		L		Ú		
		1		S	Semester	8th
Programme:	Electrol	Electronics and Communication	a Engineering	V	A.Y.	2022-23
Batch	2019-2023	023			Course Code	18ECS84
Course Title	Techni	Technical Seminar			Fundantion identifier	Review 2
Evaluation Technique		Oral presentation & Report		1	Valuation mention	
			8	Percentage of Allotted marks		108/
_	Allotteu	79UC	3000	20%		50/10
identifier description		1	Able to talk comprehensively about the solution space around the	Able to talk about the architectural features of the technology	Able to talk about the design and development of product based on the studied technology	Able to talk about the actual deployment of the solution based on the studied technology
EC7 Realization	-	the problem space Able to talk about contemporary	selected topic Able to talk about	Present contemporary technologies thro' additional research	Present contemporary problems being addressed thro' additional research papers surveyed	Able to talk about any products/deployments based on the technologies studied
EC8 Contemporaries	10 10 10 10 10 10 10 10 10 10 10 10 10 1	technologies Able to talk about the score and limitations	Able to relate the studied technology solutions for societal concerns	Able to quantitatively evaluate the performance	Able to qualitatively present the performance	Highlight research pointers
		Aesthetics [Font combinations, Grammer, acknowledged sources, Originality (no copy/paste), neatness,	Illhustrative Figures & visuals - Originals/copied from acknowledged sources + being able to	Elaborate beyond the slide content verbally	smooth transition of slides, topics, emphasizing, etc	Timeliness
EC4 Presentation	aim 10	cotor computation Completely as per the template	No fundamental grammatical errors including spellings	Documentation style (fonts, headers, type uniformity, etc.)	Originally created figures, charts & diagrams	Use of specialized tools for documentation like latex, equation editor, graphing tools etc.
	-	Able to answer binary questions to the point	Able to claborate	Support with examples	Futuristic thoughts	Theoretical/research investigations

HoD H.

J CONTRACT Coordinators:

Professor & R.O.P Professor & R.O.P Meyt. of Electronics & Communication on BOSCO INSTITUTE OF TECHNOLURA Combalagoodu, BANGALORE-550 074

				Scheme of Evaluation	tion		
	-	Florteon	Floatsonice and Communication Engineering	n Rucineering		Semester	8 th
Programme:	me	PICCUC DIDE	12 and Communication	Burroundant		A.Y.	2022-23
Batch:		N7-6107	1 Caulture			Course Code	18ECS84
Course Title:	itle:	Tecnnic	Lechnical Seminar			Evaluation	
Evaluati	Evaluation Technique:	Oral pre	Oral presentation			identifier	Keview I
Ja	EC	Allotted		P	Percentage of Allotted marks		1999 C
identifier	description	marks	20%	20%	20%	20%	20%
ECI	Motivation	10	Mentions about people (including the guide) with whome he/she has interacted before aclecting the topic.	Provides illustrations of the problems whose solution is addressed by the selected topic	Provides illustrations of the problems and the technology solutions thereof in the backdrop of the selected topic	Looks passionate about the selected topic	Explicit mention about motivation in the presentation slides
EC3	Literature Survey	10	Nominal websites	Less than 5 conference papers	5-7 conference papers	[1-3] jnl papers	[1-2] IEEE jnl papers
EC	Understanding	10	Able to explain what the cocept is	able to provide the theoretical background	Quantitative framework	Build case studies	scope+limitations
ECA	Presentation	0	Aesthetics [Font combinations, Grammer, acknowledged sources, Originality (no copy/paste), neatness, color combination]	Illustrative Figures & visuals - Originals/copied from acknowledged sources + being able to explain	Elaborate beyond the slide content verbally	smooth transition of slides, topics, emphasizing, etc	Timeliness
EC4	Attitude & Rehaviour	Ŷ	Greetings and complimentary closing of presentation	Outfit (well dressed and groomed)	Connect with the audience	Conviction	Body language
EC6	O&A	5	Able to answer binary questions to the point	Able to elaborate	Support with examples Futuristic thoughts	Futuristic thoughts	Theoretical/research investigations

HOMAN, Coordinators:

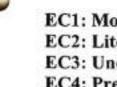
HoD HoD Protessor & H.O.D Protessor & H.O.D Protessor & Community Compt. of Electronics & Community ON BOSCD INSTITUTE OF TELEVISION Combalagodu, BANGALOBE-560 074



Department of Electronics and Communication Engineering

Technical Seminar Evaluation (18ECS84) Rubrics

Evaluation Identifier: Review I Evaluation Technique: Oral Presentation EC: Evaluation Criteria



EC1: Motivation EC2: Literature Survey EC3: Understanding EC4: Presentation EC5: Attitude & Behavior EC6: 0&A

> Evaluation Identifier: Review II **Evaluation Technique: Oral Presentation & Report**

EC7: Realization **EC8:** Contemporaries **EC9: Futuristic** EC4: Presentation EC10: Documentation EC6: Q&A

flooder 2

Professor & H.O.D Copt. of Electronics & Communica..... 40N BOSCO INSTITUTE OF TECHNOLON tambalagodu, BANGALORE-580 070

8TH Sem TECHNICAL SEMINAR REVIEW-II SCHEDULE

Note: - To be Submitted:

- Base Paper (to guide)
- Abstract (to seminar coordinator)
- PPT (to guide)
- Draft Report (to guide)
- Final Report (one hard copy to guide & second hard copy to Seminar coordinator (Spiral Binded Report).
- Review-II presentation includes advancement and improvement in same topic content of review I
 with CO-PO (to be retained same as sample given) & CO-PSO (Varies as per topic scope) Mapping.

