

### Karmaveer Adv. Baburao Ganpatrao Thakare **College of Engineering, Nashik**





Permanently Affiliated to Savitribai Phule Pune University Vide Letter No.: CA/1542 & Approved by AICTE New Delhi - Vide Letter No.: 740-89-32 (E) ET/98 AISHE Code - C-41622

### **Department of Civil Engineering** Innovative Teaching Method - Inquiry Based Learning

Name of Faculty - Mr. R. C. Patil Academic Year-2022-23

Class – BE Semester I

Name of Subject: Transportation Engineering

### **Objectives of Methodology:**

- 1. Inquire about the different sign boards in vicinity.
- 2. Infer the sign boards inquired in vicinity referring IRC-67-2001 (Code of Practice for Road Signs).

### **Details of Activity/Method:**

**Activity** – Inquire and Infer about the different sign boards in vicinity.

- 1. Students shall identify different sign boards in the vicinity.
- 2. Infer the sign boards inquired in vicinity referring IRC-67-2001 (Code of Practice for Road Signs).
- 3. Prepared report on same.

#### **Assessment Tools & Rubrics:**

Roll No.		Students Nar	ne	4	4	2	10
01	Ahire	Krutika	Dilip	-	-	-	-
02	Avadhut	Amol	Arun	2	2	2	6
03	Avhad	Madhuri	Bajirao	2	2	2	6
04	Badhan	Rohit	Sanjay	2	2	1	5
05	Barkale	Rohit	Nandu	2	2	0	4
06	Behere	Mayur	Nitin	2	2	2	6
07	Bhadane	Pranjal	Sanjay	3	2	2	7
08	Chavan	Ruchi	Rahul	4	3	2	9
09	Chavan	Dhanashree	Satish	3	4	2	9
10	Dashpute	Hritik	Hemant	2	2	2	6

# बहुतान हिनाद बहुतान सुरमाग

### **MARATHA VIDYA PRASARAK SAMAJ'S**

### MECHANICAL COMPUTER INSTRUMENTATION AND CONTROL INFORMATION TECHNOLOGY (IT)



# Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik

11	Dhikle	Kaushik	Tukaram	2	2	2	6
12	Dond	Kartik	Sunil	3	2	2	7
13	Gaikwad	Rushikesh	Bapu	2	2	0	4
14	Gavit	Tanmay	Arjun	2	2	2	6
15	Gawali	Tejaswini	Ramesh	3	3	2	8
16	Ingale	Shweta	Vasant	3	3	2	8
17	Jadhav	Kaushal	Bharat	3	3	2	8
18	Jadhav	Prashant	Dinkar	2	1	1	4
19	Javalekar	Dhananjay	Hemant	-	-	-	-
20	Jawale	Saurav	Pramod	2	2	2	6
21	Junagade	Yash	Hemant	-	-	-	-
22	Katkade	Atharva	Padmakar	3	3	2	8
23	Khode	Sai	Chandrakant	3	3	2	8
24	Kochure	Shrikant	Vikas	2	2	1	5
25	Kuwar	Pravin	Ravji	3	3	2	8
26	Lokhande	Yash	Hemant	2	2	2	6
27	Mahewar	Sarvesh	Naresh	3	2	1	6
28	Mali	Rahul	Rambhau	2	2	2	6
29	Mogal	Vedant	Balasaheb	2	2	1	5
30	Nagpure	Kshitij	Nitin	2	1	1	4
31	Patil	Dipak	Suresh	3	3	2	8
32	Patil	Manish	Dinesh	3	3	2	8
33	Randhir	Nishant	Anil	3	4	2	9
34	Rathod	Mansi	Birbal	2	1	1	4
35	Salve	Sakshi	Milind	3	3	2	8
36	Shah	Nikhil	Shirish	2	1	1	4
37	Shermale	Roshan	Kautik	3	3	1	7
38	Sonawane	Sakshi	Vijay	4	3	2	9
39	Sonawane	Yugandhara	Rahul	4	3	2	9

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### **MARATHA VIDYA PRASARAK SAMAJ'S**





# Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik

40	Suryawanshi	Purva	Rajesh	4	4	0	8
41	Wagh	Pranit	Dinesh	3	3	2	8
42	Adroja	Jay	Ashokbhai	3	2	2	7
43	Ahirrao	Pratikshit	Prakash	3	2	2	7
44	Ambekar	Mandar	Pandurang	2	2	2	6
45	Bagade	Sejal	Prashant	3	2	2	7
46	Bhadane	Mayur	Keda	-	-	-	-
47	Bhagwat	Vaishali	Rajendra	3	4	2	9
49	Bhamare	Dhiraj	Bharat	-	-	-	-
49	Bhavsar	Sakshi	Ravindra	3	4	2	9
50	Bodke	Jeevan	Digambar	2	2	2	6
51	Borse	Tanuja	Sunil	3	4	2	9
52	Deore	Sagar	Sunil	-	-	-	1
53	Gahiwad	Dhaval	Deepak	-	-	-	1
54	Gujarathi	Aaditya	Rajendra	3	4	2	9
54	Hiray	Tushar	Anil	3	2	2	7
56	Jadhav	Neha	Anil	3	4	2	9
57	Kapure	Bhavesh	Manoj	3	4	2	9
58	Kudke	Pratik	Santosh	-	-	-	-
59	Malve	Priyanka	Mangesh	3	3	2	8
60	Mohite	Gaurav	Mahendra	2	2	0	4
61	More	Rohini	Vikas	4	3	2	9
62	Nikam	Shubham	Sandip	3	4	2	9
63	Paithankar	Himanshu	Santosh	3	4	2	9
64	Patil	Prithviraj	Rajendra	3	4	2	9
65	Patil	Ritu	Prakash	3	4	2	9
66	Patil	Vishal	Vijay	2	1	1	5
67	Pawar	Shivraj	Harshavardhan	3	2	2	7

# बहुजन हिनाद बहुजन सुरमार

#### **MARATHA VIDYA PRASARAK SAMAJ'S**

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68	Pawar	Bhavana	Dilip	3	2	2	7
69	Pitlewar	Parithoshika	Anil	4	4	2	10
70	Salunke	Yogesh	Manoj	3	2	2	7
71	Sanap	Vaibhav	Ramkrushna	3	4	2	9
72	Sanap	Shubham	Ramesh	4	4	0	8
73	Sangale	Vaishnavi	Ramdas	3	3	2	8
74	Savkar	Rakesh	Hiraman	3	3	2	8
75	Shelar	Chetan	Sanjay	2	3	2	7
76	Shelar	Vishal	Sanjay	3	2	2	7
77	Shirsath	Onkar	Ramdas	2	3	2	7
78	Sirame	Ajay	Maroti	-	-	-	-
79	Sonar	Khushali	Kishor	3	3	2	8
80	Sonawane	Shubham	Bhikaji	3	3	0	6
81	Suryawanshi	Kalyani	Vijay	3	3	2	8
82	Thankar	Abhishek	Ganesh	3	3	0	6
83	Ugale	Sanket	Ramkrushna	2	3	2	7
84	Vispute	Tanay	Deepak	3	2	2	7
85	Waklekar	Tejaswini	Sanjay	3	2	2	7
86	Kunal	Baraku	Vani	3	3	2	8
87	Anjali	Yuvraj	Watane	2	2	2	6

### **Course Outcomes (Related to Methodology)**

After the completion of this activity students will be able to:

	Course Outcome	BTL
CO1	Discuss the traffic engineering and control methods.	2

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After the completion of this activity students will be able to:

PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of
	complex engineering problems.
PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions
	using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that
	meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental
	considerations.
PO4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments,
	analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as,
	being able to comprehend and write effective reports and design documentation, make effective presentations, and give and
	receive clear instructions.
PO11	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work,
	as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest
	context of technological change.

### **PSOs** (Related to Methodology)

After the completion of this activity

PSO1	Graduates will apply technical knowledge, engineering skills, and competencies necessary for entering civil engineering career.
PSO2	Graduates will demonstrate knowledge and techniques in engineering fields for effective management and professional
	development.
PSO3	Graduates will apply technical and professional skills to be nationally competitive for employment/self employment thereby
	benefit the society.



