SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi)

Accredited by NAAC with 'A' grade | Affiliated to VTU, Belagavi

Approved by AICTE, New Delhi & Recognized by Govt. of Karnataka

Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.

SMVITM

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Indirect Assessment:

The indirect assessment of POs and PSOs is based on the Graduate Exit Survey and co-curricular activities.

i)   Graduate Exit Survey:

Internal Quality Assessment Cell (IQAC) of our institute prepares a number of questions that are relevant to the outcomes / attributes of the program and also questions pertinent to the specific outcomes of the program. During the end of the 8th semester the same questions will be circulated to graduating students through a common Google form. The responses will be recorded and converted to attainment levels using the rubrics stated in the below Table 2.6.2d.

Table 2.6.2d Rubrics for Graduate Exit Survey Attainment Levels

Attainment	Response	Level
Attainment 0	Disagree	0
Attainment 1	Neutral	1
Attainment 2	Agree	2
Attainment 3	Strongly Agree	3

The Graduate Exit Survey questions shared is available below.

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Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

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i) Co-curricular Activities:

During the program department organizes various co-curricular activities like workshops and mini-project competitions to facilitate the students. Soon after the workshop activity, the activity coordinator will conduct quizzes or mini-projects depending on the workshop content.

The marks secured by the students in quiz and mini-projects shall be used for PO and PSO attainments. Activities will be mapped with the appropriate POs and PSOs by the activity coordinator. Overall attainment will be weighted average of all mapped attainments of a particular PO. Total PO, PSO attainments through co-curricular activities is as in the Table 2.6.2f below. The overall PO-PSO attainment through indirect assessment shall be the average of attainment through Graduate Exit Survey and attainment through co-curricular activities as shown in the Table 2.6.3f below:

Table 2.6.2f PO-PSO Attainment through Co-curricular Activities and Overall PO-PSO Attainment through Indirect Assessment for 2019-23 Batch Electronics and Communication Engineering

Co-curricular Activities	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
Value Added Course on Corporate C with introduction to OOPs													2			3
	CO1	3	2	1		2							2			3
	CO2	3	2	1		2							2			3
	CO3	3	2	1		2							2			3
	Weighted Average	3	3	3		3							3			
Invited talk on Knowing Thyself - A Journey into self	CO1				3		2		3	2	2		2			3
	CO2				3		2		3	2	2		2			3
	CO3				3		2		3	2	2		2			3
	Weighted Average				3		3		3	3	3		3			
Workshop on PCB Design Using Open Source Tool													2			3
	CO1	2	2										2			3
	CO2	2	2			2							2			3
	CO3	2	2	2		2							2			3
	CO4	2	2	2		2										
	Weighted Average	3	3	3		3							3			
Graduate Exit Survey		2.4	2.4	2.4	2.3	2.3	2.5	2.5	2.5	2.3	2.3	2.3	2.4	2.3	2.4	
Final Indirect PO-PSO Attainment		2.8	2.8	2.8	2.65	2.77	2.75	2.5	2.75	2.65	2.65	2.3	2.9	2.3	2.4	

To record the attainment of program outcomes the following assessment tools and weightages shown in Table 2.6.2g are used:

Table 2.6.2g Assessment tools used for PO Attainment

Assessment Tools		Weightage	Frequency
Direct Assessment	Course Outcomes Attainment	80%	End of the semester
Indirect Assessment	Exit-Survey	20%	End of the program
	Co-curricular Activities		During the program

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The survey questions are mapped with the corresponding POs and PSOs by the program coordinator. Averaging the attainment levels of all respondents in particular PO or PSO will be the final PO or PSO attainment through Graduate Exit Survey. Attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs) through Graduate Exit for 2019-23 Batch Electronics and Communication Engineering students are listed in the below Table 2.6.2e.

