacturing	50	50	100	2017-18
	Elective 1	50	50		
	Automation Lab	24	24		
	Machining Lab	24	24		
	Mini Project - I	72	72		
	Data Analytics	50	50		
	Enterprise Resource Planning	40	40		
	Manufacturing Systems Simulation	40	40		
	Elective 2	50	50	100	2017-18
П	ERP Lab	24	24		
	Simulation Lab	24	24		
	Mini Project - II	72	72		
		Nil	•	-	
IV		Nil			
		Total			

Note: Out of 23 courses 15 courses are newly introduced.

Evidence enclosed:

Schemes of 2016-18 batch and 2017-19 batch with changes shown in different colour

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Change Summary Document

Production Management_PG Program

Change summary between 2017-18 and 2018-19 admitted batches (i.e. 2017 to 19 batch 2018 to 20 batch)

		Total	Revision	%	Year of
Semester	Course Name	Hours	Hrs	Change	Implementation
	PLM Fundamentals	30	30		
	Engineering Data Management	40	40		
	Product Design and Development	40	40		
	Enterprise Resource Planning-I	40	40	100	2018-19
I	Elective 1	40	40	100	2018-19
	Collaborative Design-Modeling Lab	120	120		
	PLM Function Lab	72	72		
	ERP Function Lab	72	72		
	PLM Advanced	30	30		
	Enterprise Resource Planning-II	40	40		
	Project Feasibility and Analysis	50	50		
	Elective 2	40	40	100	2018-19
П	Product Automation Lab	96	96		
	PLM Technical Lab	72	72		
	ERP Technical Lab	72	72		
	Manufacturing Execution Systems	50	50	100	2019 10
111	Manufacturing Systems Simulation	50	50	100	2018-19
IV		Nil	•	•	
	•	Total			

Note: Out of 21 courses 17 courses are newly introduced.

Evidence enclosed:

Schemes of 2017-19 batch and 2018-20 batch with changes shown in different colour

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Production Management_PG Program

Change summary between 2018-19 and 2019-20 admitted batches (i.e. 2018 to 20 batch 2019 to 21 batch)

		Total	Revision	%	Year of
Semester	Course Name	Hours	Hrs	Change	Implementation
I		Nil			
II	Research Methodology	40	40	100	2019-20
	Mini Project	72	72	100	2019-20
		Nil			
IV		Nil			
		Total			

Evidence enclosed:

Schemes of 2018-20 batch and 2019-21 batch with changes shown in different colour

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Change Summary Document

Energy Systems Engineering_PG Program

Change summary between 2015-16 and 2016-17 admitted batches (i.e. 2015 to 17 batch 2016 to 18 batch)

		Total	Revision	%	Year of
Semester	Course Name	Hours	Hrs	Change	Implementation
Ι		Nil			
II	Research Methodology	40	40	100	2016-17
		Nil			
IV		Nil			
		Total			

Note: Out of 21 courses 1 course is newly introduced.

Evidence enclosed:

Schemes of 2015-17 batch and 2016-18 batch with changes shown in different colour

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Change Summary Document

Energy Systems Engineering_PG Program

Change summary between 2016-17 and 2017-18 admitted batches (i.e. 2016 to 18 batch 2017 to 19 batch)

		Total	Revision	%	Year of
Semester	Course Name	Hours	Hrs	Change	Implementation
I	Sustainable Building Design	50	50		
	Instrumentation and Control in Energy				
	Systems	50	50		
	Mini Project - I	72	72		
II	Demand Side Management	50	50	100	2017-18
	Mini Project - II	72	72		
111	Economics and Planning of Energy				
	Conversion	50	50		
	Conventional Energy Conversion	50	50		
IV		Nil			
		Total			

Note: Out of 20courses 7 courses are newly introduced.

Evidence enclosed:

Schemes of 2016-18 batch and 2017-19 batch with changes shown in different colour

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Change Summary Document

Energy Systems Engineering_PG Program

Change summary between 2017-18 and 2018-19 admitted batches (i.e. 2017 to 19 batch 2018 to 20 batch)

		Total	Revision	%	Year of
Semester	Course Name	Hours	Hrs	Change	Implementation
I	Energy Systems Lab	48	48		
	Industrial Instrumentation and control Lab	48	48		
II	Modelling and Simulation Lab	48	48	100	2018-19
	IoT based Living space Lab	48	48		
III	Energy Audit Practices	50	50		
IV		Nil			
		Total			

Note: Out of 21 courses 5 courses are newly introduced.

Evidence enclosed:

Schemes of 2017-19 batch and 2018-20 batch with changes shown in different colour

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Change Summary Document

Energy Systems Engineering_PG Program

Change summary between 2018-19 and 2019-20 admitted batches (i.e. 2018 to 20 batch 2019 to 21 batch)

		Total	Revision	%	Year of
Semester	Course Name	Hours	Hrs	Change	Implementation
Ι	Computational Methods in Engineering Analysis	40	40	100	2019-20
=	Economics and Planning of Energy conversion	50	50		
===		NIL			
IV		Nil			
		Total			

Note: Out of 19 courses 2 courses are newly introduced.

Evidence enclosed:

Schemes of 2018-20 batch and 2019-21 batch with changes shown in different colour

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