## FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	Mechanical engineering	Year/Semester	M.Tech I semester
Department	Introduction to Renewable Energy	Course Code	1899103
Course Name	Systems	Date	03-04-2022

**Committee Members::** 

S.No	Name	Role	Designation	Signature
1	K. Suresh Kumar	Coordinator	Associate Professor	K.S L_
2	D. Merwin Rajesh	Member	Assistant Professor	Dec O
3.	C. Nagaraja	Member	Assistant Professor	Dogan!

٥.	C. Magaraja	· Torrico:	- 0	
Purpose / Objective	Problems Identified	Result A	Result Analysis	
		Strength	Weakness	
1. To check the Uniform Coverage of syllabus according to the Internal Examinations.  2. To overcome the shortcomings from students' point of view, if any	Students want to listen teaching in E-class mode because understand the significance Renewable Energy resources     The concerned faculty identified few of them are not attending regularly.     Students Requested for solar power plant, and hydro power plant visit and study the significance of each equipment.	1.Usage of Power point presentation, Pen tablet and YOUTUBE videos for explaining the various types of dams sill ways hydraulic turbines, wind turbines, power plant equipment 2. The related text books and Study materials are given before commencement of topics to be covered.	Difficult to understand solar tracking and radiation calculations the components and working principles of plant Equipment	Suggested to visit the real projects and get the practical knowledge.     Explaining more number of projects related to solar and tidal power generation projects
1600	Jopan fr	12.SL. L	29.	Hack
D. Merwin Rajesh	C. Nagaraja	K. Suresh Kumar	Dr. D. Ra	
Member	Member	Coordinator	НО	D Read

Professor & Head

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# Department of Mechanical Engineering K.S.R.M COLLEGE OF ENGINEERING AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	Mechanical engineering ( Renewable energy sources)	Year/Semester	I
	Measuring control by energy systems	Course Code	1899104
Course Name	Measuring control of control of	Date	15-11-21

## Committee Members::

embers		Role	Designation	Signature
S.No	Name			Swall
1	Sri. J.Suresh babu	Coordinator	Asst.Professor	zwan
1	Dr.D.Ravikanth	Member	Professor	1 Dans
2	DI.D.Kavikanui		Assistant Professor	Mahl
3	Sri R.Mahesh	member	Assistant Holesson	, 600

Purpose / Objective	Problems Identi	fied	Result A	Suggestions for Improvement	
			Strength	Weakness	
. To check the Uniform Coverage of syllabus ccording to the Internal Examinations.  2. To overcome the shortcomings from students' point of view, if any	Students want to listen teach class mode because understarn significance Renewable Energy. The concerned faculty ident them are not attending regulars. Students Requested for soplant, and hydro power plant the significance of each equi	nd the rgy resources ntified few of arly. olar power visit and study pment.  prese YOU expla dams turbin plant 2. Th Stud comi	age of Power point entation, Pen tablet and ITUBE videos for uning the various types of a sill ways hydraulic nes, wind turbines, power equipment ne related text books and y materials are given before mencement of topics to be	Difficult to understand solar tracking and radiation calculations the components and working principles of plant Equipment	Suggested to visit the real projects and get the practical knowledge.     Explaining more number of projects related to solar and tidal power generation projects
10.11	M	cove	Swall Coordina	V	Mod Mod

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## **AUTONOMOUS** FIRST COURSE REVIEW COMMITTEE REPORT PG (CRC) 2020-21

Department	MECHANICAL ENGINEERING	Year/Semester	M.Tech I Semester
Course Name		Course Code	1899105
	Solar energy technologies	Date	13-04-22

#### **Committee Members::**

S. No	Name	Role	Designation	Signature
1	Sri S.Vijaya Kumar	Coordinator	Assistant Professor	S.200 and
2	Dr.A.saravankumar	Member	Associate Professor	A. Col
3	Sri.P.Sivaseshu	Member	Assistant Professor	hm

Problems Identified Result Analysis		Suggestions for Improvement
Strength  1.Usage of Power point presentation, Pen tablet and YOUTUBE videos for explaining the various types of dams, sill ways, hydraulic turbines, wind turbines, power plant equipment  2. The related text books and Study materials are given before commencement of topics to be covered	Weakness  1. Difficult to understand solar tracking and radiation calculations the components and working principles of plant Equipment	Suggested to visit the real projects and get the practical knowledge.     Explaining more number of projects related to solar and tidal power generation projects
	Strength  1.Usage of Power point presentation, Pen tablet and YOUTUBE videos for explaining the various types of dams, sill ways, hydraulic turbines, wind turbines, power plant equipment 2. The related text books and Study materials are given before commencement of topics to be	Strength  1. Usage of Power point presentation, Pen tablet and YOUTUBE videos for explaining the various types of dams, sill ways, hydraulic turbines, wind turbines, power plant equipment  2. The related text books and Study materials are given before commencement of topics to be  Weakness  1. Difficult to understand solar tracking and radiation calculations the components and working principles of plant Equipment

Sri S.Vijaya Kumar Sri. P. Siva Seshu Dr.A. saravankumar Coordinator Member Member

Dr. D. Ravikanth

Professor & Head

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## AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT PG (CRC) 2020-21

Department	MECHANICAL ENGINEERING	Year/Semester	M.Tech I Semester	
Course Name	Power generation,	Course Code	1899106	
	distribution and transmission	Date	12-04-22	

#### **Committee Members::**

Member

S. No	Name	Role	Designation	Signature
1	Sri S.Vijaya Kumar	Coordinator	Assistant Professor	S- Wasas
2	Sri. D.Mervin Rajesh	Member	Assistant Professor	deceb
3	Sri.Naresh kumar Yadav	Member	Assistant Professor	Nant Valer

Purpose / Objective	Problems Identified	Result A	Suggestions for Improvement	
		Strength	Weakness	
1.The purpose of the Power generation, Distribution and transmission system is the interconnection of the electric energy producing power  2. To check the Uniform Coverage of syllabus according to the Internal Examinations.  3.To overcome the shortcomings from students' point of view, if any.	Students want to listen teaching in E-class mode because to understand the Basic principles of Power generation.     The concerned faculty identified few of them are not attending regularly.     Students Requested for thermal power plant, and hydro power plant visit and study the significance of each equipment	1.Usage of Power point presentation, Pen tablet and YOUTUBE videos for explaining the various types of dams ,sill ways ,hydraulic turbines, wind turbines, power plant equipment 2. The related text books and Study materials are given before commencement of topics to be covered	1. Difficult to understand the components and working principles of plant Equipment for Power Generation,  2. Due to higher loads during peak hours, transmission lines frequently experience issues	1. Suggested to draw a plants layouts and circuit diagrams to understand the working principle of each component better.  2. Explaining more number of projects related to solar and tida power generation projects

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Member

Coordinator

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## **AUTONOMOUS** FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	M.Tech I Sem	
Course Name	ADVANCED POWER PLANT ENGG.	Course Code	1899108	

#### **Committee Members::**

S.No	Name	Role	Designation	Signature
1	R.RAMAKRISHNA REDDY	Coordinator	Associate Professor	
2	Dr.A.SARAVANKUMAR	Member	Professor	A. CAm
3	R.MAHESH	Member	Assistant Professor	R. Much