Project Group No.	Project Associates	USN	Guide & Panel Members	1. Section	& Duration
•	AFREEN TAJ	1DB19EC004		04-05-23	9.10-9.30am
-i	BHARGAVI AGNIHOTRI	1DB19EC019	Dr. Sharanabasappa		9.30-9.50am
	KAVYA K	1DB19EC058	Mrs. Chaitra S.		9.50-10.10am
ALC: NO	KAVYA S HALLUR	1DB19EC062	Mr. Kishore Kumar		10.10-10.30am
	AICUMADYANA				
	AISHWARYA K M	1DB19EC005	Mrs. Lakshmidevi T. R.	04-05-23	10.30-10.50am
2	AMRITHA PRIYA A	1DB19EC007	Mrs. Tejaswini M. L.		10.50-11.10am
	ARPITHA P	1DB19EC011	Mrs. Rashmi K. T.		11.10-11.30am
a the local	HEMASHREE R	1DB19EC051			11.30-11.50am
and the state of the	KEERTHAN R MATHAD	IDB19EC063	e tradicise con a serie de xithématelo	04.05.00	THORNES .
	NAMITHA S R	1DB19EC082	Mrs. Lakshmidevi T. R.	04-05-23	11.50-12.10pm
3	NAYANAM	1DB19EC082	Mrs. Tejaswini M. L.	1 1	12.10-12.30pm
	P P HAEMNATH	and the second se	Mrs. Rashmi K. T.		12.30-12.50pm
	11 HALMINATH	1DB19EC089		A Second Street	12.50-1.10pm
0	MALLANGOUDA S PATIL	1DB19ET001	Dr. Jai Prakash Prasad	04-05-23	2.00-2.20pm
4	PAVAN J	1DB19ET003	Mr. C. Y. Gopinath Mrs. Nandini A.S. Mr. Yogesh G	0103-25	2.20-2.40pm
			Contra Indiana di Anglia		illin a chille
	LAVANYA N	1DB19EC071		04-05-23	2.40-3.00pm
5	N M NAYANA	1DB19EC080	Mrs. Lakshmidevi T. R.	0800.759255	3.00-3.20pm
. . .	NAMRATHA M	1DB19EC083	Mrs. Tejaswini M. L. Mrs. Rashmi K. T.		3.20-3.40pm
	POORNIMA S	1DB19EC090	Wits. Rashini K. 1,		3.40-4.00pm
	DHARSHANIKA A N	IDDIAFORM		HOUTING	医 病的 分出的
	DIVYA R VAIDYA	1DB19EC040	Dr. Bhagya P.	04-05-23	9.10-9.30am
6	HARINISM	1DB19EC041	Mrs. Shwetha B. V.		9.30-9.50am
	HEERA N	1DB19EC046 1DB19EC050	Mrs. Pavithra H. V.		9.50-10.10am
00-1-5-2	HEEKA N	1DB19EC050	a gratsanellen ook b		10.10-10.30an
Maria and	KISHAN P S	1DB19EC065	discus merenanelogic data and the state	04.04.44	10.30.10.50
-	MOHAMMED ATIQUE	1DB19EC003	Mrs. Lakshmidevi T. R. Mrs. Teiasuini M. J.	04-05-23	10.30-10.50an
7	NUTHAN Y J	1DB19EC077	Mrs. Tejaswini M. L. Mrs. Rashmi K. T.		10.50-11.10an
	NUTRANTS	1001960087	North Colonial K. I.		11.10-11.30ar

	PRAMODH H R	1DB19EC092			11.30-11.50am
	Tenses -	and an and a state of the			11 60 10 10
	KIRAN G M	1DB19EC064			11.50-12.10pm
a 1	MOHAN M	IDD10EC079	Mrs. Roopa B. S. Mrs. Shubha G. N.		12.10-12.30pm
8	NAMRATHA S		Mrs. Swetha K		12.30-12.50pn
	NANDITHA H	1DB19EC085	MIS. Swella K		12.50-1.10pm
-					a. 1.0. 0. 20mm
	BHARAT V G	1DB19EC016	P. OI	0100 00	9.10-9.30am
	SANJAY GOWDA M D	1DB19EC112	Dr. Sharanabasappa Mrs. Chaitra S.		9.30-9.50am
9	SATHYA R	1DB19EC115	Mrs. Chaltra S. Mr. Kishore Kumar	-	9.50-10.10am
	SUDHANVA N PRASAD	1DB19EC125	Ivit. Kisijore Kullar		10.10-10.30ar
100	the state of the s	and the second second	and the second second	had by here a	
	AMRUTH S	1DB19EC008		04-05-23	10.30-10.50ar
	HEBBARE SUMEET	1DB19EC049	Dr. Bhagya P.		10.50-11.10an
10	SHREEDHAR		Mrs. Shwetha B. V.		11.10-11.30a
192	JAYANTH SHUKLA	1DB19EC057	Mrs. Pavithra H. V.		11.30-11.50
	VIKAS M A	1DB19EC136		and the second se	11.30-11.302
				04.04.02	11.50-12.10p
	ANANYA V	1DB19EC009	Dr. Bhagya P.	04-05-23	12.10-12.30p
11	CHANDANA N	1DB19EC030	Mrs. Shwetha B. V.	. 3	12.30-12.50p
	SOUNDARYA A M	1DB19EC122	Mrs. Pavithra H. V.	The Real Property lies	12.30-12.30p
				04.05.22	9.10-9.30am
	CHIRANJEEVI C M	1DB19EC035	Mrs. Roopa B. S.	04-05-23	9.10-9.50am 9.30-9.50am
12	JAYANTH C	1DB19EC056	Mrs. Shubha G. N.		9.50-9.50am 9.50-10.10an
12	GAANA S KUMAR	1DB19EC045	Mrs. Swetha K		V * ** *
	HARSHITA B	1DB19EC047			10.10-10.30a
-					10.10.10.50
	AKASH R	1DB19EC006	Dr. Shashiranjan	04-05-23	10.30-10.50a
	BHASKAR M	1DB19EC020	Mrs. Soujanya A. P.		10.50-11.10a
13	DARSHAN P	1DB19EC036	Mrs. Shwetha M.		11.10-11.30
	DEEPAK L	1DB19EC038	The second se		11.30-11.5
in the second	A DESCRIPTION OF THE OWNER OF THE				的自己的自己的问题
-	ARUN SUBAN M	1DB19EC012	Mrs. Roopa B. S.	04-05-23	11.50-12.10
10107	CHETHAN M	1DB19EC031	Mrs. Shubha G. N.		12.10-12.30
14	CHETHAN M R	1DB19EC032	Mrs. Swetha K		12.30-12.50
	RAJESH KUMAR J	1DB19EC102			12.50-1.10p
-	Internet and the second				A CONTRACTOR
	RASHMI S	1DB19EC105		04-05-23	and the second se
	SAKSHI DAMODAR	1DB19EC111	Dr. A. N. Maheswarappa		9.30-9.50am
15	UMARJI		Dr. Chandrashekar N. S.		0.50 10 10-
	SHRUSTI SHETTY .S	1DB19EC119		1 L	9.50-10.108
	SURAJ S	1DB19EC128		1.00	10.10-10.30
		HEAD PROVIDENCE	A CONTRACTOR OF THE OWNER OF THE		10.00.10.00
	SUSHMITHA R	1DB19EC129		04-05-23	the second s
		1DB19EC132			10.50-11.10
	VAIBHAVK	the second se			
16	VAIBHAV R VAISHNAVI H N	1DB19EC133	Mrs. Soujanya A. P. Mrs. Shwetha M.		11.10-11.30

