

DETAILS OF CURRICULUM GAPS

Academic year: 2019-20

NO	Gap in PO/ PSO	Action Planned	Courses mapped with POs and PSOs	Gaps identified at course level	Resource Person with Designation	Date of Visit / Conduction	Relevance of POs, PSOs
1	PO6	Guest lecture	Manufacturing Process –I	Demonstration of sand moulding, pattern making and casting process	Mr. Prakash Manager M/s.Ace Foundry, Bengaluru	08.09.2019	PO1, PO2, PO3, PO5, PO6 PSO2, PSO4
2	PO3, PO6	Guest lecture	<ol style="list-style-type: none"> 1. Design of Machine Elements 2. Fluid Mechanics 3. Project Management 	<ol style="list-style-type: none"> 1. Modern design methodologies used in space technology 2. Role of cryogenics fluids in satellite launching vehicles 3. Use of project management tools for Indian space vehicles 	Mr. Prabhu, Scientist	10.09.2019	PO3, PO6, PO7, PO11, PO12
3	PO5	Guest lecture	<ol style="list-style-type: none"> 1. Simulation Modeling and Analysis 2. Manufacturing Process -I 	<ol style="list-style-type: none"> 1. Demonstration on simulation of machining process 2. Modern manufacturing process 	Mr. Naveen Manager M/s. Prabha Industries, Bengaluru	31.08.2019	PO1, PO2, PO3, PO5 PSO2, PSO4
4	PO7	Invited Talk	<ol style="list-style-type: none"> 1. Environment and sustainability 2. Fluid Mechanics 3. Basic Thermodynamics 	<ol style="list-style-type: none"> 1. One dimensional analytical analysis 2. Application of 2nd Law of thermodynamics to design air conditioners and refrigeration 	Dr Narasimhan, Senior Research Scientist	09.10. 2019	PO6, PO7, PO12 PSO4

NO	Gap in PO/ PSO	Action Planned	Courses mapped with POs and PSOs	Gaps identified at course level	Resource Person with Designation	Date of Visit / Conduction	Relevance of POs, PSOs
5	PO6, PO7	Invited Talk	<ol style="list-style-type: none"> 1. Management Information System 2. Management and Entrepreneurship 	<ol style="list-style-type: none"> 1. Role of Artificial Intelligence in MIS 2. Opportunities for entrepreneurs 	Dr.Ravishankar, Professor	10.10.2019	PO4, PO5, PO6, PO7, PO9, PSO2, PSO4
6	PO7	Invited Talk	<ol style="list-style-type: none"> 1. World class manufacturing 2. Work study and ergonomics 3. Total quality Management 4. Environment and sustainability 	<ol style="list-style-type: none"> 1. Application of DFSS concept 2. Application of advanced work measurement techniques 3. Quality Concepts in industry 	Mr. Pradeep, Manager, Wonderblue, Bengaluru	8.11.2019	PO1, PO2, PO 3, PO5, PO6, PO7, PO8, PO 9, PO10, PO12 PSO1, PSO2, PSO3, PSO4
7	PO6	Invited talk	<ol style="list-style-type: none"> 1. Supply Chain Management 2. Materials Management 	<ol style="list-style-type: none"> 1. Modern trends in Supply chain 2. Recent trends and career opportunities in Material Management 	Mr. Ramachandra, Director	15.11.2019	PO1, PO2, PO3, PO5, PO6, PO9, PO12, PSO1, PSO2, PSO3, PSO4
8	PO6, PO7, PO8	Invited talk	<ol style="list-style-type: none"> 1. Manufacturing Process – I 2. Manufacturing Process – I 3. CAD/CAM 	<ol style="list-style-type: none"> 1. Manufacturing process involved in converting raw material into finished product 2. Practical aspects of machine tools, operations & application in industry. 3. Fundamental Concepts of 	Mr. Manjunath, Manager	23.02.2020	PO1, PO2, PO4, PO6, PO7, PO8, PO9, PO10 PSO1, PSO3, PSO4

NO	Gap in PO/ PSO	Action Planned	Courses mapped with POs and PSOs	Gaps identified at course level	Resource Person with Designation	Date of Visit / Conduction	Relevance of POs, PSOs
				Computer Assisted Part Programming, CNC programming using CAM software. 4. New applications of MMM in industries.			
9	PO6, PO7, PO9	Guest Lecture	Operations Research	Practical Applications of OR models	Mr. Chengappa, General Manager	23.02.2020	PO1, PO2, PO3, PO5, PO6, PO7, PO9, PO11, PO12, PSO1, PSO2, PSO3
10	PO10, PO12	Invited talk	Explain the requirements and process for way to success.		Mr. Rao, Management Consultant	01.03.2020	PO10, PO12
11	PO6, PO12	Invited talk	Management and entrepreneurship	Explain the importance of innovation and research to be a good entrepreneur.	Mr. Shyam, Consultant	02.03.2020	PO6, PO12
12	PO5, PO6, PO7, PO10, PO12	Invited talk	1. Materials Management 2. Supply Chain Management	1. Understand the skill required in purchase activity 2. Understand the opportunities in Supply chain domain	Mr. Sudarshan, Manager	03.03.2020	PO9, PO10, PO11, PO12, PSO1, PSO3,