Purpose / Objective	Problems Identified	Result A	analysis	Suggestions for Improvement
		Strength	Weakness	
This course deals with the study & understanding of the total power plant working.	Students want to listen teaching in E-class mode because to understand the significance and working of various systems.     The concerned faculty identified few of them are not attending regularly.     Students are advised to correlate the class room teaching with the working machines present in the labs to understand the working principles clearly.	1. Usage of Power point presentation, cut models, working models present in the labs and YOUTUBE videos for explaining each and every topic.  2. The related text books, solved problems and digital notes are sent before the commencing the class.  3. Course material/handouts are supplied to the students before/after the class	Difficult to understand working of some complete power plant systems.	00.000
R.Mahesh R.	Dr. A.Saravan Kumari	Chu R.Ramakrishna	Reddy A	Dr. D. Ravikanth
Member	Member	Coordina	tor	HOD

Professor & Head

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## AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	I/I M. Tech	
Course Name	Research Methodology & IPR	Course Code	1899110	

#### **Committee Members::**

S. No	Name	Role	Designation	Signature
1	Dr. P SREENIVAS	Coordinator	Asst Professor	P. Speenium
2	Sri R.Mahesh	Member	Asst Professor	D. M.
3	Dr. P. Babu Dharma Lingam	Member	Asst Professor	DE

Purpose / Objective	Problems Identified	Result A	Suggestions for Improvement	
		Strength	Weakness	
To understand and apply the concept of research methodology techniques and to evaluate the significance of RM&IPR  To check the Uniform Coverage of syllabus according to the Internal Examinations.	1. The concerned faculty identified that few of them are not attending the classes regularly. 2. Students requested to visit some you tube lectures, and NPTEL lecture to get more understanding.	1. Usage of Power point presentation, Pen tablet and NPTEL and YOUTUBE videos for explaining each and every topic.  2. The related text books, solved problems and digital notes are sent before the commencing the class.	Difficult to teach the concepts and principles      Could not identify properly about the students activity in E- class.	1.Explain more numer of practical examples for better understanding of concepts.

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KA X	P. Specyivos	
Member	Coordinator	HOD

Professor & Head

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## FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

	THE STATE OF THE PROPERTY OF T	Year/Semester	I SEM
Department	MECHANICAL ENGINEERING	Course Code	1899111
		Date	15/11/21
ourse Name	Seminar /Industrial visit		

## Committee Members::

lembers::		D. I.	Designation	Signature
S. No	Name	Role Coordinator	Assistant Professor	Nogen PL
	Sri C.Nagaraja	Coordinator		10001
2	Sri S.Mahaboob khan	Member	Assistant Professor	J. M. h.
2	Dr A. Sarvan kumar	Member	Professor	A. Chr

Purpose / Objective	Problems Identified Result Analysis		Suggestions for Improvement	
		Strength	Weakness	
1. The Students apply the programming knowledge on real-world program. 2. To undertake a short research training outside the classroom	1. Need to visit the nearest Companies and know the problems in the Mechanical.	<ol> <li>Using of different Software's / analytical methods.</li> <li>Referring the different journals published.</li> </ol>	1. Need to visit the nearest Companies and know the problems in the Mechanical.	1. Visiting to the nearest companies and knowing the problems and giving the minor project to students and getting a solution to the problem and givir it to the Industries gives a Appreciation. The students as well a for the college.

	0 08	T Compr	Warm!
(. Mal blue	H. Om	Coordinator	HOD
Member	Member	Coordinator	Professor & Head

Kadapa,AndharPradesh–516003 www.ksrmce.ac.in Professor & Head

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## Department of Mechanical Engineering K.S.R.M COLLEGE OF ENGINEERING AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

	네가요 기능 이 중에 주민주면 교리를 받는 가면 가면 가면 가지 않는데 가게 되었다.			
Department	MECHANICAL ENGINEERING	Year/Semester	11 / 111	
		Course Code	1999102	
Course Name	ADVANCED THERMODYNAMICS AND FLUID MECHANICS	Date	15/11/21	

#### **Committee Members::**

S. No	Name	Role	Designation	Signature
1	B.SRI HARI	Coordinator	Assistant Professor	A
2	U.PRADEEP KUMAR	Member	Assistant Professor	U's Prote Rus
3	Sri D. Merwin Rajesh	Member	Assistant Professor	Vec 2

Purpose / Objective	Problems Identified	Result A	Suggestions for Improvement	
1. This course deals with the fundamentals of Thermodynamics including thermodynamic systems and properties, 2. The relationships among the thermos-physical properties, the laws of thermodynamics and applications of these basic laws in thermodynamic systems. 3. To check the Uniform Coverage of syllabus according to the Internal Examinations.	Students want to listen teaching in E-class mode because to understand the significance and working principles of various engineering devices and application of thermodynamic laws to various engineering devices.     The concerned faculty identified few of them are not attending regularly.     Students requested for local site visit of RTTP to see the actual working of steam turbines and Condensers.	Strength  1. Usage of Power point presentation, Pen tablet and NPTEL and YOUTUBE videos for explaining each and every topic.  2. The related text books, solved problems and digital notes are sent before the commencing the class.  3. Course material/handouts are supplied to the students before/after the class	Weakness  1. Difficult to derive the Maxwell Equations and problems.	1.Suggested to solve more number of problems related to steam turbines  2. More emphasis on applying laws of thermodynamics to different engineering devices to evaluate their performance under different conditions.

Member

(B. SRIHARI)

Coordinator

Photosor & head

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## FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	Mechanical engineering	Year/Semester	II / III
Берагинен		Course Code	2003305
Course Name	Mechanics of materials	Date	15/11/2021

#### **Committee Members::**

S.No	Name	Role	Designation	Signature
1	B.SRIHARI	Coordinator	Assistant Professor	1
2	Sri K. Suresh Kumar	Member	Associate Professor	K.Su - 1-
3	Sri P. Siva Seshu	Member	Assistant Professor	J. Jan

Purpose / Objective	Problems Identified	Result A	Suggestions for Improvement	
		Strength	Weakness	
To check the Uniform Coverage of syllabus according to the Internal Examinations.      To overcome the shortcomings from students' point of view, if any	Students want to listen teaching in E-class mode to understand the significance and fundamentals of Mechanics of materials     The concerned faculty identified few of them are not attending regularly.     Students Requested to visit local STRENGTH OF MATERIALS LAB to study the various properties of the materials.	1.Usage of Power point presentation, Pen tablet and YOUTUBE videos for explaining the various types of Inversions of Four bar mechanisms 2. The related text books and Study materials are given before commencement of topics to be covered.	Difficult to understand the free body diagrams and reactions for various structures	1. Suggested to draw the free body diagrams for various types of beams and their reactions at the supports ,shear force and bending moments 2. Explaining more number of problems related to beams and columns.