	KICHODEW	IDDIADOLI		04.00.00	0.10.0.00
	KISHORE V	IDB19EC066	Mrs. Babitha S.	001410404060	9.10-9.30am
17	KUMUDHA L PREMA B G	IDB19EC067	Mrs. Shruthi G.	3	9.30-9.50am
	The second se	IDB19EC095	Mrs. Mahadevi S Manur		9.50-10.10am
	SRIHARI R	1DB19EC123			10.10-10.30am
-	KUSULI CONDIC			04.06.00	and the second second
	KUSHAL GOWDA G	1DB19EC068	Mrs. Babitha S.	04-05-23	10.30-10.50am
18	THILAK K	1DB19EC131	Mrs. Shruthi G.		10.50-11.10am
	VENKATACHALANAIDU R	1DB19EC134	Mrs. Mahadevi S Manur		11.10-11.30am
-	SAKSHI SURESH JADHAV	1DB20EC400		and the second se	11.30-11.50am
1.00				PD 98	
	MOHAMMED ANIS	1DB19EC076	Dr. Jai Prakash Prasad	04-05-23	11.50-12.10pm
19	RANJAN R	IDB19EC104	Mr. C. Y. Gopinath		12.10-12.30pm
	SANNIDHI H B	1DB19EC114	Mrs. Nandini A.S.		12.30-12.50pm
-	YASHAS S	1DB19EC142	Mr. Yogesh G		12.50-1.10pm
		Incenter the			Noticini 🚽 👘
	PRERANA JAIN	1DB19EC096	Dr. Jai Prakash Prasad	04-05-23	9.10-9.30am
20	RAHIL AHMED	1DB19EC100	Mr. C. Y. Gopinath		9.30-9.50am
	VINAY C	1DB19EC137	Mrs. Nandini A.S. Mr. Yogesh G		9.50-10.10am
The state	A CONTRACTOR OF THE OWNER	WORK WITH REPORT	MA. TOgesh G	CONTRACTOR OF	Aller in the state
	BHOOMIKA S	1DB19EC023	Mrs. Babitha S.	03-05-23	9.10-9.30am
21	BRUNDA R	1DB19EC024	Mrs. Shruthi G.	10000000	9.30-9.50am
	KAVYAR	1DB19EC061	Mrs. Mahadevi S Manur		9.50-10.10am
	In the second	Superior of Exciting	The second second	in the second second second	COMPANY OF THE OWNER
	LAVANYA GM	1DB19EC070		03-05-23	9.10-9.30am
10000	RADHIKA S	1DB19EC099	Dr. Channel		9.30-9.50am
22	SUMATI MS	1DB19EC126	Dr. Sharanabasappa Mrs. Chaitra S.		9.50-10.10am
	SUPRIYA M	1DB19EC127	Mr. Kishore Kumar		10.10-10.30ar
ALC: N		States and	Provide the standard and the standard of	TRANK IN	
	REETHA N M	1DB19EC106	-	03-05-23	10.30-10.50ar
	SAHANA S	1DB19EC110	Dr. Bhagya P.		10.50-11.10ar
23	SNEHA M	1DB19EC121	Mrs. Shwetha B. V.		11.10-11.30an
	SHRUTHI S	1DB19EC120	- Mrs. Pavithra H. V.		11.30-11.50ar
1.1.1	1 23100			and the second second	
	MONISHAR	1DB19EC079	Dr. Bhagya P.	03-05-23	9.10-9.30am
24	PREETHUN	1DB19EC093	Mrs. Shwetha B, V.		9.30-9.50am
÷.	PRIYA.V	1DB19EC097	Mrs. Pavithra H. V.		9.50-10.10am
10.00			I - COMPANY INC. SOL	Million and	
and install	CHAITANYA S	1DB19EC026	Dr. A. N. Maheswarappa	03-05-23	10.10-10.30a
25	CHANDANA D	1DB19EC029	Dr. Chandrashekar N. S.	00-00-60	10.30-10.50a
25	DIVYASHREE B	1DB19EC042	Mr. Suresha H.S.		10.50-10.50a
-	DIT INOTICE D	1001700012	The second s	the second state	10.00-11.100
10.512	MANOJ S R	1DB19EC073	A CONTRACTOR OF A CONTRACT OF A CONTRACT	03-05-23	11.10-11.30a
		1DB19EC091	Dr. A. N. Maheswarappa	05-05-25	11.30-11.50a
26	PRADYUMNYA K G	1DB19EC091 1DB19EC113	Dr. Chandrashekar N. S.		11.50-12.10p
	SANJITH KUMAR	1DB19EC113	Mr. Suresha H.S.		
	VIJETHA U M	IDDI9EC135	and the second sec	1	12.10-12.30p

14	MAMATHA BM	IDDIADTOOS	De lai Batast David	03-05-23	12.30-12.50pm
		IDB19ET002	Dr. Jai Prakash Prasad	03-05-25	the second state in the second state of the se
27	SHOBITHA P	1DB19ET004	Mr. C. Y. Gopinath Mrs. Nandini A.S.		12.50-1.10pm 9.10-9.30am
	TEJASHWINI PATIL	1DB19ET005	Mr. Yogesh G		9.10-9.30am
				point 24	
	ANUJNA A	1DB19EC010	Mar D. D. C.	03-05-23	9.30-9.50am
28	BHAVANA	1DB19EC021	Mrs. Roopa B. S. Mrs. Shubha G. N.		9.50-10.10am
008	CHINMAYI R	1DB19EC033	Mrs. Swetha K		10.10-10.30ar
and a	HIMABINDU B C	IDB19EC052	THIS OWCUM IN		10.30-10.50a
	KUSUMA S JAIKANT	1DB19EC069	Dr. A. N. Maheswarappa	03-05-23	10.50-11.10an
29	NAGADEER AJ PS	1DB19EC081	Dr. Chandrashekar N. S. Mr. Suresha H.S.		11.10-11.30a
No.			MIL Suresna H.S.	WE BANGER	(Incole contra
	SUDEEP R	1DB19EC124	D. al	03-05-23	11.30-11.50ar
30	SYED IKRAM	1DB19EC130	Dr. Sharanabasappa		11.50-12.10
20	YASHAS II S	1DB19EC140	Mrs. Chaitra S. Mr. Kishore Kumar	1	12.10-12.30pt
	YASHAS R V	1DB19EC141	Mr. Kisnore Kumar		12.30-12.50pt
UR					Sector Winese
	ABH, IER PA, ITI,	1DB19EC001	Mrs. Babitha S.	02-05-23	12.50-1.10pm
31	BGTEIAS	1DB19EC013	Mrs. Shruthi G.		9.10-9.30am
	BS JAYANTH	IDB19EC014	Mrs. Mahadevi S Manur		9.30-9.50am
-anin	C SHREYAS	IDB19EC025			9.50-10.10am
112104	PREESHA	IDB19EC094	Dr. A. N. Maheswarappa	02-05-23	4.00.4.20
32			Dr. Chandrashekar N. S.	02-03-23	4.00-4.20pm
100	PRIYANKA RY	1DB19EC098	Mr. Suresha H.S.		4.20-4.40pm
-10	ABHISHEEN	IDDIODOGG		和你 山前	
	BHAP ATE SIK	IDB19EC002	Dr. Jai Prakash Prasad	02-05-23	9.10-9.30am
33	K MANJUA ATT	1DB19EC017	Mr. C. Y. Gopinath		9.30-9.50am
	CHANDA'	1DB19EC059	Mrs. Nandini A.S. Mr. Yogesh G	8	9.50-10.10an
12.21	CHANDA.	1DB19EC028	Mr. Togesn G		10.10-10.30a
	B S RAKSI 1 11-A	1DB19EC015		02-05-23	10.30-10.50a
24	CHAITHR: JH	1DB19EC027	Dr. Sharanabasappa	04-03-45	and the second sec
34	DEEKSHID1 H M	1DB19EC037	Mrs. Chaitra S.		10.50-11.10a
	BHARATH	IDB19EC018	Mr. Kishore Kumar		11.10-11.30a 11.30-11.50a
5		THE PARTY OF THE PARTY	The second second	THE OWNER OF	11.30-11.30a
	ABHISHEF 200	1DB19EC003		02-05-23	11 50 12 10.
25	BHAVANA	1DB19EC022	Dr. Bhagya P.	06-03-23	11.50-12.10p
35	CHIRAG M	IDB19EC034	Mrs. Shwetha B. V.		12.10-12.30p
	JAGDISH L	1DB19EC055	Mrs. Pavithra H. V.		12.30-12.50p
		The strike state	NUMBER OF STREET	SIGHER .	12.50-1.10pn
	JTARUN	1DB19EC054	ing the same	02-05-23	9.10-9.30am
36	MADHUKUMAR P N	1DB19EC072	Dr. Shashiranjan		9.30-9.50am
200	RAHUL CHANDRASHEKAR	IDB19EC101	Mrs. Soujanya A. P.		9.50-10.10am
	SHASHIDHARA D		Mrs. Shwetha M.		