Academic year: 2020-21

SL NO	Gap in PO/ PSO	Action Planned	Courses mapped with POs and PSOs	Gaps identified at course level	Resource Person with Designation	Date of Visit/ Conduction	Relevance of POs, PSOs
1	PO5, PO7, PO9	Guest Lecture	Just In Time Manufacturing	Demonstration of Toyota Production System (TPS)	Mr. Gopinath, Manager	18.08.2020	PO1, PO2, PO3, PO5, PO7, PO9 PSO1, PSO4
2	PO5, PO7, PO8, PO9, PO12	Guest Lecture	1. Design of Machine Elements 2. Simulation Modelling and Analysis 3. CAD/CAM and CAMD	1. Integration modelling and simulation in design 2. Application of Simulation tools in Manufacturing process 3.	Mr. Raghu, Assistant General Manager	14.11.2020	PO5, PO7, PO8, PO9, PO12 PSO1, PSO2, PSO4
3	PO5, PO8, PO7, PO9	Guest Lecture	Manufacturing Process – I	1. Production of castings, different methods of pattern making, fettling operation, Sand moulding techniques. 2. Waste management 3. Safety Management	Mr. Vinay, Manager	15.11.2020	PO5, PO8, PO7, PO9, PO12 PSO1, PSO2, PSO4
4	PO5	Guest Lecture	1. Design of Machine Elements 2. Manufacturing	1. Usage of modern software tools in designing machine	Mr. Vinod, Supply Chain Specialist	04.05.2021	PO1, PO2, PO3, PO5,

SL NO	Gap in PO/ PSO	Action Planned	Courses mapped with POs and PSOs	Gaps identified at course level	Resource Person with Designation	Date of Visit/ Conduction	Relevance of POs, PSOs
			g Process –I & II 3. World Class Manufacturing	components 2. Application of Simulation tools in Manufacturing process 3. Implementation of Six Sigma Methodologies for solving problems			PSO2, PSO4
5	PO7	Invited Talk	1. Environmental studies 2. Applied Thermodynamics 3. Operations Management 4. Knowledge Management 5. Project Management	1. For sustainable development with due consideration to environment 2. Application of 2 nd law of Thermodynamics 3. Optimum utilization of resources using MRP 4. Current trends in knowledge management 5. Environment finance to drive clean technology projects	Mr. Seetharam, Former Director	02.03.2021	PO2, PO6, PO7, PSO2

SL NO	Gap in PO/ PSO	Action Planned	Courses mapped with POs and PSOs	Gaps identified at course level	Resource Person with Designation	Date of Visit/ Conduction	Relevance of POs, PSOs
6	PO7	Invited Talk	Total Quality Management	Various Quality concepts used in Industry	Mr. A L Kishen, QCFI-Students Chapter	02.05.2021	PO1, PO2, PO4, PO7, PO8, PO10, PO11, PO12, PSO2
7	PO5	Invited talk	1. World Class Manufacturing 2. Marketing Management	1. Importance of WCM techniques in industry 2. Modern technology in marketing	Mr. Guru Prasad, Lead Engineer	04.03.2021	PO5, PO12, PSO3, PSO4
8	PO5	Invited talk on	World Class Manufacturing	Application of Six sigma in industry	Mr. Jagadish, Manager	08.05.2021	PO1, PO4, PO5, PO12, PSO1, PSO3, PSO4
9	PO6 PO7	Invited talk	Engineer and Society Environment and Sustainability	Mr. Kumarswamy Chief Environmental Officer	09.05.2021	PO1, PO6, PO7, PO12, PSO2	
10	PO8	Invited talk	Ethics	Mr. Dilip, Senior Facilitator,	10.05.2021	PO8	
11	PO6 PO7	Invited talk	Engineer and Society Environment and Sustainability	Mr. Narayan, Director	11.05.2021	PO6, PO7, PSO2	

SL NO	Gap in PO/ PSO	Action Planned	Courses mapped with POs and PSOs	Gaps identified at course level	Resource Person with Designation	Date of Visit/ Conduction	Relevance of POs, PSOs
12	PO7	Invited talk	Environment and Sustainability		Mrs. Malathi, Facilitator	12.05.20 21	PO7

