

Department of Mechanical Engineering

Innovative Teaching Method - Report

Academic Year –2021-22	Class -SE
Semester–II	Date: 30 /04/2022
CO:CO1,CO2,CO3,CO4,CO5,CO6	PO:PO1, PO2, PO9, PO12

1. **Title of Innovation method/activity:** Mind map by using Google Classroom

2. Link shared to the students:

<https://classroom.google.com/w/NDU2MDkyNTAwODk1/tc/NDgzODQyMzk1ODEx>

3. Name of Faculty: Ms.S.D.Marathe

4. Course :Engineering Mathematics-III (207002)

5. Objective of Method

- a. Clear the concept.
- b. It helps students to think individually.
- c. More involvement of students.

6. **Topic Covered through Activity**

Engineering Mathematics-III

7. **Description of method with Benefits(8 –10 lines)**

Description of method

Monitor and support students for performing Activity:

By using this method we are able to check the concept understood by the students. Also students get engaged and show their creativity while preparing Mind Map. Students are able to revise the topic very easily.

Benefits of method

- It helps students to think individually about a topic and clear their concept.
- It helps students to develop their creativity.
- It helps students to understand the concepts and revise the topic.
- Students know the application which increase the interest of students in Mathematics

8. Roles and Responsibilities

• Teacher

- Elaborate regarding activity.
- Encourage students to prepare Mind Map and upload it on Google Classroom.
- Provide the study material on Topic .
- Remain available during the completion of the task.
- Prepare assessment methodology.

• Student

- Go through the concept of the topic.
- Understand the concept and show their creativity independently while preparing the Mind Map and upload the PDF on or before the given time.
- Actively participate in Mind Map activity and contribute their knowledge regarding the topic covered.

9. Assessment Tools : Maximum Marks 25

Involvement , Understanding and performance	10	7	4
	Excellent	Good	poor
	All topics are covered with correct procedure and application.	some topics are covered with correct procedure and application	Few topics are covered with some error in procedure and application is missing
Presentation and Organization	10	7	4
	Excellent	Good	poor
	Neatness is Good and with creativity	Neatness is OK and with less creativity	less Neatness and with no creativity or file of other student is uploaded
Timely submission	5	3	0

	Excellent	Good	poor
	submitted within deadline	late Submitted	not submitted

10. Evaluation sheet of attendee: Separate sheet attached.

Rol I No	Seat No	Name of Student	Involvement , Understandi ng & Performanc e (10)	Presentati on Organizat ion (10)	Timely Submiss ion (5)	Total (25)
	S190290801	ADHE CHINMAY YOGESH	9	8	5	22
	S190290802	ADKE ROHAN SANJAY	10	8	5	23
	S190290804	AHER MITALI SANJAY	10	8	5	23
	S190290805	AHER ROHAN VIJAY				0
	S190290806	AHIRE GAURAV SHAIENDRA				0
	S190290807	AHIRRAO SHREYAS SANJAY	7	7	5	19
	S190290808	ALAI VIDHAN SANJAY				0
	S190290810	ASWAR VISHAL ANIL	7	8	5	20
	S190290811	ATAKARI KAUSTUBH RAJU	10	8	5	23
	S190290812	ATHARVA DATTATRAY SHELKE	10	8	5	23
	S190290814	CHOUDHARY AUGOM SANJAY	7	7	4	18

	S190290815	AVHAD PRASAD DNYANESHWAR	10	9	5	24
	S190290821	BAIRAGI AKSHAY NARAYANDAS	10	9	5	24
	S190290822	BANKAR SANIKA SANJAY	8	8	5	21
	S190290823	BELGAONKAR HARSH HEMANT	7	7	4	18
	S190290824	BHAMARE RITESH ATUL	7	7	4	18
	S190290825	BHANGARE HRISHIKESH BHAGAWANT	7	7	5	19
	S190290826	BHOSALE SAMARTH VIJAY	8	8	4	20
	S190290827	BHOSALE VINIT SATISH	7	7	4	18
	S190290828	BHUSARE DARSHAN SUNIL				0
	S190290829	BORGUDE SNEHAL ANANDRAO				0
	S190290830	BORSE AARADHY JAGDISH	8	8	4	20
	S190290831	BORSE GIRISH NANDKISHOR	8	8	5	21
	S190290832	CHAITANYA NANDU THAKARE	10	9	5	24
	S190290833	CHAUDHARI HARSH PAWAN	10	9	5	24
	S190290834	CHAUDHARI KHUSHAL MANOHAR	9	9	5	23