DHANUSH M DIVYASHREE N HARSHITHA P RUCHITHA V A SHILPA LAMANI SHILPA Y SHASHANK N	1DB19EC0039 1DB19EC043 1DB19EC048 1DB19EC108 1DB19EC108	Mrs. Babitha S. Mrs. Shruthi G. Mrs. Mahadevi S Manur Mrs. Lakshmidevi T. R.	02-05-23	10.30-10.50an 10.50-11.10an 11.10-11.30an
HARSHITHA P RUCHITHA V A SHILPA LAMANI SHILPA Y	1DB19EC048 1DB19EC108 1DB19EC117	Mrs. Shruthi G. Mrs. Mahadevi S Manur	02-05-23	11.10-11.30an
RUCHITHA V A Shilpa lamani Shilpa y	1DB19EC108 1DB19EC117		02-05-23	Marine States
SHILPA LAMANI Shilpa y	1DB19EC117	Mee Lakebuidavi T. P.	02-05-23	date:
SHILPA LAMANI Shilpa y	1DB19EC117	Men Lakahmidavi T. P.	02-05-23	
SHILPA Y		Mee Lakehmidawi T D	and the second se	11.30-11.50an
	and the second sec			11.50-12.10pn
SHASHANK N	1DB19EC118	Mrs. Tejaswini M. L. Mrs. Rashmi K. T.	1 8	12.10-12.30pm
Contraction of the second seco	1DB20EC402	Mio. Rabilli R. T.		12.30-12.50pm
				Sin and the second
ISHA SHANKAR G	1DB19EC053	100 Test 1000	02-05-23	12.50-1.10pm
KAMASANI UHA	1DB19EC060	Mrs. Roopa B. S.		9.10-9.30am
S M VAISHNAVI	1DB19EC109	Mrs. Shubha G. N.		9.30-9.50am
RAKSHITH R	IDB19EC103	Mrs. Swetha K		9.50-10.10am
OMKARI PADMANABHA	IDB19EC088		02-05-23	10.10-10.30am
WILSON N	1DB19EC139	Mr. Shashiranjan		10.30-10.50am
PAVITHRA E	1DB20EC401		1	10.50-11.10am
VISHNU VIJAY A N	1DB20EC403	ono. onwerin M.		11.10-11.30am
				New York Contractor
ABHISHEK GOWDA V	IDB18EC002	122 - 22 - 22 - 2	02-05-23	11.30-11.50am
	1DB18EC061	Mr. Shashiranjan		11.50-12.10pm
	1DB18EC080	Mrs. Soujanya A. P. Mrs. Shuatha M		12.10-12.30pm
PRANAV G	1DB18EC096	Mits. Silwetha M.		12.30-12.50pm
			Velocity .	
CACULT DI CHARACTERICE	IDB17TE030	Dr. Shashiranjan Mrs. Soujanya A. P.	02-05-23	2.00-2.20pm
YASHU PAAJWAL NAG D RUTWIK R HEGDE		Land Manager and The		
	WILSON N PAVITHRA E VISHNU VUAY A N	WILSON N IDB19EC139 PAVITHRA E IDB20EC401 VISHNU VIJAY A N IDB20EC403 ABHISHEK GOWDA V IDB18EC002 KRUTHIK M V IDB18EC061 NANDEESH A R IDB18EC080 PRANAV G IDB18EC096	WILSON N IDB19EC139 Mr. Shashiranjan PAVITHRA E IDB20EC401 Mrs. Soujanya A. P. VISHNU VIJAY A N IDB20EC403 Mrs. Shwetha M. ABHISHEK GOWDA V IDB18EC002 Mr. Shashiranjan KRUTHIK M V IDB18EC061 Mr. Shashiranjan NANDEESH A R IDB18EC080 Mrs. Soujanya A. P. PRANAV G IDB18EC096 Mrs. Shwetha M.	WILSON N IDB19EC139 Mr. Shashiranjan PAVITHRA E IDB20EC401 Mrs. Soujanya A. P. VISHNU VIJAY A N IDB20EC403 Mrs. Shwetha M. ABHISHEK GOWDA V IDB18EC002 Mr. Shashiranjan 02-05-23 KRUTHIK M V IDB18EC080 Mrs. Soujanya A. P. 02-05-23 NANDEESH A R IDB18EC080 Mrs. Shwetha M. 02-05-23 YASHU P.: AJWAL NAG D IDB17TE030 Dr. Shashiranjan 02-05-23

Coordinators:

tsb_ HoD

Professor & H.O.D. Sept. of Electronics & Communication ON ROSCH INSTITUTE OF TECHNOLOGY Sembalayodu, BANGALORE-560 074

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Kumbalgodu, Mysore Road, Bengaluru- 560074 Ph.: +91- 80-28437028 / 29 /30 Fax: +91 -80-28437031 Website: <u>www.dbit.co.in</u> Email: <u>cce@dbit.co.in</u> **Department of Electronics and Communication Engineering**

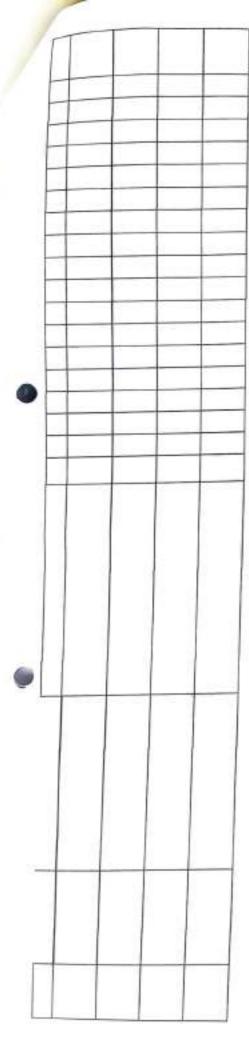


	Evaluation Sheet		
Progamme	B.E.(Electronics and Communication Engineering)	Semester	84
Batch	2019-23	A.Y.	2022-23
Course Title	Technical Seminar	Course code	18ECS84
Eval. Technique	Oral Presentation	Eval. Identifier	Review 1

Note-EC: Evaluation Criteria, EC1: Motivation, EC2: Literature Survey, EC3: Understanding, EC4: Presentation, EC5: Attitude & Behavior, EC6: Q&A.

