

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

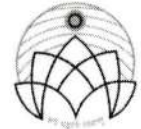
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Vishwothama Nagar, Bantakal-574 115, Udupi District, Karnataka, INDIA

DEPARTMENT OF MECHANICAL ENGINEERING



SMVITM

Dr. Gajanan Anne
Associate Professor & HOD

20 May 2022

Dr. Sudarshan Rao k
Professor & Dean (QA)
Department of Mechanical Engineering
SMVITM, Bantakal

Dear sir,

Subject: Requisition to be a resource person for certificate course on
"Introduction to Design Thinking"

With reference to above, Department of Mechanical Engineering is planning
organize a **certificate course on "Introduction to Design Thinking"** in the month of
June 2022. I am here requesting you to be a resource person for the course.

Thank you.


Associate Prof & Head
(Dr. Gajanan Anne)
Dept. of Mechanical Engg.
SMVITM, BANTAKAL 574115




Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
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SMVITM

Activity Request form

Academic Year	2021-22		
Department/Section/Committee/Cell	Department of Mechanical Engineering		
Name of the Activity	Certificate Course on Introduction to Design Thinking		
Target Audience	II and III year Mechanical Engineering Students		
Activity Date(s)	1-25 th June 2022	Time	-
Venue	Online mode and offline (ME202)		
Resource Person	Dr. Sudharshan Rao, Professor & Dean(QA), SMVITM		

Expected expenditure		
S. No.	Description	Amount
	NIL	NIL

(Add rows if required)

Source of fund (Sponsorship/Registration fee)		
S. No.	Description	Amount
	NIL	NIL

(Add rows if required)

Financial support required from the Institute	
-----------------------------------------------	--


Name of the ISTE Coordinator	Signature with date
Dr. Gajanan Anne	<i>[Signature]</i>
Name of Department HOD	Signature with date
	<i>[Signature]</i>

Anoop
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Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

Associate Prof & Head
Dept. of Mechanical Engg.
SMVITM, BANTAKAL 574115

Remarks by IQAC

May be conducted


Signature 28/5/22

Remarks by Principal

Permitted to conduct

4/28/22
28/5/2022

Signature

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DEPARTMENT OF MECHANICAL ENGINEERING



SMVITM

Dr. Gajanan Anne
Associate Professor & Head

CIRCULAR

28 May 2022

Department of Mechanical Engineering has organized a certificate course on "**Introduction to Design Thinking**" from 01 to 25 June 2022. You are here by informed to register for the same.

Course Coordinator



Associate Prof & Head
Dept. of Mechanical Engg.
SMVITM, BANTAKAL 574115
HOD

Class room circulation:

To be read in the classroom

Prof
28/5/22

Anoop

Principal

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Activity Report

Academic Year	2021-2022
Name of the Program	Certificate Course on " Introduction to Design Thinking "
Date	1 June 2022 to 25 June 2022
Target Audience	II and III year Mechanical Engineering Students
Resource person	Dr. Sudarshan Rao K Dean (QA) and Professor, Department of Mechanical Engineering SMVITM Bantakal
Venue	Online classes using Gmeet and offline workshop- ME202
Number of Participants	28

Internal Quality Assurance Cell (IQAC) of Shri Madhwa Vadiraja Institute of Technology and Management has organized 32 hours certificate Course on "**Introduction to Design Thinking**" from 1 June 2022 to 25 June 2022. The course was conducted in the blended mode (both online and offline).

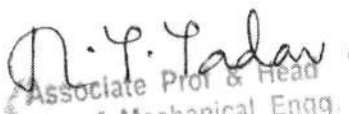
Online classes were conducted for the theory part (Unit 1 to 4) using Google meet platform. Classes were conducted for four weeks, on weekly Wednesday, Thursday and Friday from 8.00 pm to 9.30 pm. On 24 June 2022, students presented the case study on application of design thinking. Students presented cases on application of design thinking in TESLA Motors, Voltas air conditioner, General Motor Corporations, Apple computers etc.,

Design thinking workshop was conducted on 25 June 2022. In the workshop, many individual and group activities were conducted to understand the practical applications of design thinking tools. Students are asked to construct Empathy map, Customer Journey map, and Mind map for the given challenges. Also, students are informed to develop point of view statement, ideate and construct the prototype for paper clips and paper car.

Students performance assessed through Online quiz, case study presentation, and design thinking related activities conducted during the workshop.