### MECHANICAL COMPUTER INSTRUMENTATION AND CONTROL CIVIL INFORMATION TECHNOLOGY (IT)



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### **Evidences:**

	Sakshi Sonawane 38
7	NDMVP Samaj's, KBT COE, NASHIK
	Assignment No 2
g.	Identify the sign boards on the reads into your locative and also with the same get the geotage photograph for the same in addition with specification of dimensions of identified sign boards as per Is standards.
÷ ->	Iraffic signs which have backing of law in India, are incorporated in IRC: 67-2001 election 116 of the Indian Motor Vehicles Not, 1988 has coursed all the signs warranted by different traffic siterations and the designs of signs fully dimensioned.  In existing road signs (IEC: 67-1977) have been reviewed by the Juffic Engineering (ommittee of the Indian Toad congress in the light of recommendations made by various international conventions with a view to evolving a uniform and an efficient system of road signs swifing the present as well as future traffic.  The road sign or traffic sign is the most durices.
A	Purpose  i) To achieve oderly movement of traffic.  ii To control speed of relicles.  iii To control traffic behaviour such as parking, etc.  SAVE ENERGY & PROTECT ENVIRONMENT

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	in diath seran	nt.	1
	immediately appare		
To central intersection, installed.	traffic at importa	nt road junctions, or traffic signals are	
	(GIVE /)	STOP	-6
NO ENTRY	GIVE WAY MANDALORY SIGNE	STOP	
X			
CROSS ROAD	NARROW ERIDGE WARNING SIGNS	SPEED SKEAKER	(
	P	फरीवाजाद 3 FARIDABAD 3	
PUBLIC TELEPHONE	PARK THIS SIDE	DIRECTION SIGN	
	THEORMATORY SIGN	6	+

1	MVP Samaj's, KBT COE, NASHIK
1	
2.	Location - General rule is to locate diany on the
	Jocation- General rule is to locate signs on the heft hand side of road but, under some sircumstances such as sharp were to the left, the signs may be placed on the right hand shoulder or chamitzing island.
	Lircumstances such as sharp www. to the left,
	the signs may be placed on the right hand
	Sounder or Gamelzing Ward.
D.	Lypes of Road / Thaffix Light.  Le per the provisions of the Indian Moton.  Vehicles Lot to IRC code, the road Lights con.  Le classified in following three categories:  1) Lywide or Informatory signs  11] Regulatory or Mandatory signs.  11] Warning or cautionary signs.
6 -	I pur the provisions of the Indian Motor
	Vehicles Xct to IRC code, the road eights con
	le classified in following three calegories:
	Beautobay or Mandahay Stand
	all Marking of Caukonary dans.
1.	luide or Informatory eligne.
	The guide signs show routes distinations,
	designations, dischors, distances, services points of
6	Lywide or Informatory Ligns.  The guide signs show routes distinctions, discions, discharge, services parts of interest and other geographical or cultimal information.
11.	
11.	Regulatory or Mandatory sights.  The regulatory sights provide notice of statutory braffic laws and regulations which usually are uneforceable in absence of
	statutory traffic laws and regulations
	which usually are uneforceable in absence of
	such signs.
JI] -	Warning / Cautionary Signs
-	The warning / cautionary signs are provided to
	call attention to conditions which are potentially
	The warning / cautionary signs are provided to call attention to conditions which are potentially hazardeus to traffic operations and which otherwise
	"SAVE ENERGY & PROTECT ENVIRONMENT"