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K.Su. b-		A P & B. SKIVIOLO	Jam
Member	Member	Coordinator	Profesour & Head
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## Department of Mechanical Engineering K.S.R.M COLLEGE OF ENGINEERING **AUTONOMOUS** FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	11 / 111
Course Name		Course Code	2003304
	ENGINEERING THERMODYNAMICS	Date	20-01-2022

#### **Committee Members::**

S. No	Name	Role	Designation	Signature
1	K. Suresh Kumar	Coordinator	Associate Professor	K.S., L
2	S. Vijay Kumar	Member	Assistant Professor	S. lejouh
3	Dr. B. Sudarshan	Member	Assistant Professor	B

Purpose / Objective	Problems Identified	Result A	Suggestions for Improvement	
		Strength	Weakness	
1. This course deals with the fundamentals of Thermodynamics including thermodynamic systems and properties, 2. The relationships among the thermos-physical properties, the laws of thermodynamics and applications of these basic laws in thermodynamic systems. 3. To check the Uniform Coverage of syllabus according to the Internal Examinations.	1. Students want to listen teaching in Eclass mode because to understand the significance and working principles of various engineering devices and application of thermodynamic laws to various engineering devices.  2. The concerned faculty identified few of them are not attending regularly.  3. Students requested for local site visit of RTTP to see the actual working of steam turbines and Condensers.	1. Usage of Power point presentation, Pen tablet and NPTEL and YOUTUBE videos for explaining each and every topic.  2. The related text books, solved problems and digital notes are sent before the commencing the class.  3. Course material/handouts are supplied to the students before/after the class	Difficult to derive the Equations and problems on refrigeration cycles	1.Suggested to solve more number of problems related to refrigeration cycles  2. More emphasis on applying laws of thermodynamics to different engineering devices to evaluate their performance under different conditions.
S. Wojevile	B	K.Su.L		Jeffund
S. Vijay Kumar	Dr. B. Sudarshan	K. Suresh K	umar	Dr. D. Ravikanth Professors Head nentrof Mechnical Engineer and College of Engineering
Member	Member	Coordina	tor	Protessor Findings
	Kadapa	a, Andhar Pardesh – 516003	Departn K.S.	Ment of Mechanical Engineering M. College of Engineering KADAPA - 516 993.



## AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	Mechanical engineering	Year/Semester	III	
Course Name	Fundamental of Statics and dynamics	Course Code	2003301	

#### **Committee Members::**

Member

S.No	Name	Role	Designation	Signature
1	Dr.A.Saravanakumar/ Sci.C.V. alart	Coordinator	Professor /Asst.Professor	· Coul
2	SRI.Ijaj ahammed	Member	Asst.Professor	AL
3	Sri.P.Sivaseshu	Member	Asso.Professor	Chr.

Purpose / Objective	Problems Identified	Result A	Suggestions for Improvement	
		Strength	Weakness	
1. To check the Uniform Coverage of syllabus according to the Internal Examinations.  2.To overcome the shortcomings from students' point of view, if any	1. Students want to listen teaching in E-class mode because understand the significance and fundamentals of Engineering Mechanics 2. The concerned faculty identified few of them are not attending regularly. 3. Students Requested to visit local workshops and study the significance of each equipment.	1.Usage of Power point presentation, Pen tablet and YOUTUBE videos for explaining the various types of Inversions of Four bar mechanisms 2. The related text books and Study materials are given before commencement of topics to be covered.	Difficult to understand the components and working principles of Mechanical Equipment	Suggested to draw the free body diagram for various mechanisms and identify the types of pairs present in each mechanism.     Explaining more number of projects related to mechanics.

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Coordinator

Member

Professor & Head

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### Department of Mechanical Engineering

## K.S.R.M COLLEGE OF ENGINEERING **AUTONOMOUS**

## FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	11/111
Course Name	MECHANICS OF MATERIALS LAB	Course Code	2003308
			DATE: 15-11-2021

### **Committee Members::**

S. No	Name	Role	Designation	Signature
1	SRI P. SIVASESHU	Coordinator	Assistant Professor	(h)
2	SRI J.SURESH BABU	Member	Asst. Professor	Sures
3	Dr.P.BHANUPRAKASH	Member	Asso. Professor	Bhz

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
		Strength	Weakness	
1. To evaluate significance of this subject as PCC 2. To check the Uniform Coverage of ALL experiments according to the Internal and external Examinations. 3. To overcome the shortcomings from students point of view, if any.	1. Students want to listen teaching in E-class mode because to understand the significance and working principles of various manufacturing processes and application of these processes to manufacture various Products.  2. The concerned faculty identified few of them are not attending Regularly.  3. Students requested to arrange for Local industrial visits.	1. Usage of Power point presentation, and YOUTUBE videos for explaining each and every topic.  2. The related subject material and digital notes are sent before the commencing the class.  3. Course material/handouts are supplied to the students before/after the class	1.lt is very difficult to handle the results like stress, strain, buckling and fatigue. 2.lt is difficult to operate the machines.	1 .If available number of new text books and new theoretical available that will useful to the students 2.Explaining topics showing photographs and with all Necessary Components.

Dr.P.BHANUPRAKASH SRIJ.SURESH BABU Member

Coordinator Kadapa, Andhar Pardesh - 516003

Dr.D.RAVIKANTH
Profesop & Head

Department of Mechnical Engineering
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## Department of Mechanical Engineering

### K.S.R.M COLLEGE OF ENGINEERING **AUTONOMOUS**

## FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	11/111
Course Name	ENVIRONMENTAL SCIENCE	Course Code	20993M1
			DATE: 15-11-2021

### **Committee Members::**

S. No	Name	Role	Designation	Signature
1	SRI P. SIVASESHU	Coordinator	Assistant Professor	Shyr
2	SRI R.RAMAKRISHNA REDDY	Member	Asst. Professor	JA
3	SRI.J.SURESH BABU	Member	Asso. Professor	Sionest

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
1. To evaluate significance of this subject as PCC 2. To check the Uniform Coverage of syllabus according to the Internal Examinations.	1. Students want to listen teaching in E-class mode because to understand the significance of Material Science engineering 2. The concerned faculty identified few of them are not attending regularly.	Strength  1. Usage of Power point presentation, and YOUTUBE videos for explaining each and every topic.  2. The related subject material and digital notes are sent	Weakness  1. By providing video lectures and ppt's may be no problems found from the students	1.If available number of new text books and new theoretical available that will useful to the students
3. To overcome the shortcomings from students point of view, if any.		before the commencing the class.  3. Course material/handouts are supplied to the students before/after the class	GEGUII CAN DE	D West

SRIJ.SURESH BABU

SRI R.RAMAKRISHNA REDDY

Memben

SRIP. SIVASESHU

Coordinator

Dr.D.RAVIKANTH

Profesor & Head
Department of Mechnical Engineering
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Member

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## AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	Mechanical engineering	Year/Semester	11/111
Course Name	CATIA(SKOC)	Course Code	2003309

#### **Committee Members::**

S.No	Name	Role	Designation	Signature
1	D. Merwin Rajesh	Coordinator	Assistant .Professor	nou.
2	S. Mahaboob khan	Member	Assistant Professor	Nen
3.	P. Siva Seshu	Member	Assistant professor	Chm

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
		Strength	Weakness	
To check the Uniform Coverage of syllabus according to the Internal Examinations.      To overcome the	Students want to listen teaching in E-class mode because understand the significance and fundamentals of machine drawing and basics in catia v5     The concerned faculty identified	presentation, Pen tablet and	Difficult to understand the so many command and practice methods	Suggested to draw basic components IN CATIA V5 more .     Explaining the shortcuts and advanced commands
shortcomings from students' point of view, if any	few of them are not attending regularly. 3. Students Requested for more practice hours to practice	2. The related text books and practice manuals & materials are given before commencement of topics to be covered.		
	much	D. Merron Robert	10	
Member	Member	Coordinator	HOI	and

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# Department of Mechanical Engineering K.S.R.M COLLEGE OF ENGINEERING AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	II / III	
Course Name	FLUID MECHANICS AND HYDRAULICS	Course Code	2003302	

#### **Committee Members::**

S. No	Name	Role	Designation	Signature
1	SRI P.K. CHAITHANYA KANTH REDDY	Coordinator	Assistant Professor	pre.cut
2	SRI K.SURESH KUMAR	Member	Associate Professor	K.Su.
3	DR.P BHANU PRAKASH	Member	Associate Professor	RLL

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
		Strength	Weakness	
<ol> <li>To evaluate significance of this subject as PCC</li> <li>To check the Uniform Coverage of syllabus according to the Internal Examinations.</li> <li>To overcome the shortcomings from students point of view, if any.</li> </ol>	Students want to listen teaching in E-class mode because to understand the flow of water      The concerned faculty identified few of them are not attending regularly.	1. Usage of Power point presentation, Pen tablet and NPTEL and YOUTUBE videos for explaining each and every topic.  2. The related text books, digital notes are sent before the commencing the class.  3. Course material/handouts are supplied to the students before/after the class.	Difficult to analyse different Equations.  2.Difficult to remember the concept turbulent flows	1. Suggested to improve the skills in practicing the number of equations.