Table2.6.2e PO, PSO Attainment through Graduate Exit Survey for 2019-23 Batch Electronics and Communication Engineering Students

USN	Name	Question Numbers							
		1	2	3	4	5	6	7	8
4MW19EC015	Dheeraj	2	2	2	2	2	2	2	2
4MW19EC027	Manthana K	2	2	2	2	2	2	2	2
4MW19EC062	Shreya Upendra Nayak	3	3	3	3	3	3	3	3
4MW19EC074	Srijanya	3	3	3	3	3	3	3	3
4MW19EC052	Sharanya	2	2	3	2	3	2	2	3
4MW19EC040	Rachana	3	3	3	3	3	3	3	3
4MW19EC072	Soujanya S	2	1	2	2	1	2	2	2
4MW19EC004	Akshatha Renjal	2	2	2	2	2	2	2	2
4MW19EC024	Keerthan	2	2	2	3	2	2	2	2
4MW19EC033	Nishanth	2	2	2	2	2	2	2	2
4MW19EC047	Sakshi	3	3	3	3	3	3	3	3
4MW19EC048	Sameeksha	3	3	2	3	3	3	3	3
4MW19EC035	Prajwal Upadhya	2	2	2	2	3	1	1	1
4MW19EC002	Adithi P	2	2	2	2	2	2	2	2
4MW19EC036	Prasanna Nayak	3	3	3	3	3	3	3	3
4MW19EC070	SINCHANA	3	3	3	3	3	3	3	3
4MW19EC086	Wilson Noronha	2	3	3	3	3	3	2	3
4MW19EC068	Shwetha Prabhu	2	2	2	2	2	2	2	2
4MW19EC028	Meghana Bapat K	2	2	2	3	2	3	2	2
4MW19EC053	Sharanya	2	2	3	3	2	3	3	3
4MW19EC017	Divyashree	2	2	2	2	2	1	1	1
4WM19EC079	Sumukha Hatwar K N	2	2	2	2	2	2	2	2
4MW19EC060	Shreya Devadiga	2	2	2	2	2	2	2	2
4MW19EC077	Sukhitha KS	2	2	3	2	2	2	2	3
4MW19EC050	Shanthika	2	2	2	2	2	2	2	2
4MW19EC059	Shreya	3	3	3	3	3	3	3	3
4MW19EC029	Meghana R Bhat	3	2	3	3	2	3	3	3
4MW19EC049	Sameeksha P U	3	3	3	3	3	3	3	3
4MW19EC013	Deepa Nayak	2	2	2	2	2	2	2	2
4MW19EC001	Adithi Girish	2	2	3	2	2	2	2	3
4MW19EC010	Chaithra Kulal	1	2	2	2	1	2	2	2
4MW19EC008	Anwitha Rao P	2	2	2	2	2	2	2	2

4MW19EC031	Neema B Shetty	3	3	3	2	2	2	2	3
4MW19EC009	BHOOMIKA	2	2	2	2	2	2	2	2
4MW19EC037	Prasthuthi Amin	3	3	3	3	3	3	3	3
4MW19EC032	Nikitha	3	3	3	3	3	3	3	3
4MW19EC026	Lohith V P	2	2	2	2	2	2	2	2
4MW19EC018	Harshitha Shetty	2	2	2	2	2	2	2	2
4MW19EC003	Adithya S Bhat	2	3	2	3	2	3	2	3
4MW19EC020	Hrishika	2	2	2	2	2	2	2	2
4MW19EC023	Karthik N	2	2	2	2	2	2	2	2
4MW19EC038	Pratheeksha	2	2	2	2	2	2	2	2
4MW19EC025	KIRANA DN	2	2	2	2	2	2	2	2
4MW19EC034	Prajwal	2	2	2	2	2	2	2	2
4MW19EC046	Ruhaima	1	2	2	3	2	2	2	2
4MW19EC063	Shreyas Acharya	2	2	2	2	2	2	2	2
4MW19EC057	Shreesha S Aithal	2	1	1	2	0	1	2	2
4MW19EC066	Shriniketh	2	2	2	2	2	2	2	2
4MW19EC065	Shrikrishna Bhat	2	2	2	2	2	2	2	2
4MW19EC014	Dheeksha A Suvarna	3	3	3	3	3	3	3	3
4MW19EC012	Chaya Naik	3	3	3	3	3	3	3	3
4MW19EC061	Shreya Udupa S	1	1	1	1	1	1	2	1
4MW19EC056	Shreepathi	3	3	3	3	3	3	2	2
4MW19EC016	Dileep A R	3	3	3	3	3	3	3	3
Total PO,PSO Attainment through graduate exit survey		**2.3**	**2.3**	**2.5**	**2.4**	**2.4**	**2.3**	**2.3**	**2.4**
PO's and PSO's mapped with the survey questions		PSO1	PO4, PO5	PO6,PO7,PO8	PO1,PO2	PO2,PO3,PSO2	PO9,PO11	PO10	PO12

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