Project Guide Name: Dr. Jai Prakash Prasad

Project Batch	NSN	Student Name	 Technical Seminar Title 	(90) (10)	5.		EC3		BS	EC3	-	EC4	_	-	ECS (S)	-	a s	EC6	Total
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Examiners name with Signature:

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Base Paper (to guide) Abstract (to coordinator) PPT (to guide) Draft Report (to guide) Final Report (one copy to guide & second copy to coordinator)

Professor & H.O.D. 45b HoD: Coordinator: treza



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Don Bosco Institute of Technology, Bangalore Kumbalgodu, Mysore Road Bengalunt, 560074

Kumbalgodu, Mysore Road, Bengaluru- 560074 Ph.: +91- 80-28437028 / 29 /30 Fax: +91 -80-28437031 Website: www.dbit.co.in Email: ccc@dbit.co.in



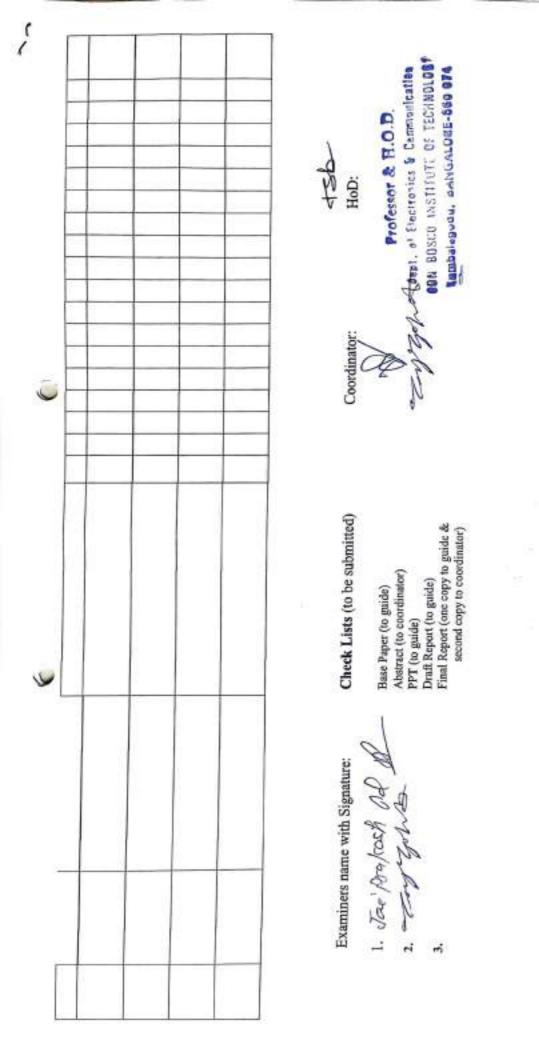
8 Department of Electronics and Communication Engineering

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Note-EC: Evaluation Criteria, EC7: Realization, EC8: Contemporaries, EC9: Futuristic, EC4: Presentation, EC10: Documentation, EC6: Q&A.

Project Guide Name: Dr. Jai Prakash Prasad

Batch	NSU	Student Name	Technical Seminar Title	ac	EC7		EC8	8 e		EC9		-	EC4	-	EC10	01.0	-	EC6	19	Total
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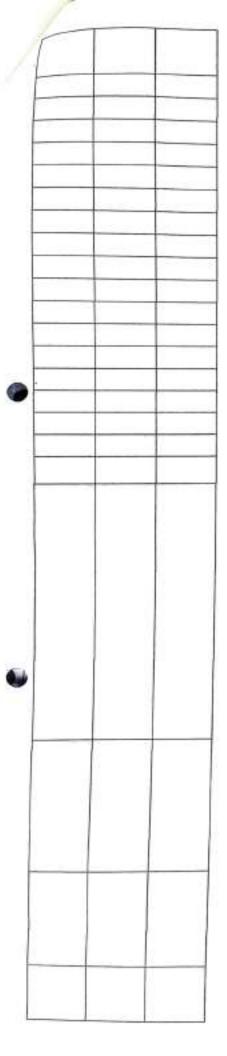


Progamme	Evaluation Sheet B.E.(Electronics and Communication Engineering)	Semester	8 tip
5	57-6107	A.Y.	2022-23
Irse Title	Technical Seminar	Course code	18ECS84
al. Technique	Oral Presentation	Eval. Identifier	Review 1

Note- EC: Evaluation Criteria, EC1: Motivation, EC2: Literature Survey, EC3: Understanding, EC4: Presentation, EC5: Attitude & Behavior, EC6: Q&A.

Project Guide Name: Mrs. Shubha G. N.

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Student Name		CHIRANJEEVI C M	IDB19EC056 JAYANTH C	IDB19EC045 GAANASKUMAR LACADA	HARSHITA B
USN		1DB19EC035	IDB19EC056	IDB19EC045	IDB19EC047
Project Batch	ev.		12		



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Examiners name with Signature:

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Base Paper (to guide) Abstract (to coordinator) PPT (to guide) Draft Report (to guide) Final Report (to guide) accord copy to guide &

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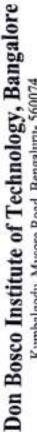
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OUN BUSIC INSTITUTE OF TECHNOLOOF Lambalagodu. BARGALORE-560 074 Stat. Medironica & Communication 1. Professor & H.O.D. 日間 Coordinator: 9 N20



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	Evaluation Sneet		10000
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Batch	2019-23	A.Y.	57-7707
Course Title	Technical Seminar	Course code	18EC584
Total Tashaina	Danot	Eval. Identifier	Review 2

Note-EC: Evaluation Criteria, EC7: Realization, EC8: Contemporaries, EC9: Futuristic, EC4: Presentation, EC10: Documentation, EC6: Q&A.

Project Guide Name: Mrs. Shubha G. N.