Total 28 students attended and successfully completed the course and certificates issued to them.

Course content, Class schedule and Assessment details are attached.


Associate Prof & Head
Dept. of Mechanical Engg.
SMVITM, BANTAKAL 574115



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Online class and case study presentation

Meet - Design Thinking Course | New Tab | meet.google.com/wqj-kyyt-swi?authuser=2

Participants: K AMBRUTHESH ME, Sudarshan Rao K M..., Vikram, Sheshagiri Vallunt..., Anshuman, LIKHITH ME, RATHAN PATKAR ME, MOHAMMED RIDA..., K N SHREESHA ACH..., N GAUTHAM BHAT..., PRASHANTH ME, Mohammed Atliq, KIRAN ME has left the meeting, H J GAGAN ME, Prathik Ambalpady, 11 others, You.

9:06 PM | Design Thinking Course

Anshuman is presenting

Hummer Case Study

How GMC cashed in on trends

Participants: Sudarshan Rao K Mech, Anshuman, 15 others, You.

9:01 PM | Design Thinking Course

RATHAN PATKAR ME is presenting

BY:-
Rathan Patkar (19me015)
Sudeep Dhondya (19me022)
Shabarish Poojary (19me019)
Vignesh udupa (19me024)
Kiran (19me005)

Participants: Sudarshan Rao K Mech, RATHAN PATKAR ME, 22 others, You.

8:38 PM | Design Thinking Course

Principals
SHRI MADHVA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishweframa Nagar, Udipi Dist.

Design Thinking Workshop



Amcorp

Principal

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BANTAKAL - 574 115

Certificate course on Introduction to Design Thinking

Course Code: MW22DT

Year of Introduction: 2021-22

Course Faculty: Dr. Sudarshan Rao K, Dean (QA) and Professor, Department of Mechanical Engineering, SMVITM Bantakal.

Department: Mechanical Engineering

Course Duration: 32 Hours (4 Week) – 1 to 25 June 2022

Mode of Lecture delivery: Blended mode (both offline and online mode)

Offline class: First class (Introduction to Design thinking) - Wednesday, **1 June 2022** (3.00 pm to 4.30 pm) and DT workshop- Saturday, **25 June 2022** (9.00 am to 4.00 pm with 15 min break in the morning and afternoon session and 30 minutes lunch break)

Online class: Every week Wednesday, Thursday and Friday **8.00 pm to 9.30 pm**

Target audience: IV and VI semester Mechanical Engineering students

Unit	Course Content	Mode of delivery	No. of Hours
Unit 1 (Week1) 1 to 3 June	Design Thinking Background Introduction to the course, Invention, Innovation, Need of innovation, History of Design Thinking, Definition of Design Thinking, Difference between Product Design and Design Thinking, Design Thinking Mindset	Offline/ Online	6.5
Unit 2 (Week2) 8 to 10 June	Design Thinking Process Empathize, Define, Ideate, Prototype, Test	Online	4.5
Unit 3 (Week3) 15 to 17 June	Design Thinking Tools Visualization, Journey mapping, Mind mapping, Prototyping, Storytelling, Value chain analysis, Assumption testing, Rapid concept development, Co-creation	Online	4.5
Unit 4 (Week4) 22 to 24 June	Application of Design Thinking Application of design thinking in healthcare, education, product development, sports, Human Resource, advertising and marketing, automobile, IT industry	Online	4.5
Unit 5 (Saturday, 4 th Week) 25 June	Design Thinking workshop In the workshop, learners are formed into groups and activities will be conducted for each phase of design thinking	Offline	6

Course Outcome

CO No.	At the end of the course, learner will be able to	Bloom's Level
CO1	Explain theory and practice in design thinking	L2
CO2	Apply various design thinking tools for problem solving	L3

CO3	Explain the application of design thinking techniques	L2
CO4	Develop and present design ideas through different design thinking tools and techniques	L4

Assessment details:

S. No.	Assessment method	Unit	Assessing	Maximum Marks	Minimum Marks
1	Online quiz (<i>Best 4 out of 6 quizzes of 10 marks each</i>) Quiz 1- 2 June 2022 Quiz 2- 3 May 2022 Quiz 3- 9 June 2022 Quiz 4- 10 June 2022 Quiz 5- 16 June 2022 Quiz 6- 17 June 2022	Quiz 1&2 Unit 1 Quiz 3 & 4 Unit 2 Quiz 5 &6 Unit 3	Individual	40	20
2	Case study presentation 24 June 2022	Unit 4	Group of 4 members	20	10
3	DT workshop activities (<i>Individual 20 marks, Group 20 marks</i>) 25 June 2022	Unit 5	Individual and Group of 4 members	40	20
Total				100	50

