



Overall Change in Programs

Programme	Category	Total Number of Courses	Number of Courses revised	Percentage Change
Mechanical Engineering	UG	58	20	35%
Machine Design	PG	24	07	29%
Production Management	PG	23	17	74%
Energy Systems Engg	PG	21	15	71%

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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
I					
II	Basic Electrical Engg 16EEEF102	50	5	10%	2016-17
	Physics Lab 16EPHP102	20	14	70%	2016-17
	Social Innovation 16EHSP101	64	60	94%	2016-17
III	Engineering Design	72	50	69%	2017-18
	Instrumentation & Control Engg	74	14	19%	2017-18
IV	Mechatronics Lab.	24	72	200%	2017-18
V					
VI	Minor Project	72	144	100%	2018-19
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 2016-17 and 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					
III					
IV					
V	Finite Element Methods	40	10	25%	2019-20
	CAD Modelling and PLM Lab.	80	40	50%	2019-20
	FEM Lab	26	4	25%	2019-20
VI					
VII	IC Engines	26	5	20%	2020-21
	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
I	Single Variable Calculus 18EMAB101	60	40	66.67%	2018-19
	Basic Electronics 18EECF101	50	13	26%	2018-19
	Engineering Exploration	78	63	80.7%	2018-2019
II	Basic Electrical Engg. 18EEEF102	40	6	15%	2018-19
	Multivariable Calculus 18EMAB102	60	40	66.67%	2018-19
III	Control Systems	40	20	50%	2019-20
	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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Date: 15-03-2021

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)

Semester	Course Name	Total Hours	Revision Hrs	% Change	Year of Implementation
I	--NO CHANGES--				2016-18
II	Theory of Vibrations with Application Design Lab	50 14	40 07	80 50	
III	Machine Tool Design and Analysis	50	20	40	
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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Date: 15-03-2021

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)

Semester	Course Name	Total Hours	Revision Hrs	% Change	Year of Implementation
I	Modeling and Finite Element Analysis Lab	24	04	17	2017-19
II	Elements of Fracture Mechanics	40	06	15	
	Research Methodology	40	25	63	
	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)

Semester	Course Name	Total Hours	Revision Hrs	% Change	Year of Implementation
I	NO CHANGE				2018-20
II	NO CHANGE				
III	NO CHANGE				
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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Date: 15-03-2021

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)

Semester	Course Name	Total Hours	Revision Hrs	% Change	Year of Implementation
I	Mechanics of Solids	40	15	37	2019-21
II	NO CHANGE				
III	NO CHANGE				
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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Date: 15-03-2021

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)

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

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

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

Production Management PG Program

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

Semester	Course Name	Total Hours	Revision Hrs	% Change	Year of Implementation
I	Nil				
II	Research Methodology	40	40	100	2019-20
	Mini Project	72	72	100	2019-20
III	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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Date: 15-03-2021

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)

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