

## MARRI LAXMAN REDDY

### INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)
Accredited by NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

### INTERNAL QUALITY ASSURANCE CENTRE

#### ACADEMIC AND ADMINISTRATIVE AUDIT

#### Part-I: PRELIMINARY INFORMATION

A.Y:2021-2022(Odd Sem)

Date: 18/07/2022

Name of the Department	:	Electrical & Electronics
Address of the Institute	:	Dundigal, Hyderabad 18/07/2022: 10:00AM.
Date and time of visit	:	18/07/2022: 10:00AM.
External Members of the Audit Committee	:	Dr. P. Satish (HITAM)
el.	:	Dr. P. Sridhar (IARE)
	:	

# NAME OF THE DEPARTMENT: Electrical & Electronics Engineering PART-II: ACADEMIC INFORMATION

S.No	- A	Particular	Remarks
	Curricular Aspects (a) Course Offered	,	
	Name of the Course	Intake	
	B.Tech	60+6.	
1	(b) Semester wise curr available	icular Plan: Available / Not	Available
	(c) Coverage of Syllab	ous:	Coxecol
	(d) Report (with evid the revision of curricul	ences) on latest changes brought in lum and syllabus:	Yes.

Availa (a) Tea (b) Fac	y Status: Faculty: ble as per acher: Stud culty Inform	lent Ra	atio:		stration:		Regular 13	
Facu	-	4	Male	<sub>E</sub> Fo	emale		10	
	essors		1					
Asso	ciate profe	ssors	3					
Assis	tant profe	ssors	6		3			
(c) Tea	ching Exp ached:	erienc	e of the	Faculty i	n the institu	ıte:		
Exper	yea	1 -	5-10yrs	2-5 years	<2 years			
No.of Facu		3	3	1	3			
(d) Det	ails of Sup	portin	g Staff:					
	Assistants		3					
11) Ass	istant prog	ramme	ers:					
	ng – Lear						Ma	No.
a)	Availabili	y of c	ourse fil	es:			49	
6)	b) Student assignments:						yes	
	Tutorial cl						19	
	Remedial						yes yes	
e)	Field/Indu	ıstrial	visits:F	field or in	ndustrial vi	sits are	Ye	
	educationa	l excu	rsions t	o real-wo	orld sites, s	such as	C 1. 400	
	construction	n site	es, surv	eying lo	cations, n	naterial	windlusteer	)
	testing lal	os, co	ncrete	plants, a	nd infrast	ructure	Conducted	
	projects. 7	hese	visits p	rovide st	udents wi	th first	verified	
	hand expos	sure to	industr	y practic	es, enablin	g them	,	
- 8	to observe	and ur	nderstan	d how the	eoretical co	ncents		
	are applied	in pra	ctical se	ettings.		neepts		
f)	Student	centr		tivities:	Student-	centric	c 1.	1
	activities a	re lear			designed to	nlace	Condent	ed
	students at	the c	enter o	f the edi	cational p	rocess		
1-0-1	oromoting	activ	e partici	ipation. s	elf-directio	n and		
1	personalize	d lear	ning. T	hese act	ivities enc	Ollrage		
,	reativity.	prob	lem-solv	ving ar	d collabo	ration		
,	while allow	ving st	udents	to take o	wnership o	f their		
1	earning.	,		io tune 0	"Hersinp 0	i tilell		
	_	77es/11	orkshor	os/compe	titions			
		ducted		os/ compe	ittolls			
g) U	Jse of supp		-	china too	le and			
5)	nnlication	of ICT	rary tea	Ching too	is and			
23.2%	pplication	OI IC	, 171,	smart I V				
	\ *							
		(9)						
						1		