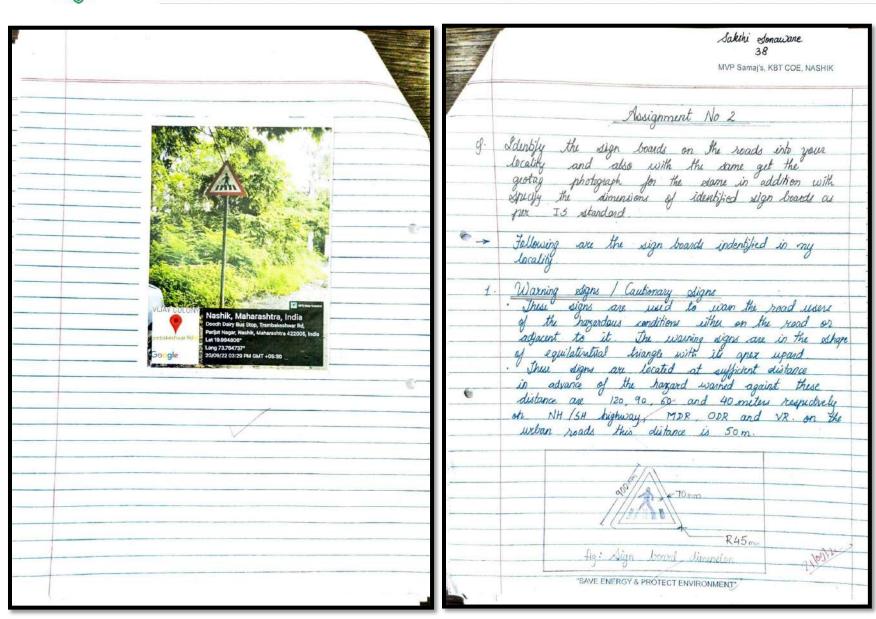
# बहुजन हिताय बहुजन सुरमास

#### **MARATHA VIDYA PRASARAK SAMAJ'S**

### MECHANICAL COMPUTER INSTRUMENTATION AND CONTROL CIVIL NATIONAL BOARD - INFORMATION TECHNOLOGY (IT)



# Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik



### - INFORMATION TECHNOLOGY (IT)

MECHANICAL
 COMPUTER
 INSTRUMENTATION AND CONTROL
 CIVIL



### **Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik**

7	MVP Samaj's, KBT COE, NASHIK		
2.	Informatory signs / Lyuiding Signs		
			-
	There origins are used to quide the road evers		
	along routs, inform them of distinction, distance and		
	previde with information to make travel easier		
	defe and pleant. These signs are grouped		
	under the following subtheads:		
e	These signs are used to quick the read evers along routes, inform them of distination, distance and provide with information to make travel easier, age and pleasant. These signs are grouped under the following subtheads:  i Direction and place identification sign  ii Facility information signs		-
	ii Jacility information signs		
	ii Jacility information signs  iii Other useful information signs  ixi Parking signs  These sign boards are fixed at 7 feet measuring vertically from the bottom of the sign to the top of the ker curb.		_
	These sign boards are lived at 7 lest measuring		
	vertically from the bottom of the sign to the		
	top of the ker curb.		
	West Williams Control		
e			6.
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	Sander Nagu		-
	Print Pulge Cate		+
+	Of Person States		
-		Marks	
	The Man of the second	R1 Comprehension 04,	
-	Q OPE Map Centers	R2 Accuracy / Appropriate/ 03	
	Nashik, Maharashtra, India 2098-242, DK Nagar Rd, D. K. Nagar, SANDE, Nashik, Maharathra 422005, India	Presentation R3 Puctuation 02	
	Nashik, Maharashtra 422005, India Lat 20.017003* Long 73.08506*	Total Man 20110	
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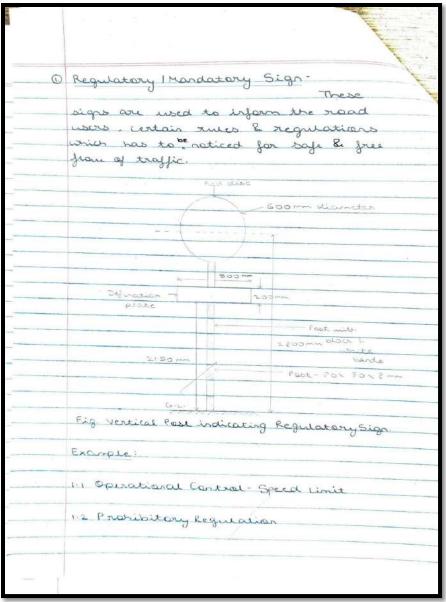