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Examiners name with Signature: 1. Shubba , C. N-2. Loop. 6.5 7. 10 3. Swel

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		Depa	Ph.: +91-80-28437028 / 29 /30 Fax: +91 -80-28437031 Website: <u>www.dbit.co.in</u> Email: <u>cce@dbit.co.in</u> Department of Electronics and Communication Engineering	ngaluru 2: +91 -{ 1: <u>cce@</u>	- 560 30-28 dbit.c	074 4370 20.in on F	31 Ingi	nee	jig			C.L.						
		Progamme	Evaluation Sheet B.E.(Electronics and Communication Engineering)	et Engine	ering	0	Sem	Semester			100							1
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Proje	et Guide Nam	Project Guide Name: Mrs. Lakshmidevi T. R.	roject Guide Name: Mrs. Lakshmidevi T. R.															
Project Batch	NSD	Student Name	Technical Seminar Title	ECI	_	M C	EC3		EG		EC4	-	ECS	50		EC6		Total
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Examiners name with Signature:

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R. ATSHWLE R. T. &

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PPT (to guide) Draft Report (to guide) Final Report (one copy to guide & second copy to coordinator) Base Paper (to guide) Abstract (to coordinator)





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Don Bosco Institute of Technology, Bangalore Kumbalgodu, Mysore Road, Bengaluru- 560074

Kumbalgodu, Mysore Road, Bengaluru- 560074 Ph.: +91- 80-28437028 / 29 /30 Fax: +91 -80-28437031 Website: <u>www.dbit.co.in</u> Email: <u>ccc@dbit.co.in</u>



Department of Electronics and Communication Engineering

	Evaluation Sheet			1
Progamme	B.E.(Electronics and Communication Engineering)	Semester	8th	_
Batch	2019-23	A.Y.	2022-23	
Course Title	Technical Seminar	Course code	18ECS84	
Eval. Technique	Report	Eval. Identifier	Review 2	

Note- EC: Evaluation Criteria, EC7: Realization, EC8: Contemporaries, EC9: Futuristic, EC4: Presentation, EC10: Documentation, EC6: Q&A.

Project Guide Name: Mrs. Lakshmidevi T. R.

Project Batch						
USN		1DB19EC065	1DB19EC077	IDB19EC087	IDB19EC092	1DB19EC108
Student Name		1DB19EC065 KISHAN P.S	MOHAMMED ATIQUE	IDB19EC087 NUTHAN Y J	IDB19EC092 PRAMODH H R	IDB19EC108 RUCHITHA V A
Technical Seminar Title		IoT and ML Model of Plant Discare Prediction - Blisten Blight ton Teaplant	IDBIGECOTT MOHAMMEDATIQUE EL 6-694 SAR ADC 2428 09 10 10 10 10 10 10 10 10 10 10 10 10 10	Barton Free Smart. Banddge based on NFC RFID Technology	Trephonodotim on Pulldonness Unuspilit & O: 1100x 121120 Willow Look Jonie 10 21 307120	307 Based greenwould
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Base Paper (to guide) Abstract (to coordinator) PPT (to guide) Draft Report (to guide) Final Report (one copy to guide &

second copy to coordinator)

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480 1122 Lambulacodu, BARGALCEL-030 UTA F. Carren Caller Professor & H.O.D CON 80% multing 484 04P1. 01 E. HoD: Coordinator:

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Programme:	Electronics and Communication Engineering	Semester:	8 th
Batch:	2019-2023	A.Y.:	2022-23
Course Title:	Technical Seminar	Course Code:	18ECS84

OUTLINES FOR TECHNICAL SEMINAR PRESENTATION

> DATE CONFIRMATION CIRCULAR

6)

- > TECHNICAL SEMINAR PRESENTATION SCHEDULE (REVIEW-1)
- > GUIDELINES FOR THE PREPARATION OF TECHNICAL SEMINAR REPORTS
- SCHEME OF EVALUATION (REVIEW 1 & 2)
- COURSE OUTCOMES (COs)
- > TITLE, ABSTRACT AND REPORT HARD COPY SUBMISSION STATUS
- EXPECTED PPT SLIDES
- EXPECTED SEMINAR REPORT CONTENTS
- INSTITUTE & DEPT. VISION, MISSION, PEO, PO & PSO
- SEMINAR COURSE OUTCOMES (COs)
- COs-POs AND COs-PSOs MAPPING

By: Dr. Jai Prakash Prasad, Technical Seminar Coordinator, ECE Dept.





Don Bosco Institute of Technology, Bangalore

(NAAC Accredited Institution)

Department of Electronics and CommunicationEngineering (Accredited by NBA & Permanently affiliated to VTU)



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Date: 23-03-2023

CIRCULAR

8th SEM TECHNICAL SEMINAR (18ECS84)

It is hereby informed to all 8th sem students that the Technical Seminar Review-1 (Oral Presentation & Report) is scheduled from 04th April to 06th April 2023. All students must adhere to the schedule and Technical seminar guidelines. You are advised to consult your concerned project guide in advance one week before the scheduled date (for seminar presentation PPT, report, COs-POs and COs-PSOs Mapping).

Seminar Co-coordinator's

1. Dr. Jai Prakash Prasad 200040 2. Prof. Gopinath C Y

+50 23/03/23

HOD (ECE) Professor & H.O.D. Dept. of Electronics & Communication OON BOSCO INSTITUTE OF TEGRADLOS tembelagodu, BANGALDRF-560 021

Reference OR Bibliography: The references should be numbered serially in the order of their occurrence in the text and their numbers should be indicated within square brackets for e.g. [3]. The section on references should list them in serial order in the following format.

- For textbooks A.V. Oppenheim and R.W. Schafer, Digital Signal Processing, Englewood, N.J., Prentice Hall, 3 Edition, 1975.
- For papers Devid, Insulation design to combat pollution problem, Proc of IEEE, PAS, Vol 71, Aug 1981, pp 1901-1907.
- Only SI units are to be used in the report. Important equations must be numbered in decimal form for e.g.
- All equation numbers should be right justified.

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- The seminar report should be brief and include descriptions of work carried out by others only
 to the minimum extent necessary. Verbatim reproduction of material available elsewhere should
 be strictly avoided. Where short excerpts from published work are desired to be included, they
 should be within quotation marks appropriately referenced.
 - Proper attention is to be paid not only to the technical contents but also to the organization of the report and clarity of the expression. Due care should be taken to avoid spelling and typing errors. The student should note that report-write-up forms the important component in the overall evaluation of the project
 - The reports submitted to the department/guide(s) must be spiral bounded, with a plastic covering.
 - · Separator sheets, used if any, between chapters, should be of thin paper.