	term retention.		
	Learning thro		
	Learning through problem-		
	approach where students acq		
	skills by tackling real-wor	ld problems. This method	
	promotescritical thinking, crea	ativity, and analytical skillsas	
	learners apply their knowl		
	encouragesactive participation	n, collaboration, and practical	
	application of theoretical conc	eepts.	
		1/10 J N N N N N N N N N N N N N N N N N N	
	Laboratory Facilities:		
	(a) Number of Laboratories:	10	10
	i) Electrical Circuites Analys	is Lab	
	ii) Electrical Machines-I Lab		
	iii) Electrical Simulation Tool	s Lab	
	iv) Electrical Machines-II Lab		
	v) Measurements &Instrumen		
	vi) Control Systems		
	Vii) Power Systems Lab		
	Viii) Power Electronics Lab		
4	Ix) Project Lab		Compac
	(b) Working condition of equi		Ologo
	(c) Up gradation as per new to		yes
	developments and require	ments of the course	99
	curriculum:		
	(d) Availability of licensed so Curriculum:	ftware as per the course	Yes.
	(e) Computational facilities a	vailable (No. of labs):	20
	(f) Number of PCs: 60		matlab, multisi
	(g) Software available:		old law,
	(h) No of Printers/Scanners:1	/1	2/1
	(i) Availability of updated S		Yes
	Report on Student Results:		
	- July 1. Out State of the stat		
	a) Report on overall Results	s (B.Tech)	
5	Metric	Result	
3	Overall Pass Percentage	62.2-1.	
	Distinctions .		
	First Classes		
	(b) Deport on Competer -:	a magulta (D Tanh)	
	(b) Report on Semester wis	e results (B. I ecn)	

- h) Various Pedagogical Approaches, Drshya siksha sangrah with proof:
  - Lecture based teaching-learning: Modern approaches often combine lectures with interactive methods, such as group discussions, problem-solving, and technology, to make the learning experience more engaging and effective.
  - Group-teaching and learning: Collaborative Learning: Students work together in small groups, sharing knowledge, perspectives, and ideas to achieve a common learning goal.
  - Individual learning/self-study:self learning certificates.
  - Inquiry based learning: active learning approach where learners explore questions, problems, or scenarios rather than being presented with facts. It encourages curiosity, critical thinking, and problemsolving skills by involving students in the learning process throughinvestigation and discovery.

#### Expeditionary learning:

- i. Learning Expeditions:
- ii. Fieldwork and Case Studies
- iii. Authentic Projects
- iv. Experts and Community
  Involvement
- v. Reflection and Assessment

#### • Active learning:

is an educational approach where students learn from and with each other through collaboration, discussion, and shared problem-solving. It promotes active participation, enhances communication skills, and fosters a deeper understanding of the subject matter.

#### • Experimental learning:

Experiential Learning is a hands-on, active learning approach where students learn by doing and reflecting on their experiences. It emphasizes direct engagement with real-world tasks, allowing learners to apply theoretical knowledge in practical scenarios. This method fosters deeper understanding, problem-solving skills, and long-

Yes

yes

	(b) Report on Semester wise results (B.Tech)	- 4
	• I Semester Pass %: —	69.5 Y. 73.43 Y.
	• II Semester Pass %:	3000
	III Semester Pass %:	72117 1
	• IV Semester Pass %:	73.43 4.
	<ul> <li>V Semester Pass %:</li> </ul>	
	<ul> <li>VI Semester Pass%:</li> </ul>	67.74%
	<ul> <li>VII Semester Pass %:</li> </ul>	
	VIII Semester Pass %:	67·74%. 55·7%
	Outcome Based Education (OBE):	
	1. Proof for CO attainments:	Ve
	2. PO/PSO attainments:	19
	3. Action Taken Report(ATR) for non-attainment	Yes Available
6	of CO's, PO, & PSO's:	Available
	4. Course Description forms (Which includes	The state of the s
	Articulation matrix Direct & Indirect	yes
	assessment tools	yes.
		Yes
	5. Key competencies:	رد،
	Faculty Development Programs:	EGW17
	(a) FDPs amended by the faculty(Min 15 Days):	y aff virite
	(i) National:	
	(i) National: (ii) International:	
	(b) Conferences attended by the faculty:	1
	(i) National:	
7	(ii) International:	
	(c) Workshops attended by the faculty:	1
	(i) National:	
	(ii) International:	
	(d) Short Term Training Program (STTP) attended	
	by the faculty:	
	(i) National:	
	(ii) International:	
	M. 1. 13.1.	