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SRI K.SURESH KUMAR DR.P BHANU PRAKASH SRI P.K		SRI P.K. CHAITHANYA KANTH REDDY	SRI DR.D.RAVI KANTH	
Member	Member	Coordinator	_ HOD	

Professor & Head

Department of Mechnical Engineering

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## AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	Mechanical Engineering	Year/Semester	II/III
Course Name	Manufacturin	Course Code	2003303
	Manufacturing Process	Date	20-01-2022

#### **Committee Members::**

S. No	Name	Role	Designation	Signature
1	Sri A.Harikrishna	Coordinator	Assistant Professor	A. Herkorshup
2	Sri.B.Srihari	Member	Assistant Professor	The sales
3	Sri.C.Nararaja	Member	Assistant Professor	Marps

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
		Strength	Weakness	
1. To assess the importance of this topic as PCC 2. To verify that the course is uniformly covered for internal exams. 3. To address any issues from the perspective of the students.	1. Students want to hear lectures in the online classroom so they can comprehend the importance of different manufacturing processes, their operating principles, and how to apply them to the production of different products.  2. The concerned faculty identified few of them are not attending regularly.  3. Few of them were identified by the concerned faculty as not attending frequently.	1. Powerpoint presentations, tablets, NPTEL, and YouTube videos are used to explain every subject. 2. Before the start of class, the relevant text books, solved problems, and digital notes are sent. 3. Course material/handouts are supplied to the students before/after the class	1 Some of the pupils are having trouble figuring out welding and foundry-related issues.	1. It is advised to attempt more GATE/IES examrelated problems and questions.

Member	Member	Coordinator	ProfessionDirect
Sri.B.Srihari	Sri.C.Nararaja	A. Henkingha Sri A.Harikrishna	Dr. D. Ravikanth

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#### FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	11 / 111
Course Name	FLUID MECHANICS AND HYDRAULIC MACHINARY LAB	Course Code	2003306

#### **Committee Members:**

S. No	Name	Role	Designation	Signature
1	SRI P.K.CHAITHANYA KANTH	Coordinator	Assistant Professor	P.U.C.
2	SRI P. SIVA SESHU	Member	Assistant Professor	(Ma)
3	SRI J. SURESH BABU	Member	Assistant Professor	Sionesta

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
		Strength	Weakness	
To evaluate significance of this lab     To check the Uniform Coverage of syllabus according to the Internal Examinations.  3. To overcome the	Students want to listen teaching in E-class mode because to understand the significance and working principles of various Machines and Turbines.     The concerned faculty identified few of them are not attending regularly.	Usage of Power point presentation, and YOUTUBE videos for explaining each and every topic.      The related lab manuals and digital notes are sent before the commencing the class.      Course material/handouts are	It is very difficult to get accurate readings due to errors in instruments.	1. They are designed and built to enhance measurement accuracy and to reduce measurement uncertainty.  2 Fluid mechanics and
shortcomings from students point of view, if any.		supplied to the students before/after the class		Hydraulic machinery labs are guaranteed to have personal with the highest level of technical competence.

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SRIP, SIVA SESHU	SRLJ. SURESH BABU	SRI P.K.CHAITHANYA KANTH	DR.D. RAVI KANTH
Member	Member	Coordinator	Profession& Head

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KADAPA - 516 903.

INTERNIT MEDICULA



### AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021--22

Department	MECHANICAL ENGINEERING	Year/Semester	\( I / II \)	
Course Name	MANUFACTURING TECHNOLOGY LAB	Course Code	2003307	

#### **Committee Members::**

S. No	Name	Role	Designation	Signature
1	Dr. P.Sreenivas	Coordinator	Assistant Professor	P. Speenium
2	C. Naga raja	Member	Assistant Professor	Wood for
3	Dr. P.BHANU PRAKASH	Member	Assistant Professor	Rhn

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
		Strength	Weakness	
1. To evaluate significance of this lab 2. To check the Uniform Coverage of syllabus according to the Internal Examinations.  3. To overcome the shortcomings from students point of view, if any.	Students want to listen teaching in E-class mode because to understand the significance and working principles of various engineering devices and applicatios.     The concerned faculty identified few of them are not attending regularly.	1. Usage of Power point presentation, and YOUTUBE videos for explaining each and every topic.  2. The related lab manuals and digital notes are sent before the commencing the class.  3. Course material/handouts are supplied to the students before/after the class	It is very difficult to prepare mould cavities of complicate shapes      It requires skill to perform some of the experiments	Student should have theoretical knowledge simultanouusly      Manufacturing Technology labs are guaranteed to have personal with the highest level of technical competence.
Meany	Show	9-SPECNIL	10)	Lune, D
Member	Member	Coordina		HOD

Professor & Head

Department of Mechnical Engineering

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## Department of Mechanical Engineering K.S.R.M COLLEGE OF ENGINEERING **AUTONOMOUS** FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	III/ V	
		Course Code	1803501	
Course Name	HEAT TRANSFER	Date	04/01/22	

#### **Committee Members::**

S. No	Name	Role	Designation	Signature
1	Sri C.NAGARAJA	Coordinator	Assistant Professor	mapa f.
2	Sri R. Rama Krishna Reddy	Member	Associate Professor	
3	Sri A. Hari Krishna	Member	Assistant Professor	Allos Krug

Purpose / Objective	Problems Identified Result A		Result Analysis	
		Strength	Weakness	
1. This course deals with the fundamentals of Heat transfer including systems and properties, 2. The relationships among the modes of heat transfer, the laws of heat transfer and applications of these basic laws in heat transfer 3. To check the Uniform Coverage of syllabus according to the Internal Examinations.	1. Students want to listen teaching in Eclass mode because to understand the significance and working principles of various engineering devices anCourse Code 1803501 transfed application of the heat transfer laws to various engineering devices.  2. The concerned faculty identified few of them are not attending regularly.  3. Students requested for local site visit of RTTP to see the actual working of Evaporator's and Condensers.	1. Usage of Power point presentation, Pen tablet and NPTEL and YOUTUBE videos for explaining each and every topic.  2. The related text books, solved problems and digital notes are sent before the commencing the class.  3. Course material/handouts are supplied to the students before/after the class	1. Difficult to derive the convection Equations and problems.	1.Suggested to solve more number of problems related to three dimensional problem of conduction  2. More emphasis on applying laws heat transfer to different engineering devices to evaluate their performance under different conditions.