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Protessor & H.O.D

Sept. of Electronics & Communication SON BOSCO INSTITUTE OF TLORINGLOS Sembelagood, BANGALORE-553 074

NAME OF THE INSTITUTION Address with pin code

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EVALUATION CRITERIA AND MARKS APPORTIONMENT

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Programme:		Semester:		Remarks
Course Title:		Course Code:		
	Assessn	nent Criteria for the	Reviews	
Revi		Revie	and the second se	1
Criterion	Maximum Marks	Criterion	Maximum Marks	
Motivation	10	Realization	10	
Literature survey	10	Contemporaries	10	
Understanding	10	Futuristic	10	1
Presentation	10	Presentation	10	
Attitude & Behaviour	5	Documentation	5	
Q&A	5	Q&A	5	

SCHEME OF EVALUATION (REVIEW-1)					
Programme:	Electronics and Communication Engineering	Semester	8 th		
Batch:	2019-2023	A.Y.	2022-23		
Course Title:	Technical Seminar	Course Code	18ECS84		

Evaluati Techniq		ne: Oral presentation				Evaluation identifier	Review 1
FC	EC	Percentione of Al		entage of Allotted n		Incrice 1	
identifier	description	marks	20%	20%	20%	20%	20%
EC1	Motivation	10	Mentions about people (including the guide) with whome he/she hus interacted before selecting the topic.	Provides illustrations of the problems whose solution is addressed by the selected topic	Provides illustrations of the problems and the technology solutions thereof in the backdrop of the selected topic	Looks passionate about the selected topic	Explicit mention about motivation in the presentation slides
EC2	Literature Survey	10	Nominal websites	Less than 5 conference papers	5-7 conference papers	[1-3] jnl papers	(1-2) IEEE jul
EC3	Understanding	10	Able to explain what the cocept is	able to provide the theoretical background	Quantitative framework	Build case studies	scope+limitations
EC4	Presentation	10	Aesthetics [Fout combinations, Grammer, acknowiedged sources, Originality (no copy/paste), neatness, color combination]	Illustrative Figures & visuals - Originals/copied from acknowledged sources + being able to explain	Elaborate beyond the slide content verbally	smooth transition of slides, topics, encphasizing, etc	Timeliness
EC5	Attitude & Behaviour	5	Greetings and complimentary closing of presentation	Outfit (well dressed and groomed)	Connect with	Conviction	Body language
EC6	Q&A	5	Able to answer binary questions to the point	Able to elaborate	Support with examples	Futuristic thoughts	Theoretical/research

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SCHEME OF EVALUATION (REVIEW-2)

Programme:	Electronics and Communication Engineering	Comparton	oth	
Batch	2019-2023	Semester	8	
Daten	2019-2023	A.Y.	2022-23	

Course	Title	Techn	ical Seminar			Course Code	18ECS84
	ion Technique	Oral p	resentation & Re	port		Evaluation identifier	Review 2
EC identifier	EC	Allotted		Pe	reentage of Allotte	d marks	
rachamier	description	marks	20%	20%	20%	20%	20%
EC7	Realization	10	Able to talk comprehensively about the problem space	Able to talk comprehensively about the solution space around the selected topic	Able to talk about the architectural features of the technology	Able to talk about the design and development of product based on the studied technology	Able to talk about th actual deployment of the solution based on the studied technology
C ECS	Contemporaries	10	Able to talk about contemporary technologies	Able to talk about multitude of applications	Present contemporary technologies thro' additional research papers surveyed	Present contemporary problems being addressed thro' additional research papers surveyed	
EC9	Futuristic	10	Able to talk about the scope and limitations	Able to relate the studied technology solutions for societal concerns	Able to quantitatively evaluate the performance	Able to qualitatively present the performance	Highlight research
C4	Presentation	10	Aesthetics [Font combinations, Grammer, acknowledged sources, Originality (no copy/paste), neatness, color combination]	Illustrative Figures & visuals - Originals/copied from acknowledged sources + being able to explain	Elaborate beyond the slide content verbally	smooth transition of slides, topics, emphasizing, etc	Timeliness
C,	Documentation	5	Completely as per the template	No fundamental grammatical errors including spellings	Documentation style (fonts, headers, type uniformity, etc.)	Originally created figures, charts & diagrams	Use of specialized tools for documentation like latex, equation editor, graphing tools etc.
C6	Q & A		Able to answer binary questions to the point	Able to elaborate	Support with examples	Futuristic thoughts	Theoretical/research investigations

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COURSE OUTCOMES (CO's)

Course: Technical Seminar

A.Y: 2022-23 Even

	Assessment	
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Course	Code	Credits	L-T-P	CIE	SEE	Exam Duration
B.E	18ECS84	1	0-0-2	100	- 427	3Hrs

Name of the Course coordinator: Dr. Jai Prakash Prasad, Prof. Gopinath C. Y.

Designation: Professor

CO1: Ability to identify state-of-the-art and futuristic technologies through self-motivation and through collaboration with others.

CO2: Ability to conduct a detailed literature survey and self-study in order to completely understand the intricacies of the chosen topic

CO3: Analysis and comprehension of proof-of-concept and related data.

CO4: Effective presentation and improve soft skills.

CO5: Make use of new and recent technology (e.g. Latex) for creating technical reports

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	POS	PO9	PO10	POII	PO12
C01	3	2	1		2		1		-			2
CO2	2	3				-	-	10.500				2
CO3	2	2		2	1		1					2
CO4						-			3	3		1
C05						-				3		1

COs-POs Mapping (Sample)

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Electroni

PSOs	1.12332-221	pping (Samp	
Cos	PSO1	PSO2	PSO3
C01	3	3	3
CO2	3	1	
CO3	3	3	3
CO4			
CO5			3

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81. TITLE, ABSTRACT AND REPORT SUBMISSION ST malagodu, B

COURSE OUTCOMES (CO's)

CO1: Ability to identify state-of-the-art and futuristic technologies through self-motivation and through collaboration with others.

CO2: Ability to conduct a detailed literature survey and self-study in order to completely understand the intricacies of the chosen topic.

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CO4: Effective presentation and improve soft skills.

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi-590018, Karnataka



A TECHNICAL SEMINAR REPORT

ON

"FUZZY FIRE CONTROL: UNLOCKING THE FUTURE OF AUTO SAFETY"

Submitted in partial fulfillment of the requirements for the award of the degree

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

SUBMITTED BY

Ms. KUSUMA S JAIKANT

1DB19EC069

UNDER THE GUIDANCE OF

Prof. SURESHA H S Associate professor Dept of ECE, DBIT



Department of Electronics and Communication Engineering DON BOSCO INSTITUTE OF TECHNOLOGY

Kumbalagodu, Mysore road, Bangalore-74

DON BOSCO INSTITUTE OF TECHNOLOGY

Kumbalagodu, Mysore Road, Bangalore-560074 Department of Electronics and Communication Engineering



CERTIFICATE

Certified that the Technical Seminar entitled "Fuzzy Fire Control: Unlocking the feature of auto safety" is carried out by Ms. KUSUMA S JAIKANT bearing USN: 1DB19EC069, a bonafide student of Don Bosco Institute of Technology, Bangalore in fulfillment for the award of degree of Bachelor of Engineering in Electronics and Communication Engineering of Visvesvaraya Technological University, Belgaum in the academic year 2022-2023. It is certified that all corrections/suggestions indicated during internal assessment have been incorporated in the report. The seminar report has been approved as it satisfies the academic requirement in respect of Technical Seminar work prescribed for the said degree.