	Research	Publication	s:			
8	(c). Report Design	f publication (i). Nation (ii). Internation (i). Nation (i). Nation (ii). Internation (ii). Book (ii). Book (iii). Book (iii). Book (iii). Book (iii). Grant (iii) Grant	1			
8	I I I I I	ame of PI	Funding agency	Amount	Status	
		rt on Consu				
	Name of Faculty	Client Organizatio	Project	consultancy	Amount	
		VD Blym	SEH	ring sald	105070	
			Oxpat	WISH EGY	ounding	
		other facilit				:
9	(ii	Number o ) Total volu i) Number o v) Departmen	675			
	Placemen	nt Activities				
10	(ii) No. (iii) No. (iv) Hig (v) Ave (vi) Me	of compani of Placeme of Students ther salary of erage salary dian salary of	nts offered placed: ffered: offered:			11 46 46 65 65 65 67 40 25 67 40 20 86 40 40 40 40 40 40 40 40 40 40 40 40 40
		campus pla gher education				2.8 LPA 1

. 11	Report on Minutes of meetings and also on action taken/initiated respectively:  (a) Board of studies: (b) Department Advisory Board: (c) Programme Assessment and Quality improvement Committee: (d) Any Other Academic Committee:	yes yes yes
12	Suggestions/Comments:  1. Conduct more Workshops  For Students.	
	Signatures of the External Members	Short ord
		Saftish



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#### INTERNAL QUALITY ASSURANCE CENTRE

#### ACADEMIC AND ADMINISTRATIVE AUDIT

#### Part-I: PRELIMINARY INFORMATION

A.Y:2021-2022(Even Sem)

Date: 10 | 0 | 2023

Name of the Department	: Eketrial & Electronicy Engin
Address of the Institute	: Dundigal, Hyderabad
Date and time of visit	: 10-01-2023
<b>External Members of the Audit Committee</b>	: Dr. p. Satish (HITTOM)
. Ear	: Dr. P. Sridhar (PARE)
31/	

# NAME OF THE DEPARTMENT: Electrical & Electronics Engineerry

#### PART -II: ACADEMIC INFORMATION

S.No		Particular	Remarks
	Curricular Aspects (a) Course Offered		
	Name of the Course	Intake	- " "
	B.Tech	60+6	
1	(b) Semester wise curri available	icular Plan: Available / Not	Available
	(c) Coverage of Syllab	us:	Covered
	(d) Report (with evide the revision of curricul	ences) on latest changes brought in	401