A Hankur Member Member

Coordinator

Professor & Head

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## **AUTONOMOUS**

## FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

	76 1 ' Langingoring	Year/Semester	III/ V
Department	Mechanical engineering DME-I	Course Code	1803502
Course Name	DIVIE-1	Date	15-11-2021

## Committee Members::

mbers	•	Role	Designation	Signature
S.No	Name Sri. J.Suresh babu	Coordinator	Asst.Professor	Swest
1	SriD.Merwin Rajesh	Member	Asst.Profeesor	Day 0
2	Sri Ijas Ahammed	Member	Asst.Professor	7

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
1. To check the Uniform Coverage of syllabus according to the Internal Examinations.  2. To overcome the shortcomings from students' point of view, if any	1. Students want to listen teaching in E-class mode because understand the significance and fundamentals of Environmental Science.  2. The concerned faculty identified few of them are not attending regularly.  3. Students Requested for Ecosystem based analysis in Gears of Kadapa district (For	Strength  1.Usage of Power point presentation and YOUTUBE videos for explaining the Design of Machine elements and Use of data books 2. The related text books and Study materials are given before commencement of topics to be covered.	Weakness  1. Difficult to follow-up and facing issues to remember all the terms related to Engine components	1. Suggested to write all technical names in note book related to Design of machinelements. 2. Explaining more number of live projects and Uses or design in Automative fields.

10	1	Sweels
100	Member	Coordinator
Member	Kadapa.And	harPardesh-516003

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Prefessor & Head

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KADAPA - 546 9688



## Department of Mechanical Engineering

### K.S.R.M COLLEGE OF ENGINEERING **AUTONOMOUS**

## FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	Mechanical engineering	Year/Semester	III / V
Course Name		Course Code	1803513
	Thermal Engineering Lab	Date	22-10-2021

#### Committee Members:

S.No	Name	Role	Designation	Signature
1	K. Suresh Kumar	Coordinator	Associate Professor	K. Su. !-
2	S. Vijay Kumar	Member	Assistant Professor	S. Wijard
3	D. Merwin Rajesh	Member	Assistant Professor	Section

Purpose / Objective	Problems Identified	Result Ai	Suggestions for Improvement	
		Strength	Weakness	1 Suggested to
. To evaluate significance of this lab  2. To check the Uniform Coverage of syllabus according to the Internal Examinations.  3. To overcome the shortcomings from students point of view, if any.	1. Students have to conduct tests on computerized engines so that they can plot P-Theta diagram and can calculate more number of engine performance parameters.	1. Usage of Power point presentation, and YOUTUBE videos for explaining each and every topic.  2. The related lab manuals and digital notes are sent before the commencing the class.  3. Course material/handouts are supplied to the students before/after the class	As the engines are getting old, students are unable to conduct performance tests on the engines at full load conditions	replace Rope Brake, Belt Brake and Hydraulic dynamometers with Eddy current Dynamometers so that they can vary load from no load to full load 2.Suggested to develop virtual mode lab

D. Merwin Rajesh S. Vijay Kumar Member Member

K. Suresh Kumar Coordinator

Dr. D. Ravikanth
Professor & Head

Department of Mechnical Engineering
K.S.R.M. College of Engineering



## FIRST COURSE REVIEW COMMITTEE REPORT (CRC) PG 2021-22

Department	Mechanical engineering	Year/Semester	III/V
Course Name	MECHANICAL ENGINEERING LAB (CAD LAB)	Course Code	1803514

#### Committee Members::

S.No	Name	Role	Designation	Signature
1	Smt. E.REDDY GOWTHAMI	Coordinator	Assistant Professor	E. R. Gowlly
2	SRI S. VIJAY KUMAR	Member	Assistant Professor	5.100 port
3.	SRI B. SRIHARI	Member	Assistant professor	A Common of the

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
		Strength	Weakness	
1. To check the Uniform Coverage of syllabus according to the Internal Examinations.  2. To overcome the shortcomings from students' point of view, if any	1. Students want to listen teaching in E-class mode because understand the significance and fundamentals of machine drawing and basics in catia v5 2. The concerned faculty identified few of them are not attending regularly. 3. Students Requested for more practice hours to practice	1.Usage of Power point presentation, Pen tablet and YOUTUBE videos for explaining the basic command AUTOCAD  2. The related text books and practice manuals & materials are given before commencement of topics to be covered.	Difficult to understand the so many command and practice methods	Suggested to draw basic components IN AUTOCAD more.     Explaining the shortcuts and advanced commands
S. reijante	125	Smt. E.RPDDY		D. June
SRI S. VIJAY KUMAR	SRI B. SRIHARI	Smt. E.REDDY GOWTHAMI		RAVI KANTH
Member	Member	Coordinator	P	Hafebsor & Head For Mechnical Engineering



## **AUTONOMOUS** FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	Mechanical engineering	Year/Semester	IV/VII	-47
Course Name	CAD/CAM	Course Code	1803701	

#### **Committee Members::**

S.No	Name	Role	Designation	Signature
1	Sri.D. Merwin Rajesh	Coordinator	Asst.Professor	) ignature
2	Sri.R.Mahesh	Member	Assistant Professor	great C
3.	Sri I. Ijaj Mohammed	Member	Assistant Professor	- Hers

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
1. To check the Uniform Coverage of syllabus according to the Internal Examinations.  2.To overcome the shortcomings from students' point of view, if any	Students has to understand the significance and fundamentals of CAD/CAM     The concerned faculty identified few of them are not practicing problems and assignments regularly.	Strength  1.Usage of Power point presentation, and YOUTUBE videos for explaining the different real time layouts in industry  2. The related text books and Study materials are given before commencement of topics to be covered.	Weakness  1. Difficult to understand matrix and related problems	Suggested to understand the basic in advanced manufacturing process.     Explaining more number matrix problems

HOD
Professor & fread
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## FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	Mechanical Engineering	Year/Semester	III / V
Course Name	Additive Manufacturing	Course Code	1803512
Course Ivanie		Date	15-11-2021

#### **Committee Members::**

S.No	Name Dr.B.Sudharshan	Role Coordinator	Designation Asso.Professor	Signature Dy. R. Ruf
2	Sri.S.Mahaboobkhan.	Member	Assistant Professor	s. Milli
3	Sri.A.Harikrishna	member	Assistant Professor	Affectang

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
1. To evaluate Significance of this subject as PEC. 2. To check the Uniform Coverage of syllabus according to the Internal Examinations. 3. To overcome the shortcomings from students' point of view, if any	1. Students wants to listen teaching in Eclass mode because understand the significance and working principles of automation and robotics.  2. The concerned faculty identified, few of them are not attending online classes regularly.  3. Students Requested for site visit and study the significance of Project Planning	Strength  1. Usage of Pen tablet and YOUTUBE videos for explaining each and every topic.  2. The related text books, solved problems and digital notes are sent before commencement of topics to be covered.  3. Course material/handouts are given before/after class.	Weakness  1. Difficult to understand the components and working principles of automation and robotics  2. Difficult to Understand the Manipulator Kinematics, D-H notation joint coordinates and world coordinates in robotics actuators	Explaining topics showing photographs and with all necessary components.     To create a real time mini Project for actuator for easy understanding of students.     Explain many types of sensors and actuator with real time application.