	S190290835	CHAVAN SUJATA DAGA	7	8	5	20
	S190290836	CHORDIYA SUCHIT MADANLAL	7	7	4	18
	S190290837	DATIR JAYESH SHIVAJI				0
	S190290838	DEORE MOHIT SAMADHAN				0
	S190290839	DEORE NACHIKET SAHEBRAO				0
	S190290840	DEORE SAURABH TUSHAR	8	8	4	20
	S190290841	DESHPANDE ATHARVA KISHOR	7	8	4	19
	S190290842	DEVKAR PRATHAMESH MANOJ				0
	S190290843	DHATRAK CHAITALI SOMANATH	7	8	3	18
	S190290844	DHERINGE PRASAD SAHEBRAO	8	7	4	19
	S190290845	DIKSHANT PRAMOD PATIL	8	8	4	20
	S190290846	DOKHE SIDDHARTH SHARAD				0
	S190290848	FULPAGARE GAURAV KIRANKUMAR	8	9	5	22
	S190290849	GADEKAR ADITYA DADARAO	7	8	3	18
	S190290850	GADHAVE AKASH SUBHASH	10	8	5	23

	S190290851	GAIKWAD VIVEL AJAY	10	9	5	24
	S190290852	GAMANE RITESH PRAKASH	10	9	5	24
	S190290853	GANGURDE SOURABH RAHUL	10	9	5	24
	S190290854	GANGURDE YASH RAJENDRA				0
	S190290856	GHUGE BHUSHAN NAMDEV	10	8	5	23
	S190290857	GHUMARE SHANTANU NANDKISHOR	8	8	4	20
	S190290858	GOJARE RUTUJA DHONDIRAM	7	8	4	19
	S190290859	GUPTA VISHAL PRADEEP	9	9	3	21
	S190290860	HADPE HARSHAD BALKRUSHNA	8	8	5	21
	S190290861	KALASE HARSHADA RAGHUNATH	8	7	4	19
	S190290862	HIRE ANIKET RAJENDRA	7	7	4	18
	S190290863	HODE SUSHANT LAXMICHAND	6	7	4	17
	S190290864	IGWE SAMEER DNYANOBA	8	8	4	20
	S190290865	JADHAV BHAVESH PRAVIN				0

	S190290866	JADHAV PAYAL SANJAY	7	8	5	20
	S190290867	JADHAV SHRINIWAS DILIP	7	7	3	17
	S190290869	JANGID HARSHAL OMPRAKASH	7	7	3	17
	S190290870	JOSHI AADITYA SUHAS	6	7	5	18
	S190290871	JUNGHARE YOGITA TIKARAM				0
	S190290872	KAKADE DEVENDRA ARVIND	7	7	3	17
	S190290873	KANADE ABHIMANYU BHAGWAN	7	7	5	19
	S190290874	KASAR VAISHNAV KAILAS	8	7	4	19
	S190290875	KASTURE SARTHAK RAJESH	8	8	5	21
	S190290876	KAUTHE PRERNA SUNIL				0
	S190290877	KEDARE ABHISHEK SUBHASH	7	7	4	18
	S190290878	KHADE RUSHABH DNYANESHWAR	7	8	4	19
	S190290879	KHAIRNAR TANVI MACHINDRA				0
	S190290880	KOTHAWALA SARVESH NARESH	7	7	3	17

	S190290881	KOTKAR OMKAR ANIL	6	7	5	18
	S190290882	KSHIRSAGAR UMESH SHARAD	8	7	4	19
	S190290883	KULTHE PRATHAMESH PRASHANT	8	8	5	21
	S190290884	KUMAR ABHISHEK SANTOSH	6	7	5	18
	S190290885	KUMBHARKAR SAURABH DNYANESHWAR	6	7	5	18
	S190290886	KUYATE ADITYA SUNIL	6	7	5	18
	S190290887	MAHAJAN ANIKET SUNIL	8	8	5	21
	S190290888	MAHAJAN ROHIT JAGDISH	10	9	5	24
	S190290889	MAHALE YASH SANJAY	8	8	5	21
	S190290890	MALI MANAS NANABHAU	7	7	4	18
	S190290891	MANEKAR TUSHAR ASHOK	7	7	4	18
	S190290892	MANIYAR MOHAMMAD SALIQ NISAR	7	7	5	19
	S190290893	MANSURI MOHD TABISH HASHMUDDIN	8	8	4	20
	S190290896	MORE HARSH SUNIL	7	7	4	18
	S190290897	MORE SHUBHAM VISHWANATH	10	9	5	24