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Signature of the Guide Prof. Suresha H S Associate Professor Dept. of ECE

DBIT, Bangalore-74

Signature of Co-ordinator(s)

Prof. Jai Prakash Prasad Prof. Gopinath C Y Associate Professors Dept. of ECE DBIT, Bangalore-74

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Signature of the HOD Dr. Maheswarappa A N Professor & HOD Dept. of ECE: H.O.D. DBIT, Bangalore:74.commutertor Japit. of Hochigalore:74.commutertor Japit. of Hochigalore:74.commutertor Japit. of Hochigalore:74.commutertor Japit. of Hochigalore:74.commutertor Japit. of Hochigalore:74.commutertor

Signature of the Examiner 150

Name of the Examiner

1) Dr. Maheswarapha A.N 2) Prof. Suresha. H.S.

ABSTRACT

During automobile fire accidents, the lives couldn't be saved because of the failure in opening the vehicle doors. There are systems available for the detection and control of fire accidents in automobiles but those systems are designed to detect the fire, warn the drivers and operate the fire extinguishers to control the fire. The system designed in this research work tends to unlock the vehicle door automatically along with alerting the driver with an alarm and supply fire extinguishers during automobile fire. Temperature sensors and smoke sensors are used to detect the fire and different motors are used to open the door and supply the fire extinguisher. The system works even if the battery fails or the electrical system fails or the door locked manually. Since the separate system is installed for each door, in case if the system of a particular door fails, the passenger can be saved by the other door.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belagavi-590018, Karnataka



A TECHNICAL SEMINAR REPORT

ON

"The Evolution of Vehicle Safety Intelligence" Submitted in partial fulfillment of the requirements for the award of the degree

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING

SUBMITTED BY

Mr. NAGADEERAJ P S

1DB19EC081

UNDER THE GUIDANCE OF

Prof. SURESHA H S Associate professor Dept of ECE, DBIT



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Kumbalagodu, Mysore Road, Bangalore-560074 Department of Electronics and Communication Engineering



CERTIFICATE

Certified that the Technical Seminar entitled "The Evolution of Vehicle Safety Intelligence" is carried out by Mr. NAGADEERAJ P S bearing USN: 1DB19EC081, a bonafide student of Don Bosco Institute of Technology, Bangalore in fulfillment for the award of degree of Bachelor of Engineering in Electronics and Communication Engineering of Visvesvaraya Technological University, Belgaum in the academic year 2022-2023. It is certified that all corrections/suggestions indicated during internal assessment have been incorporated in the report. The seminar report has been approved as it satisfies the academic requirement in respect of Technical Seminar work prescribed for the said degree.

Signature of the Guide

Prof. Suresha H S Associate Professor Dept. of ECE DBIT, Bangalore-74

Signature of Co-ordinator(s)

Prof. Jai Prakash Prasad Prof. Gopinath C Y

Associate Professors Dept. of ECE DBIT, Bangalore-74

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Signature of the HOD

Dr. Maheswarappa A N Professor & HOD

Sept, DBIE BREALOR Communication

Name of the Examiner

1) Dr. Maheswara faba A.N 2) Prof. Suzesha. H.S

Signature of the Examiner,

ABSTRACT

This Seminar Paper proposes a safety management and control system for automotive anticollision electronic fences combined with a safe distance-time model. This paper takes microcontroller as the core, and uses laser sensor, fingerprint recognition, and configuration display as the auxiliary research and development to design a visual anticollision safety protection electronic fence for automobiles. The possibility of collision is judged by the interaction of the location information of the positioning tag worn by the personnel and the virtual electronic fence of the mechanical equipment. This enables early warning. The experimental study shows that the safety management and control system of the anti-collision electronic fence for automobiles proposed in this paper does not need to change the existing structures of various vehicles. The system is convenient and quick to use, and also conforms to the habits of all users. The cost is low, the anti-collision effect is good, and it is easy to popularize. At the same time, the system also contributes to the management of road vehicles.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangam" Belagavi-590014, Karnataka



A MINI PROJECT REPORT

ON

"High Speed Dynamic Strong ARM Latch Comparator"

Submitted in partial fulfilment of the requirements for the award of the degree

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

MEGHANA M SHASHIKALA B VIDHYASHREE R 1DB21EC401 1DB21EC406 1DB21EC407

Under the Guidance of

Prof. Swetha. B.V.

Assistant Professor Dept. of ECE, DBIT

DON BOSCO INSTITUTE OF TECHNOLOGY

Kumbalagodu, Mysore Road, Bangaluru – 560074. 2022-2023

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the mini project work entitled "Comparative Analysis of high speed dynamic strong arm latch comparator" is a bonafide work carried out by our student's Ms, Meghana M, USN: 1DB21EC401, Ms.Shashikala B, USN: 1DB21EC406, Ms.Vidyashree R, USN:1DB21EC407 of Sixth semester, in partial fulfilment for the award of degree of Bachelor of Engineering in Electronics and Communication Engineering of Visvesvaraya Technological University, Belagavi in the academic year 2022-2023. It is certified that all corrections/suggestions indicated during mini project work have been incorporated in the report deposited in the department library. The mini project has been approved as it satisfies the academic requirement in respect of the project work described for the partial fulfilment of said degree.

Signature of Guide

Prof. Swetha .B.V Assistant Professor Dept.of E&C, DBIT

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Signature of HOD Dr. Maheswarappa A N

BON BOSCO INSTITUTE OF TECONOLOGI Combalegodu, BANGALORE-560 074

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Signature of the Principal

Dr. B S Nagabhushana PRINCIPAL Don Bosed Institute of Technology RDBiBalagudu, Mysore Road Bangalore - 560 074

Signature with Date

Name of the Examiners

Dr. Shananbasappa

Dr. Inter

ABSTRACT

A new design has been proposed for a high speed, low power Strong ARM latch in 65nm CMOS high speed, low power Strong ARM latch in 65nm CMOS technology. Latching speed improvements of 18% and 16% have been achieved in comparison to the conventional and been achieved in comparison to the conventional and improved Strong ARM, respectively, while the energy consumption has also been reduced. As wireless communication is ever-evolving, demanding higher data speeds, the requirements increase for the ADC, and the requirements for the comparator, which is one of the main building blocks, increase as well. The primary purpose of the comparator is to compare two voltage levels and provide a logic output. One significant advantage of dynamic comparators is that they are more power-efficient than traditional comparators. There exist many different architectures for dynamic comparators. In this thesis, the most promising designs are optimized and evaluated over various parameters, such as speed, noise, offset, and hysteresis, while minimizing power consumption.

Keywords-Strong ARM latch, low power circuit design; comparator high speed