C 11 =	111-51-08	Dr. B. Suel	D. John
	Member	Coordinator	Professor & Isend

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## AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	Mechanical Engineering	Year/Semester	III/V	
Course Name	Automobile Engineering	Course Code	1803506	
	(Professional Elective -I)	Date	15-11-2021	

#### **Committee Members::**

Ommittee	c Members			
S. No	Name	Role	Designation	Signature
1	Sri A.Harikrishna	Coordinator	Assistant Professor	A. Hackaha
2	Sri.B.Srihari	Member	Assistant Professor	de
3	Sri.D.Mervin Rajesh	Member	Assistant Professor	1de

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
		Strength	Weakness	
1. To assess the importance of this topic as PCC 2. To verify that the course is uniformly covered for internal exams. 3.To address any issues from the perspective of the students.	1. Students want to hear lectures in the online classroom so they can comprehend the importance of different manufacturing processes, their operating principles, and how to apply them to the production of different products.  2. The concerned faculty identified few of them are not attending regularly.  3. Few of them were identified by the concerned faculty as not attending frequently.	Power point presentations, tablets, NPTEL, and YouTube videos are used to explain every subject.     Before the start of class, the relevant text books, solved problems, and digital notes are sent.     Course material/handouts are supplied to the students before/after the class	1 Some of the pupils are having trouble figuring out welding and foundry-related issues.	1. It is advised to attempt more GATE/IES exam- related problems and questions.

Sri.B.Srihari	Sri.D.Mervin Rajesh	Sri A.Harikrishna	Dr. D. Ravikanth
Member	Member	Coordinator	НОД

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## **AUTONOMOUS** FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	III/ V	
Course Name	METROLOGY	Course Code	1803503	

#### **Committee Members::**

S. No	Name	Role	Designation	Signature
1	Dr. P SREENIVAS	Coordinator	Associate Professor	P. Speemins
2	Sri J SURESH BABU	Member	Assistant Professor	Surest
3	P. SIVA SESHU	Member	Assistant Professor	Im)

Purpose / Objective	Problems Identified	Result Analysis Suggestio		
1. To evaluate significance of this subject as PCC 2. To check the Uniform Coverage of syllabus according to the Internal Examinations. 3. To overcome the shortcomings from students point of view, if any.	Instruments thought in the class should be showed realistically to the students for easy understanding.     The students should know to use the instruments in real life.	1. Usage of Power point presentation, Pen tablet and NPTEL and YOUTUBE videos for explaining each and every topic.  2. The related text books, solved problems and digital notes are sent before the commencing the class.  3. Course material/handouts are supplied to the students before/after the class	Weakness  1. Many more new Instruments are used in Industries, need to visit the industry which have the new technology used for inspection.	Improvement  1. Need to visit the Nearest Industry whic uses the New technology for Inspection.

Member P Speening Member Coordinator

Profestion& head

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## AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

D	MECHANICAL ENGINEERING	Year/Semester	V SEM	
Department	MECHANICAE ENGINEERING	Course Code	1803504	
Course Name	DYNAMICS OF MACHINERY	Course code		

Committee Members::

S.No	Name	Role	Designation	Signature
1	R.Ramakrishna Reddy	Coordinator	Associate Professor	
2	B.Sreehari	Member	Assistant Professor	A
3	A.Harikrishna	Member	Assistant Professor	A. Herkolm

Purpose / Objective		Problems Identified	Result A	Result Analysis	
			Strength	Weakness	
This course deals with the study of the relative motion between the components of machines and the forces which act on those components.	class signifuech 2. The of the 3. St class mach	adentswant to listen teaching in E-mode because to understand the ficance and working of various sanisms.  e concerned faculty identified few em are not attending regularly.  Audents are advised to correlate the room teaching with the working sines present in the labs to restand the working principles ly.	1. Usage of Power point presentation, cut models, working models present in the labs and YOUTUBE videos for explaining each and every topic.  2. The related text books, solved problems and digital notes are sent before the commencing the class.  3. Course material/handouts are supplied to the students before/after the class	Difficult to understand the derivations and problems especially Gyroscope working	1.Suggested to solve more number of problems .  2. Advised to follow the working of Gyroscopic unit in the lab and try to do different types of experiments on Gyroscopic unit.
A. Harikrishna		B.Sreehari	R.Ramakrishn	a Reddy	Dr. D. Ravikanth
Member		Member	Coordina	ator	HOD

Professor & Head

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# Department of Mechanical Engineering K.S.R.M COLLEGE OF ENGINEERING(AUTONOMOUS) FIRST COURSE REVIEW COMMITTEE REPORT UG (CRC) 2020-21

Department	MECHANICAL ENGINEERING	Year/Semester	IV B.Tech VII Semester	
Course Name		Course Code	1803702	
	Finite Element Methods	Date	15-11-2021	

#### **Committee Members::**

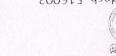
S. No	Name	Role	Designation	Signature
1	Sri S.Vijaya Kumar	Coordinator	Assistant Professor	S. Cossae
2	Dr. Dharnalingam Babu	Member	Assistant Professor	Ir. I horndagen belog
3	Dr.P.Bhanu prakash	Member	Associate Professor	DI all

Purpose / Objective	<b>Problems Identified</b>	Result Analysis		Suggestions for Improvement
		Strength	Weakness	
1.To Understand the mathematical and physical principles the Finite Element Method (FEM) as applied to solid mechanics structural, thermal, dynamic problem to develop the knowledge and finite element analyses.  2To check the Uniform Coverag of syllabus according to the Internal Examinations.  3.To overcome the shortcomings from students' point of view, if any	1. Typical problem areas of interest include the structural analysis, heat transfer, fluid flow, mass transport, and electromagnetic potential. Students wants to listen teaching in E-class mode because of understanding fundamentals of finite element analysis 2. The concerned faculty Identified few of them are not attending regularly.  3. Students Requested for study 1-D problems such as Bars and Beams	1. Excels the modeling inhomogeneous or complex materials. Modeling problems that combine small Detailed Geometries with Larger objects.  The related text books, solved problems and digital notes are sent before the commencing the class.  2. Course material/handouts are supplied to the students before/after the classUsage of Power Point Presentation and YouTube videos for Solving complex problems  3. The related text books are Refer before commencement of topics to be covered.	1. Absorbing boundary Required for modeling unbounded Problems. Difficult to modeling thin Wires Accurately 2. Difficult to understand the nodal points and Load acting on the intricate structure Domine 3. Difficult to Identify the Boundary conditions for Complex model shapes	1.To Understand the Formulation Techniques and General procedure of solving the problem by the Elimination Approach Suggested to solve more number of problems related to structural members. 2. Explaining How to Overcome Difficulties to solve the Problem of Displacements and Reactions on the given Structure 3. Prepare connectivity table including the different Loads acting on the given structure

Dr. Dharnalingam Babl
Dr. P.Blanu prakash
Sri S. Vijaya Kumar
Dr. D. Ikavikanth
HOD
HOD

Prefessor & Head

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Department of Mechanical Engineering

## K.S.R.M COLLEGE OF ENGINEERING **AUTONOMOUS**

## FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL	Year/Semester	IV/VII
	ENGINEERING	Course Code	1803703
Course Name	QUALITY ENGINEERIING MANAGEMENT	Course cour	
	MANAGEMENT		15-11-2021

## **Committee Members::**

Members:		Role	Designation	Signature
S. No	Name	Coordinator	Assistant Professor	18 Mar
	SRI P. SIVASESHU SRI R.MAHESH	Member	Asst. Professor	Luly
-		Member	Asso. Professor	In: Showelige belief
3	Dr .DHARMALINGHAMBABU	Memoc		a tions for

D. / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
1. To evaluate significance of this subject as PCC 2. To check the Uniform Coverage of syllabus according to the Internal Examinations. 3. To overcome the shortcomings from	1. Students want to listen teaching in E-class mode because to understand the significance of Material Science engineering 2. The concerned faculty identified few of them are not attending regularly.	Strength  1. Usage of Power point presentation, and YOUTUBE videos for explaining each and every topic.  2. The related subject material and digital notes are sent before the commencing the class.  3. Course material/handouts are supplied to the students	Weakness  1. Some of the students are facing problem to solve problems related to quality engineering methods	1 .If available number of new text books and new theoretical available that will useful to the student 2.Explaining topics showing photographs and with all Necessary Components.
students point of view. if any.		before/after the class	SESHUN)	Dr.D.RAVIKANTH