Attendance requirement: Minimum 90% attendance

Teachmint tool for class management and live quiz and interaction

Google meet for online class and

Google form for online quiz

Teachmint enrolment link:

<https://www.teachmint.com/enroll/4293216316/6229bcdcc4f543e11a6e8159>


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S. No.	Name	USN	Quiz 1	Quiz 2	Quiz 3	Quiz 4	Quiz 5	Quiz 6	Total (Best 4)	Case Study	Individual Activity	Group Activity	Total (100)	Attendance Percentage
1	Anshuman	4MW20ME003	5	5	9	9	9	9	36	20	18	18	92	100
2	CHANDAN NELLI M K	4MW18ME004	0	0	0	0	10	7	17	18	17	20	72	95
3	Chetan A Naik	4MW19ME002	9	7	8	7	8	9	34	18	17	18	87	95
4	K Ambruthesh	4mw19me004	9	6	9	7	10	7	35	17	17	17	86	100
5	K N Shreesha Achar	4MW20ME004	7	7	8	0	6	9	31	19	18	18	86	100
6	Kiran	4MW19ME005	5	6	9	7	10	7	33	17	18	19	87	100
7	Likith	4MW19ME006	9	8	8	8	9	7	34	17	19	19	89	100
8	Mohammed Athiq	4mw20me007	7	8	7	6	8	9	32	18	17	17	84	90
9	Mohammed Ridan	4MW19ME009	9	0	8	7	10	7	34	19	18	17	88	95
10	N. Gautham Bhat	4MW19ME010	5	7	8	0	0	10	30	20	19	19	88	90
11	Nikhil Kumar Moolya	4MW19ME011	4	7	9	7	9	6	32	17	17	17	83	100
12	Prashanth	4mw19me013	6	0	9	7	4	8	30	17	17	18	82	85
13	Prathik	4MW20ME400	9	8	9	7	10	8	36	18	19	18	91	100
14	Prathviraj	4mw20me401	9	0	9	7	9	6	34	18	19	18	89	100
15	Punith R	4MW19ME026	9	7	9	7	8	7	33	17	18	18	86	90
16	RATHAN PATKAR	4MW19ME015	8	8	9	7	10	7	35	18	19	19	91	100
17	Rohan U Palan	4MW20ME008	7	7	7	3	6	9	30	17	18	17	82	100
18	Sathwik.S	4mw19me017	8	9	7	7	10	8	35	17	18	19	89	100
19	Sayed Mohammed Hussain	4MW19ME018	9	9	8	0	8	10	36	16	18	18	88	100
20	Shabarish R Poojary	4MW19ME019	9	7	9	7	10	7	35	17	19	19	90	100
21	Sharath kumar.s	4MW20ME402	9	8	9	7	10	7	36	17	16	17	86	100
22	sharon eden menezes	4MW19ME020	9	8	0	8	7	9	34	13	16	16	79	80
23	Sheshagiri Pai	4MW20ME403	9	8	9	7	10	8	36	18	19	19	92	100
24	Subramanya s poojary	4mw19me021	9	0	8	7	10	6	34	17	16	16	83	90
25	Sudeep Dhondya	4MW19ME022	9	7	6	7	8	7	31	16	17	18	82	95
26	Vighnesh udupa	4mw19me024	9	8	0	7	8	0	32	16	17	17	82	85
27	Vikram	4MW20ME012	10	8	6	5	6	9	33	17	18	18	86	100
28	Welton Aslam d souza	4mw19me025	6	6	9	5	5	8	29	13	17	16	75	90