Kaculty		on:	Male		E	1				Regu 13 15:1	
Faculty Professors		1	viaie		rei	nale	-				
Associate professors		rs	2								
Assistant p			36			3					
(c) Teaching Attached:		,			ty in	the in	stitu	te:			
Experience	>10 years	5-1	0yrs	2-5 year	rs.	<2ye	ears				
No. of Faculty	3	1	3	(		3					
(d) Details of i) Lab Assis		_	Staff:								
ii) Assistant			ii-								
Teaching - L											
a) Availa			se file	es:						yes	
b) Studen										ye	
c) Tutori										146:	
d) Remed	dial clas	ses:								yes	
e) Field/			isits:	Field	or in	dustri	al vi	sits a	e	yes	
	tional ex								S	1	
	uction								al C	unde	icte
	labs.	conc	rete	plant	S 21	nd in	fun at	ruetu	350		Λ
testing					J. a.	10 111	Irasi	iuctui	e .		
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testing projec hand e to obs	ts. Thesexposure erve and	se vi e to i l und	sits p ndust erstar	provid ry pra nd hov	le stractice w	udents es, ena	s wi ablin	th first	n	Uizi I	ed
testing project hand of to obs are ap	ts. Thesexposure erve and plied in	se vi e to i d und pract	sits pundust erstartical s	providing present the province of the province	le stractice we the	udents es, ena eoretic	s wi ablin al co	th first g then oncept	n S	uizi+	ed
testing project hand et o obstare app	ts. Thesexposure erve and plied in the ce	se vi e to i l und pract ntric	sits p ndust erstar ical s	providing practice of the provided how etting ettivition of the provided his provid	te structive the structure of the struct	es, ena coretic	wi ablin al co	th first g then oncept centri	n cs		
testing project hand et to obstare approject f)  Stude activit	ts. Thesexposure erve and plied in the ce ies are left.	se vi e to i d und pract ntric earni	sits p ndust erstar ical se ac ng ex	providing preductions of the provided preductions of the preductions o	the structice with the structure.	es, ena coretic Studesign	s windling was controlled to the windle with the windle windle windle with the windle w	th first g then oncept centri	m c e	yes Yes	
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festing project hand et o obstare appropriate activity student prometric prometric project pro	ts. These exposure erve and plied in the ce ies are leads at the coting according according according to the coting according	se vi e to i d und pract ntrice earni e cer	sits production in the start inear in the start in the start in the start in the start in the st	providing perior the cipatic	le stractice w the s. les: nces edu	Students Studesign cation	s windling all conditions with the conditions	th first g there onceptor centric p place rocess on, an	n c e e s, d		
testing project hand et to obstare appropriate activities student person	ts. These exposure erve and plied in the ce ies are lets at the oting actualized.	se vi e to i d und pract ntrice earni e cen tive learn	sits production and sits are	providing providing the perior of the cipatic These	le stractice w the s. les: nces edu	Students Studesign cation elf-dir vities	dent- ned to al prectice	th first g therefore centric centric o place rocession, an ourage	c c e e s, d		
f) Stude activit studen person creative	ts. These exposure erve and plied in the ce ies are letts at the oting actualized by ity, properties.	se vi e to i d und pract ntrice earni e cer ettive learn roble	sits product and sits are sits	providing praid how etting ettivition perien of the cipatical These ving,	le stractice we the s. les: edu on, se acti	Students Studesign cation elf-dir vities d	dent- ned t nal p rection	th first g there once procession, an ourage oratio	c e e s, d e e n		
festing project hand et to obstare appropriate activities student person creative while	ts. These exposure erve and plied in the ce ies are lets at the oting actualized by ity, preadle allowing allowing allowing allowing the exposure of the control of the con	se vi e to i d und pract ntrice earni e cer ettive learn roble	sits product and sits are sits	providing praid how etting ettivition perien of the cipatical These ving,	le stractice we the s. les: edu on, se acti	Students Studesign cation elf-dir vities d	dent- ned t nal p rection	th first g there once procession, an ourage oratio	c e e s, d e e n		
f) Stude activit studen person creative while learning	ts. These exposure erve and plied in the ce ies are letter at the conting actualized by ity, proposed allowing and in the continuous are in the continuous	se vi e to i d und pract ntrice earni e cer tive learn roble g stu	sits production and sits are recorded as a congress of the con	providing praid how etting ctiviting perior of the cipatic These ving, to talk	le stractices we the s. les: nces edu acti an ke ov	Students Studesign cation elf-dir vities d co	dent- dent- dent- ned to al prectice enco llab	th first g there once procession, an ourage oratio	c e e s, d e e n		
festing project hand of to obstate appropriate activity student person creative while learning to obstate the student promote the student promote the student person creative while the student person creative wh	ts. These exposured erve and plied in the ce ies are leads at the coting act alized by ity, proposed allowing allowing.  Quizze	se vi e to i d und pract ntrice earni e cer etive learn roble g stu	sits production and sits are recorded as a congress of the con	providing praid how etting ctiviting perior of the cipatic These ving, to talk	le stractices we the s. les: nces edu acti an ke ov	Students Studesign cation elf-dir vities d co	dent- dent- dent- ned to al prectice enco llab	th first g there once procession, an ourage oratio	c e e s, d e e n		
festing project hand eto obstare appropriate activities student promore person creative while learning.	ts. These exposure erve and plied in the ce ies are lets at the city, proposed plied in allowing allowing.  Quizze conductions.	se vi e to i d und pract ntrice earni e cer tive learn roble g stu	sits produst erstar ical series are negreconter of particing. Impossible dents	providing praid howetting perient of the cipatic These ving, to tall pps/co	le stractice w the s. les: nces edu on, se acti an ke or	Students es, enaceoretic Studesign cation vities decompositions	s wi swihblin al co dent- dent- ned t al p ection enco bllab	th first g there once procession, an ourage oratio	c e e s, d e e n		
festing project hand of to obstate appropriate activity student person creative while learning.	exposure erve and plied in nt ce ies are le its at the oting ac adized le vity, pro- allowing allowing e. Quizze conduct	se vi e to i d und pract ntrice earni e cer tive learn roble g stu- es/wo eted: menta	sits product and sits are sits	providing praid how etting ctiviting perient of the cipation These ving, to tall ops/co	le stractice w the s. les: nces edu acti an ke or mper	Students eoretic Studesign cation vities d cowners titions	s wi swihblin al co dent- dent- ned t al p ection enco bllab	th first g there once procession, an ourage oratio	c e e s, d e e n		
festing project hand of to obstate appropriate activity student person creative while learning.	ts. These exposure erve and plied in the ce ies are lets at the city, proposed plied in allowing allowing.  Quizze conductions.	se vi e to i d und pract ntrice earni e cer tive learn roble g stu- es/wo eted: menta	sits product and sits are sits	providing praid how etting ctiviting perient of the cipation These ving, to tall ops/co	le stractice w the s. les: nces edu acti an ke or mper	Students eoretic Studesign cation vities d cowners titions	s wi swihblin al co dent- dent- ned t al p ection enco bllab	th first g there once procession, an ourage oratio	c e e s, d e e n		