SRIP. SIVASESHU Dr. DHARMALINGHAMBABL SRIKMAHESH Coordinator Member Member

Professor & freed

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## AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

	Mechanical Engineering	Year/Semester	IV/ VII
Department	Production and Operations	Course Code	1803704
Course Name	Management	Date	04-01-22

## **Committee Members::**

			D	Signature
S.No	Name	Role	Designation Associate professor	VIC M MORTH
1	Dr. V. Saitya moorty	coordinator		0 > 1 0001.7
2	Sri.P. Sivaseshu	member	Assistant professor	Sh
3	Sri. Naresh kumar yadav	member	Assistant professor	N.K. Yadaw

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
		Strength	Weakness	
1. To evaluate Significance of this subject as PEC.  2. To check the Uniform Coverage of syllabus according to the Internal Examinations.	1. Students wants to listen teaching in E-class mode because understand the significance and working principles of production processes.	1. Usage of <b>Pen tablet</b> and <b>YOUTUBE</b> videos for explaining each and every topic.	Difficult to understand the components and working principles of production     Difficult to Understand the	1. Explaining topics showing photographs and with all necessary components.

3.To overcome the shortcomings from students' point of view, if any	2. The concerned faculty identified, few of them are not attending online classes regularly. 3. Students Requested for site visit and study the significance of Production processes	<ul><li>2. The related text books, solved problems and digital notes are sent before commencement of topics to be covered.</li><li>3. Course material/handouts are given before/after class.</li></ul>	objectives of management operations,. 3. lack of practical exposure related to industrial concepts.	real time mini Project on production processes for easy understanding of students. 3. To implement the concepts of I.I.I(Industry, Institution, Interaction)
Member Sri.P. Sivaseshu	Member Sri. Naresh kumar yadav	Coordinate  Dr. V. Saitya moorty		HOD r.D.Ravikanth



## FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	IV/VII
Course Name	INDUSTRIAL SAFETY AND MANAGEMENT	Course Code	1803710
mbers			DATE:15-11-2021

## **Committee Members::**

Designation Signature
I O P
Assistant Professor
r Asst. Professor
Misther.
r Asso. Professor
e

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for
1. To evaluate significance of this subject as PCC 2. To check the Uniform Coverage of syllabus according to the Internal Examinations. 3. To overcome the shortcomings from students point of view, if any.	1. Students want to listen teaching in E-class mode because to understand the significance and working principles of various manufacturing processes and application of these processes to manufacture various Products.  2. The concerned faculty identified few of them are not attending Regularly.  3. Students requested to arrange for	1. Usage of Power point presentation, and YOUTUBE videos for explaining each and every topic.  2. The related subject material and digital notes are sent before the commencing the class.  3. Course material/handouts are supplied to the students	Weakness  1. Some of the students are facing problem to understanding the topics related to other branches because its open elective course	1 .If available number of new text books and new theoretical available that will useful to the students. 2.Explaining topics showing photographs and with all Necessary
Dr.D.RAVIKANTH  Member	Dr.A.SARAVANA KUMAR  Member	SRIP. SIVAS  Coordinat	I AM V	Components.  DRAVIKANIII

KadadapanandharPardesh-516003

Coordinator

Department of McClinical Engineering
K.S.R.M. College of Engineering



## AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT UG (CRC) 2020-21

Department	MECHANICAL ENGINEERING	Year/Semester	IV B.Tech VII Semester
Course Name		Course Code	1803711
	Smart materials	Date	

#### **Committee Members:**

Member

S. No	Name	Role	Designation	Signature
1	Sri S.Vijaya Kumar	Coordinator	Assistant Professor	S. 206/apl
2	Sri.P.Sivaseshu	Member	Assistant Professor	ha

The state of the s		Identified Result Analysis		Improvement
		Strength	Weakness	
Materials and Models of Different Types of Smart Materials 2.To check the Uniform Coverage of syllabus according to the Internal Examinations. 3. To understand the principles and Essential Characteristics of Fiber-	1. Students want to listen teaching in E-class mode because to understand the Concepts of Memory Materials in Advanced Technology 2. The concerned faculty identified few of them are not attending regularly. 3. Students requested visit some you tube lectures, and NPTEL lecture to get more understanding the Subject	1. Usage of Power point presentation, and YOUTUBE videos for explaining each and every topic.  2. The related lab manuals and digital notes are sent before the commencing the class.  3. The related text books are Refer before commencement of topics to be covered	2.Could not identify properly about the students activity in E- class, 2. Smart materials can be difficult to stabilize for repeatability, they can be slower and weaker than conventional actuators and sensors, 3. Their performance can diminish over time, they may be difficult to control and they can be expensive.	1. The hidden face of this progress lies in advances of similar speed and importance i "smart materials".  2. The analysis, design and ingenuity put into this field hav made it possible to develop a family these materials

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Coordinator

HOD
Professor & Head

Department of Mechnical Engineering
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# Department of Mechanical Engineering K.S.R.M COLLEGE OF ENGINEERING(AUTONOMOUS) FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Dtout	MECHANICAL ENGINEERING	Year/Semester	IV / VII
Department Name	QUANTITATIVE ANALYSIS FOR		180E305
Course Name	BUSSINESS DECISIONS	Date	15-11-2021

#### Committee Members::

	Committee Members			
S. No	Name	Role	Designation	Signature
1	Dr. D. Ravikanth	Coordinator	Professor	Lo. David
2	Dr.P.Bhanu prakash	Member	Asso Professor	1.52
3	Dr.DharnalingamBabu	Member	Assistant Professor	Rebuil.

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvemen	
		Strength	Weakness	×	
1) Demonstrate the wide range of situations in which quantitative analysis improves decision making and creates competitive advantages; 2) Develop students' analytical thinking skills. 3) Develop mastery of analysis using spreadsheet models, and effective communication of results.	Students want to listen teaching in E-class mode because to understand the significance and working principles of various engineering devices and application of thermodynamic laws to various engineering devices.     The concerned faculty identified few of them are not attending regularly.     Students requested for local site visit of RTTP to see the actual working of steam turbines and Condensers.	1. Usage of Power point presentation, Pen tablet and NPTEL and YOUTUBE videos for explaining each and every topic.  2. Lectures in the classroom.  3. Readings from textbook and other assigned materials.  4. Course Projects.  5. Quizzes/exams.	1. The course covers origin and application of OR, 2. Linear Programming Method, 3. Decision Theory and queuing theory. These concepts help the student in taking decisions for business.	Suggested to more concentration on this topics  1. Linear programming. This technique basically helps in maximizing an objective under limited resources  2. Probability decision theory  3. Game theory  4. Queuing theory  5. Simulation  6. Network techniques.	

Dr. D. Ravikanth Dr. D. Ravikanth Dr.DharnalingamBabu Dr.P.Bhanu prakash Coordinator Member Member

Professor & Head

Professor & Head

Department of Mechnical Engineering

K.S.R.M. College of Engineering

KADAPA 516 003.