27 responses

4MW20ME400

4MW19ME021

4MW19ME020

4MW19ME017

4MW18ME004

4MW19ME011

4MW19ME010

4MW19ME024

4MW20ME402

4MW20ME003

4MW19ME004

4MW20ME012

4MW20ME403

4MW19ME026

4MW19ME018

4MW19ME013

4MW19ME002

4MW20ME401

4MW19ME025

4MW20ME007

4MW19ME022

4MW19ME009

4MW19ME015

4MW19ME005

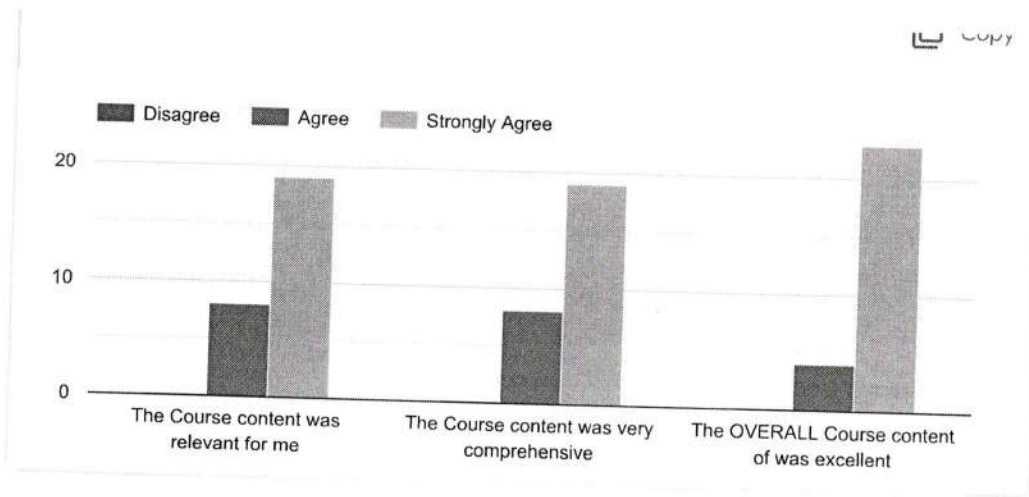
4MW19ME006

4MW20ME004

4MW19ME019

Feedback about the Course Content

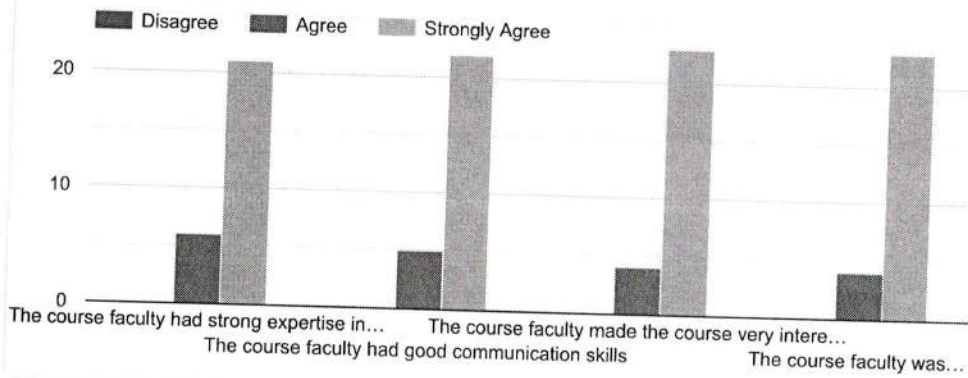

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Feedback about the faculty and Teaching

About the faculty and Teaching

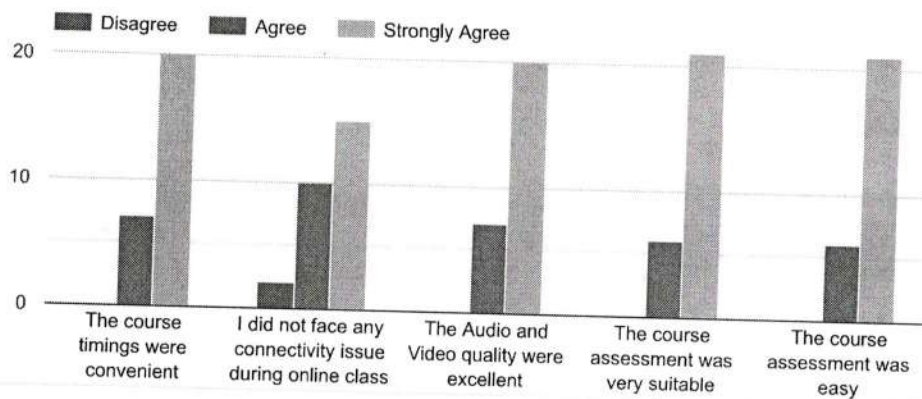
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Feedback about the technical aspects and course assessment

About the technical aspects and course assessment

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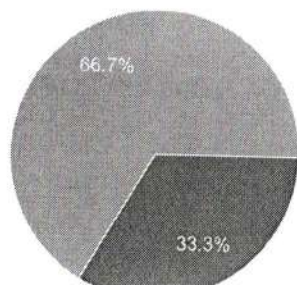


Overall feedback on the course

Overall the course enhanced my knowledge

Copy

27 responses



- Disagree
- Agree
- Strongly Agree

most interesting topic/session of the course is/are

27 responses

Workshop

Workshop

All

About different types mapping

building Car model

Ppt presentation.