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4	Pithewar Parithabhika. Anil
7	BE CE - 69)
	N Company of the Comp
	Assignment - 2.
	1 ma the
br	estion- Identify the sign boards on the
	roads into your locality of
	the Geotag photograph
	to a dditain, often
	dimensions of the identified sign
	board as per IR Standards.
-	board as fees
1	
-	C:00 b:
F	Road Signs on Traffic Signs.
	are provided to warn, direct & quide the
-	I WELL WAS A
	or portable supports & are placed on the
	or portion of
	sides of zoads.
	a and Signat
	Purpose of Road Signs.
١.	To regulate the traffic by imparting messages
_	to the driver when to stap, give way or
_	limit their speeds.
2.	To give timely warning of hazardous situation
	when they are not say could
3	To supply information on highway routes.
	directions & points of interest.
$\rightarrow$	According to IRC: 67-1977 Cade-
	Road Signs
	Regulatory warring Informatory
	Regulatory warring Informatory Signs Signs Signs.  "SAVE ENERGY & PROTECT ENVIRONMENT"
	"SAVE ENERGY & PROTECT ENVIRONMENT"



# बहुजन हितार बहुजन सुरवार

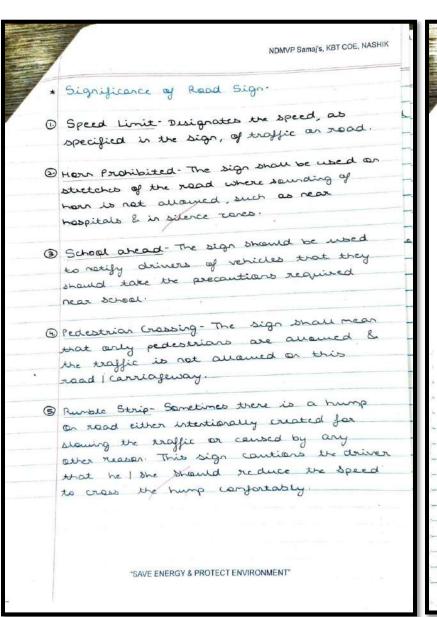
### **MARATHA VIDYA PRASARAK SAMAJ'S**

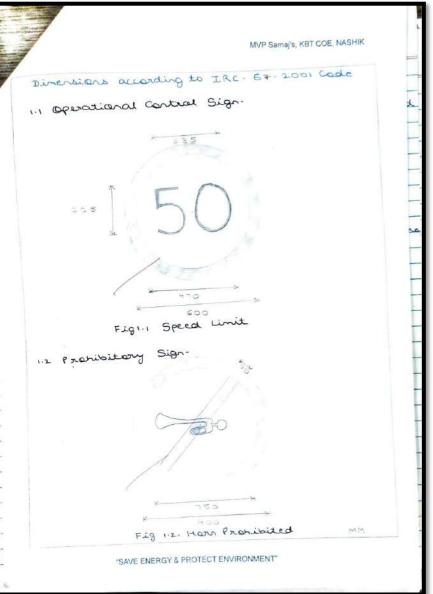
### NATIONAL BOA

MECHANICAL
 COMPUTER
 INSTRUMENTATION AND CONTROL
 CIVIL
 INFORMATION TECHNOLOGY (IT)



# Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik



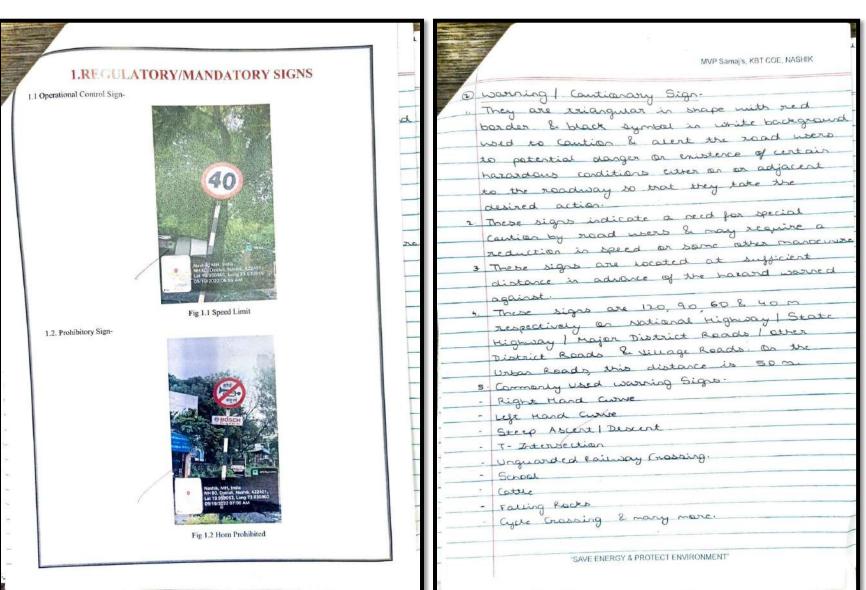




## Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik









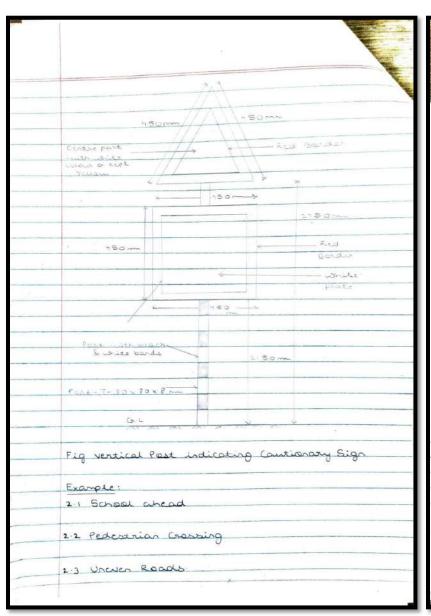
### NATIONAL BOARD

- COMPUTER
- INSTRUMENTATION AND CONTROL

CIVIL
 INFORMATION TECHNOLOGY (IT)



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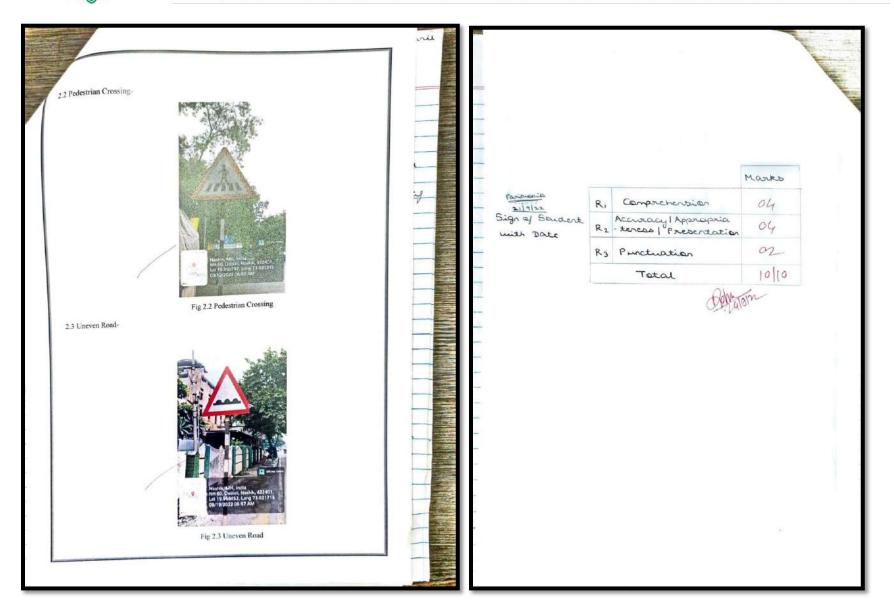