## **AUTONOMOUS** FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	Machanical andi-		
	Mechanical engineering	Year/Semester	IV/VII
Course Name	ENTERPRENEURSHIP	Course Code	180E306
			1002500

### **Committee Members::**

S.No	Name	Role	Designation	G:
1	Sri. D. Merwin Rajesh	Coordinator	Assistant Professor	Signature
2	Sri. A. Hari Krishna	Member	Assistant Professor	No.
3.	Sri. S. Mahaboob khan	Member	Assistant Professor	Hankson

Purpose / Objective	Problems Identified	Result A	Result Analysis	
To check the Uniform		Strength	Weakness	Improvement
Coverage of syllabus according to the Internal Examinations.  2.To overcome the shortcomings from students' point of view, if any	<ol> <li>The concerned faculty identified few of them are not attending regularly.</li> <li>Students are advised to study real entrepreneur case study.</li> </ol>	1.Usage of Power point presentation, and YOUTUBE videos for explaining the various parts in Automobile 2. The related text books and Study materials are given before commencement of topics to be covered.	1.as it is open elective outer department students has to understand few terms related to industry	Suggested to do follow the real time entrepreneurs behavior aspects .

A. Harkons	S. Mil Chi	A 0	
Sri. A. Hari Krishna	Sri. S. Mahaboob khan	D. Merwin Rajesh	Cri Dr. D. D. il
Member	Member	Coordinator	Sri. Dr. D. Ravikanth
			HOD

Professor & Head Department of Mechnical Engineering K.S.R.M. College of Engineering KADAPA - 516 993.



#### Department of Mechanical Engineering K.S.R.M COLLEGE OF ENGINEERING **AUTONOMOUS** FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	IV/VII
		Course Code	1803714
Course Name	METROLOGY LAB	Date	15/11/21

#### **Committee Members:**

S. No	Name	Role	Designation	Signature
1	C.NGARAJA	Coordinator	Asst.Professor	Jogana
2	S.VIJAYA KUMAR	Member	Asst.Professor	20 Saul
3	B.SRI HARI	Member	Asst.Professor	A

1. To evaluate significance of this lab 2. To check the Uniform Coverage of syllabus according to the Internal Examinations.  3. To overcome the shortcomings from students  1. Students want to listen teaching in E-class mode because to understand the significance and working principles of various engineering devices and applicatios.  2. The concerned faculty identified few of them are not attending regularly.  3. To overcome the shortcomings from students  2. Students want to listen teaching in understand the significance and working principles of various explaining each and every topic.  2. The related lab manuals and digital notes are sent before the commencing the class.	Suggestions Improveme	
of this lab 2. To check the Uniform Coverage of syllabus according to the Internal Examinations.  3. To overcome the shortcomings from students  E-class mode because to understand the significance and working principles of various engineering devices and applicatios. 2. The concerned faculty identified few of them are not attending regularly.  E-class mode because to understand, and YOUTUBE videos for explaining each and every topic.  2. The related lab manuals and digital notes are sent before the commencing the class.	Weakness	
point of view, if any.  3. Course material/handouts are supplied to the students before/after the class	very difficult to get ate readings due to rs in instruments.  1. They are desi and built to enh measurement acc and to reduce measurement uncertainity  2 Metrology lat guaranteed to personal with highest level technical compe	to enhance ent accuracy reduce arement tainity. ogy labs are ed to have I with the t level of

S-Volan Coordinator Member Member

Professor & Head

Department of Mechnical Engineering

K.S.R.M. College of Engineering

KADAPA - 516 003.



## Department of Mechanical Engineering

## K.S.R.M COLLEGE OF ENGINEERING **AUTONOMOUS**

## FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	IV / VII	100
		Course Code	1803715	
Course Name	1 & CS LAB	Date	15/11/2021	

## **Committee Members::**

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S. No	Name	Role	Designation	Signature
1	Sri B.SRI HARI	Coordinator	Assistant Professor	A STATE OF THE STA
2	Sri A.Saravan Kumar	Member	Professor	A. Jun
2	Sri P.Siva Seshu	Member	Assistant Professor	No.

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
1.To provide accuracy at minimum cost.	1. Students want to listen teaching in E-class mode because to understand the significance and working principles of various engineering devices and applicatios.  2. The concerned faculty identified few of them are not attending regularly.	Strength  1. Usage of Power point presentation, and YOUTUBE videos for explaining each and every topic.  2. The related lab manuals and digital notes are sent before the commencing the	Weakness  1. It is very difficult to get accurate readings due to errors in instruments.  2.Unfortunately ICS Components are not secure by design, these components must work all	1.Because of the number of processes involved in modern machines, accurate instrumentation is needed to ensure that everything is operating properly.
	regularly.	class.  3. Course material/handouts are supplied to the students before/after the class	the time in a protected environment otherwise they don't have mitigation measures.	

Member

B-SRIHARI)

Coordinator

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K.S.R.M. College of Engineering
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Kadapa, Andhar Pardesh - 516003



## AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	MECHANICAL ENGINEERING	Year/Semester	VII	
Course Name	MINOR PROJECT	Course Code	1803716	
		Date	15-11-2021	

#### **Committee Members::**

S. No	Name	Role	Designation	Signature
1	Sri.R.Mahesh	Coordinator	Assistant Professor	R Mula
2	Sri.S.Mahaboobkhan	Member	Assistant Professor	S. Malel
3	Dr.A.saravankumar	Member	Asso Professor	A. Chin

Purpose / Objective	Problems Identified	Result	Suggestions for Improvement	
		Strength	Weakness	
The Students apply the programming knowledge on real-world program.     To undertake a short research training outside the classroom	1. Need to visit the nearest Companies and know the problems in the Mechanical.	<ol> <li>Using of different Software's / analytical methods.</li> <li>Referring the different journals published.</li> </ol>	1. Need to visit the nearest Companies and know the problems in the Mechanical.	1. Visiting to the nearest companies and knowing the problems and giving the minor project to students and getting a solution to the problem and giving it to the Industries gives a Appreciation to The students as well as for the college.

	<u> </u>		
J. Mahalla	A. Ch	R.M.L.L	9.
Member	Member	Coordinator	Prof.HQD & Hoad
			Liniaguai ai in



# Department of Mechanical Engineering K.S.R.M COLLEGE OF ENGINEERING AUTONOMOUS FIRST COURSE REVIEW COMMITTEE REPORT (CRC) 2021-22

Department	Mechanical engineering	Year/Semester	VII	
Course Name	Introduction to Ansys	Course Code	1803717	
			Date:15-11-2021	

#### **Committee Members::**

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S.No	Name	Role	Designation	Signature
1	U.Pradeep Kumar	Coordinator	Asst.Professor	v. prædeop
2	D.Mervin Rajesh	member	Assistant Professor	soul
3.	Naresh kumar yadav	member	Assistant Professor	Narch

Purpose / Objective	Problems Identified	Result Analysis		Suggestions for Improvement
		Strength	Weakness	
1. To verify the Uniformity in the Coverage of syllabus according to the Internal Examinations.  2.To overcome the shortcomes from students' point of view, if any	Students want to listen teaching in E-class mode because to understand the significance of ansys     The concerned faculty identified few of them are not attending regularly.     Students Requested for the practice of exercises beyond syllabus and requires more practice sessions	1.Usage of Power point presentation, Pen tablet and YOUTUBE videos for explaining the various types of components in ansys 2. The related text books and Study materials are given before commencement of topics to be covered.	Difficult to remember all the commands of the software ansys	Suggested to get more practical sessions practical knowledge.     Explaining more number of projects related to Ansys
Jan.	D Naval	U. predeep 1	cumag	luk, l
Member	Member	Coordina	ator	HOD

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