Modeling

Case study

Prototype and mvp

The stages involved in prototyping and testing

Thinking

Ideate,mvp

Every topics in the course were interesting

Application of Design Thinking in Automobile Industry and the workshop

Workshop was really interesting also enjoyed the online classes

Car building process

Design thinking tools

Last day of the course

Car prototyp,Team name plate design

Using brain to go out of box

design thinking workshop

Work shop

Prototype


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Least interesting topic/session of the course is/are

27 responses

Empathy map

None

Mind mapping

Nothing

General explanation about DT

Nothing like least interesting.

NA

Empathy Map

All

Nothing...all sessions are good

No topic

No

Mind making

None

Customer Journey Mapping

Some of the theory about the course.

Emathy map

Prototype

Non

Workshop - creativity

Non

Online classes

Mind maping

Defination

Ansco

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major take away from this course

27 responses

Knowledge

Problem solving techniques

All

More like understanding a company based value

I learned major process of design thinking

Design thinking basics.

Design thinking technique and enhanced strategies

Improved design thinking skills

➔

To improve our design thinking knowledge.

Ideation is a crucial part of product enhancement. And no idea is irrelevant.

Ideas

Problem solving technic

It is helpful in daily life

Thinking out of the box

Main point was to understand the things and analyse the problem it might have, and solving them by design thinking abilities

Design thinking skills

Design thinking skill

Thinking differently

Creative thinking

Useful

Learnt to enhance the skills

Very useful

Knowledge

The creative designer interprets the design brief not as a specification for a solution, but as a starting point for a journey of exploration

Usefull


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Your final remarks/comments on the course

27 responses

Good

Good course and faculty

Good

Very good sessions

Nothing

Overall it was good to have such courses

Want more courses like this.

Overall course was very interactive

The course was really good and knowledgeable and has helped me improve my design thinking skills.

Nice

This course is very good.

Excellent course. Very intuitive

No

9/10

The course was very helpful

Interesting course that taught me that we should find solutions to complex things and make usefull things out of anything that we might see as trash.

Very knowledgeable course

None

Improved the way of thinking

Awesome

Valuable course

It is intresting

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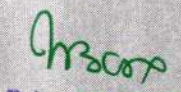
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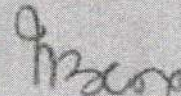


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This is to certify that Mr. Anshuman has
successfully completed thirty two hours course on "Introduction to
Design Thinking" organized by the Internal Quality Assurance Cell of the
college during June 2022 with the consolidated score of 92%.


Dr. Sudarshan Rao K
Professor & Dean (QA)
Course Faculty


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Dr. Thirumaleshwara Bhat
Principal,
SMVITM Bantakal

Certificate ID: MW22DT101

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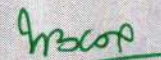


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This is to certify that Mr. Chandan Nelli M K has
successfully completed thirty two hours course on "*Introduction to
Design Thinking*" organized by the Internal Quality Assurance Cell of the
college during June 2022 with the consolidated score of 72%.

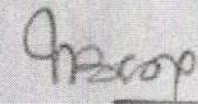


Dr. Sudarshan Rao K
Professor & Dean (QA)
Course Faculty



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Dr. Thirumaleshwara Bhat
Principal,
SMVITM Bantakal

Certificate ID: MW22DT102

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DEPARTMENT OF MECHANICAL ENGINEERING

Dr. Gajanan Anne
Associate Professor & HOD

27 June 2022

Letter of Appreciation

This is to place on record our sincere appreciation to Dr. Sudarshan Rao K, Prof. & Dean (QA), SMVITM for being a resource person for the certificate course on "Introduction to Design Thinking" organized by Department of Mechanical Engineering from 01 to 25 June 2022.

Thank you.

(Dr. Gajanan Anne)
Associate Prof & Head
Dept. of Mechanical Engg.
SMVITM, BANTAKAL 574115



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