### - INFORMATION TECHNOLOGY (IT)

INSTRUMENTATION AND CONTROL
 CIVIL



### **Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik**





### MATIGNAL BOARD MECHANICAL COMPUTER INSTRUMENTATION AND CONTROL CIVIL NEFORMATION TECHNOLOGY (IT)

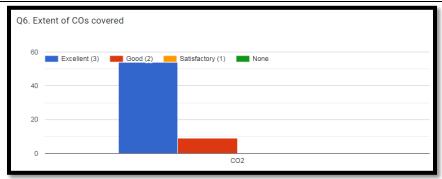


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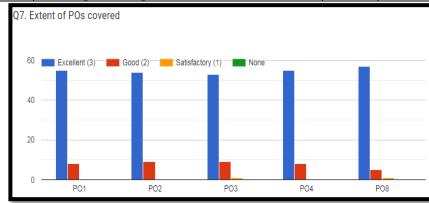
### **Course Outcome**

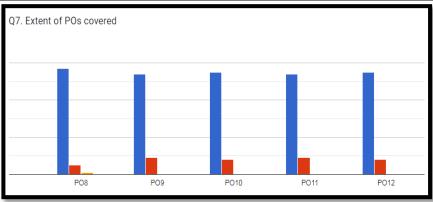
	Course Outcome	CO1
A	No. of Groups/Students Achieving CO	63
В	Total Rating	
С	Average Rating (B/A)	



### **Program Outcome**

	Program Outcome	PO1	PO2	PO3	PO4	PO8	PO9	PO10	PO11	PO12
A	No. of Groups/Students Achieving PO	63	63	63	63	63	63	63	63	63
В	<b>Total Rating</b>	181	180	178	181	182	180	181	180	181
C	Average Rating (B/A)	2.87	2.86	2.83	2.87	2.89	2.86	2.87	2.86	2.87





### **Program Specific Outcome**



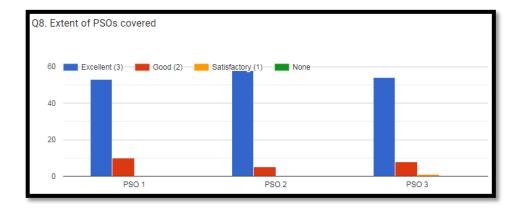
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	Program Specific Outcome	PSO1	PSO2	PSO3
A	No. of Groups/Students Achieving PSO	63	63	63
В	Total Rating	179	184	179
C	Average Rating (B/A)	2.84	2.92	2.84



### Impact Analysis for Methodology (Based on Students Feedback):

	Rating	Q1. Did you find the methodology	Q2. Is the content relevant?	Q3. Concept of the		
		helpful?		methodology.		
A	No. of Students	63	63	63		
В	Total Rating	186	184	184		
C	Average Rating (B/A)	2.95	2.92	2.92		

# बहुजन हितार। बहुजन सुखाय

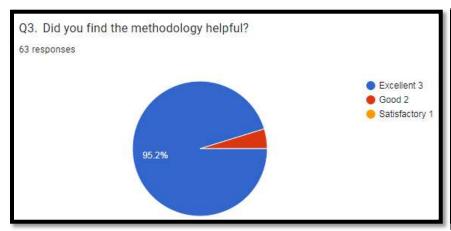
#### MARATHA VIDYA PRASARAK SAMAJ'S

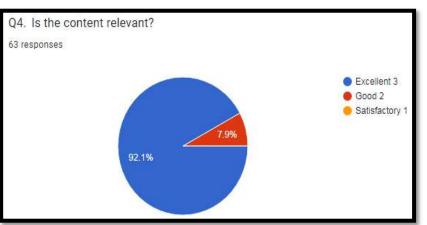
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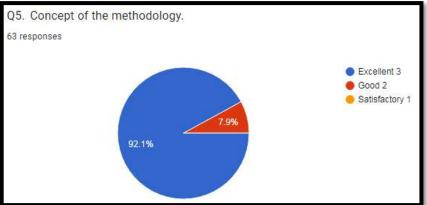




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### **Link for Review and Critics:**

 $\underline{https://docs.google.com/forms/d/1TYzUSGTrWOnGCWZvsQ9A3gUB0qxle4apnFwA8\_BZ9d8/edit}$ 

Email: patil.rohan@kbtcoe.org



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