Year: 2021-22

SL NO	Gap in PO/PSO	Action Planned	Courses mapped with POs and PSOs	Gaps identified at course level	Resource Person with Designation	Date of Visit / Conduction	Relevance of POs, PSOs
1	PO7, PO9	Industrial Visit to M/s. Ace Designers- Foundry division, Bengaluru	Manufacturing Process –I	<ol style="list-style-type: none"> 1. Production of castings, different methods of pattern making and fettling operation, different sand moulding techniques 2. Waste management 3. Safety Management 	Mr. Vinay B, Manager	09/10/2021	PO1, PO2, PO3, PO5, PO7, PO9 PS O1, PS O4
2	PO7, PO9	Guest Lecture	Manufacturing Process –I	<ol style="list-style-type: none"> 4. Production of castings, different methods of pattern making and fettling operation, different sand moulding techniques 	Mr. Amit Subhanje, Consultant	27.10.2021	PO1, PO2, PO3, PO5, PO7, PO9 PS O1, PS O4
3	PO7, PO8	Guest Lecture	Total Quality Management	Mistake Proofing	Mr. Virupaksha H S, General Manager, Ace Manufacturing Systems	08.12.2021	PO5, PO7, PO8, PO9, PO12 PSO1, PSO2, PSO4

SL NO	Gap in PO/PSO	Action Planned	Courses mapped with POs and PSOs	Gaps identified at course level	Resource Person with Designation	Date of Visit / Conduction	Relevance of POs, PSOs
4	PO7, PO9	Guest Lecture	Manufacturing Process –I	5. Production of castings, different methods of pattern making and fettling operation, different sand moulding techniques 6. Waste management Safety Management	Mr. Satish Kumar, Co-Founder, Markhow Consulting	16-12-2021	PO1, PO2, PO3, PO5, PO7, PO9 PS O1, PS O4
5	PO7, PO8, PO9	Guest Lecture	1. Mechanical Measurements & Metrology 2. Quality Assurance and Reliability Just In Time Manufacturing	1. 3-axis CMM, Contour record, Surface Roughness Tester 2. Process FMEA JIT and Kanban system and Poke-Yoke.	Mr. Virupaksha H S, General Manager, Ace Manufacturing Systems	22/02/2022	PO5, PO8, PO7, PO9, PO12 PSO1, PSO2, PSO4
6	PO7, PO8, PO9	Guest Lecture	1. CAD/CAM 2. Quality Assurance and Reliability 3. Mechanical Measurements and Metrology	1. Design & development of CNC machines, Vertical Milling Machines 2. Inspection & testing for various quality standards such as IS/NMTBA 3. CMM, Precision and Accuracy	Mr Hitesh Kothari, Consultant	30/06/2022	PO5, PO7, PO8, PO9, PO12 PSO1, PSO2, PSO4

SL NO	Gap in PO/PSO	Action Planned	Courses mapped with POs and PSOs	Gaps identified at course level	Resource Person with Designation	Date of Visit / Conduction	Relevance of POs, PSOs
7	PO7, PO8, PO9	Guest Lecture	3. Material Science and Metallurgy 4. Mechanical Measurements & Metrology 5. Quality Assurance and Reliability 6. Just In Time Manufacturing	3. Demonstration of Heat treatment process 4. 3-axis CMM, Contour record, Surface Roughness Tester 5. Process FMEA 6. JIT and Kanban system and Poke-Yoke.	Mr Amit Kishore, Adjunct Professor	01/07/2022	PO5, PO8, PO7, PO9, PO12 PSO1, PSO2, PSO4

Year: 2022-23

SL NO	Gap in PO/PSO	Action Planned	Courses mapped with POs and PSOs	Gaps identified at course level	Resource Person with Designation	Date of Visit / Conduction	Relevance of POs, PSOs
1	PO7, PO9	Guest Lecture	Project Management	Resource Planning	Mr. Vinay B, Manager	09/10/2022	PO1, PO2, PO3, PO5, PO7, PO9 PSO1, PSO4

SL NO	Gap in PO/ PSO	Action Planned	Courses mapped with POs and PSOs	Gaps identified at course level	Resource Person with Designation	Date of Visit / Conduction	Relevance of POs, PSOs
2	PO7, PO9	Guest Lecture	Enterprise Resource Planning	Solving OR problems using Primavera	Mr. Amit Subhanje, Consultant	27.10.2022	PO1, PO2, PO3, PO5, PO7, PO9 PS O1, PS O4

HOD – IEM