	S190290899	NICHIT ABHISHEK SUNIL	8	8	5	21
	S190290900	NIGUJKAR SAKSHI SUDHIR	7	7	4	18
	S190290901	NIKAM SAHIL MANOJ	7	7	4	18
	S190290902	GARDE NILESH VIKAS	7	7	5	19
	S190290903	PAGAR ADITYA DHANANJAY	8	8	4	20
	S190290904	PAL SATYAM LALLAN	7	7	4	18
	S190290905	PARDESHI DURVANKUR ANIL				0
	S190290907	PATEL BANSIL PRAKASH				0
	S190290908	PATHAN AMAN ANSAR	8	8	4	20
	S190290911	PATIL GAURAV UMESH	8	8	5	21
	S190290913	PATIL KARAN CHANDRAKANT	10	9	5	24
	S190290914	PATIL KUNAL PRADIP	10	9	5	24
	S190290915	PATIL NIKETAN JAGDISH	9	9	5	23
	S190290917	PATIL PRATIK SANDIP	7	8	5	20
	S190290919	PATIL SUYOG MAHENDRA	7	7	4	18
	S190290920	PATIL TEJAS SUBHASH				0
	S190290921	PATIL YATIN KISHOR				0

	S190290923	PAWAR MAYUR CHANDRAKANT				0
	S190290924	PAWAR NALIN PRABHAKAR	8	8	4	20
	S190290925	PAWAR SUSMIT RAJENDRA	7	8	4	19
	S190290926	PAWAR VAIBHAV SANDEEP				0
	S190290927	PAWAR YASH RAJU	7	8	3	18
	S190290928	PAWASE SAHIL RAMHARI	8	7	4	19
	S190290929	PINGLE GANESH SUBHASH	8	8	4	20
	S190290930	PRAJWAL VALMIK PADOL	10	9	5	24
	S190290931	RAHUL SABAPATHY	8	8	5	21
	S190290932	RAKIBE PRACHI TRAMBAK	7	7	4	18
	S190290933	RATNAKAR DEVESH MAHESH	7	7	4	18
	S190290934	RAYATE GAURAV DHANAJI	7	7	5	19
	S190290936	RUSHIKESH KEDARNATH KOKATE	8	8	4	20
	S190290937	SANAP BHAGYASHRI PRALHAD	7	7	4	18
	S190290939	SANGALE VIRAJ RAMKISAN				0
	S190290940	SANGLE BHARGAV DINESH				0

	S190290942	SHAH HUSSAIN MANSOOR	8	8	4	20
	S190290943	SHARDUL JITEN MADHUKAR	8	8	5	21
	S190290944	SHELAKE JAYDIP DATTU	10	9	5	24
	S190290945	SHELAR SUMIT RAMESHWAR	10	9	5	24
	S190290946	SHELKE KETAN KAILAS	9	9	5	23
	S190290950	SHINDE ADITYA RAMNATH	10	9	5	24
	S190290951	SHINDE GULAB AMBADAS	8	8	5	21
	S190290953	SHINDE PRANAV SUNIL	7	7	4	18
	S190290954	SHINDE SUDARSHAN BALASAHEB	7	7	4	18
	S190290955	SONAWANE DURGESH MANOJ	7	7	5	19
	S190290956	SONAWANE JAYANT DASHRATH	8	8	4	20
	S190290957	SONAWANE RENUKA RAVINDRA	7	7	4	18
	S190290958	SONAWANE YOG ANAND				0
	S190290959	SONDAWALE PRIYANSHU VISHAL				0
	S190290960	SURYAWANSHI NIKIT SATISH	8	8	4	20
	S190290961	THAKARE AADARSH VIJAY	8	8	5	21

	S190290962	THAKARE RUPESH SANJAY	10	9	5	24
	S190290964	THAKUR SAHIL RAJENDRA	10	9	5	24
	S190290965	THOMBARE YASH DATTATRAY	9	9	5	23
	S190290966	VAIDYA ISHWAR SUDAM	7	8	5	20
	S190290967	VEDANT MANOJ PINGALE	7	7	4	18
	S190290968	VYAS ATHARAV SUSHIL				0
	S190290969	WADER PRATEEK PRADEEP				0
	S190290971	WAGHMARE SAHIL SANTOSH				0
	S190290974	WANARE SAHIL AJAY	8	8	4	20
	S190290976	YADAV VIMLESHKUMAR RAMNARESH	9	7	5	21

11. Impact Analysis

Sr. No.	3-High/Excellent	2-Moderate /Average	1-Slight/Poor
1. Did you understand and cover the objective of the activity?	76.1	23.9	-
2. Do you find that methodology is helpful to cover the content beyond syllabus?	66.2	32.4	1.4
3.Does this help you increase your knowledge of the topic?	69	29.6	1.4

4. Does the content covered are relevant and will be helpful as a Life-long learning?	66.2	32.4	1.4
5. Do you want to conduct such an activity again?	64.8	32.4	2.8

12. Activity Picture

For example





13. For review and critique contact: e-mail address of faculty and HOD

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