mbe in	term retention.		
	Learning through problem approach where students skills by tackling real-promotescritical thinking, learners apply their known	through problem-solving: lem-solving is an education acquire knowledge and develor world problems. This methological skills creativity, and analytical skills owledge to find solutions. ation, collaboration, and practical concepts.	od as
	Laboratory Facilities: (a) Number of Laboratorie i) Electrical Circuites Ana ii) Electrical Machines-I L	alysis Lab	10.
	iii) Electrical Simulation To iv) Electrical Machines-II I	ools Lab Lab	
	v) Measurements &Instrun vi) Control Systems Vii) Power Systems Lab	nenttion Lab	
4	Viii) Power Electronics Lab Ix) Project Lab		
	<ul><li>(b) Working condition of eq</li><li>(c) Up gradation as per new developments and require</li></ul>	technological	Working Good, Yes
	curriculum: (d) Availability of licensed s Curriculum:	software as per the course	Yes
	(e) Computational facilities (f) Number of PCs: 60	available (No. of labs):	30
(	<ul><li>(g) Software available:</li><li>(h) No of Printers/Scanners:</li><li>(i) Availability of updated S</li></ul>	1/1 Stock registers: Yes	Mathb, Multis 21, Yes.
1	Report on Student Results:		yes .
a	n) Report on overall Results	s (B.Tech)	
	Metric Overall Pass Percentage Distinctions First Classes	Result 62.2%	
	. Hot Classes		

- h) Various Pedagogical Approaches,Drshya siksha sangrah with proof:
  - Lecture based teaching-learning: Modern approaches often combine lectures with interactive methods, such as group discussions, problem-solving, and technology, to make the learning experience more engaging and effective.

Group-teaching and learning: Collaborative Learning:
 Students work together in small groups, sharing knowledge, perspectives, and ideas to achieve a common learning goal.

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- Inquiry based learning: active learning approach where learners explore questions, problems, or scenarios rather than being presented with facts. It encourages curiosity, critical thinking, and problemsolving skills by involving students in the learning process throughinvestigation and discovery.

**Expeditionary learning:** 

- i. Learning Expeditions:
- ii. Fieldwork and Case Studies
- iii. Authentic Projects
- iv. Experts and Community
  Involvement
- v. Reflection and Assessment

#### Active learning:

is an educational approach where students learn from and with each other through collaboration, discussion, and shared problem-solving. It promotes active participation, enhances communication skills, and fosters a deeper understanding of the subject matter.

Experimental learning:

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yes.

yes

yes

	(b) Report on Semester wise results (B.Tech)	
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> </ul>	647
	<ul> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass%:</li> </ul>	647 73.47 70.967 62.27.
	<ul><li>VII Semester Pass %:</li><li>VIII Semester Pass %:</li></ul>	62.2.1.
	Outcome Based Education (OBE):	
	<ol> <li>Proof for CO attainments:</li> <li>PO/PSO attainments:</li> <li>Action Taken Report(ATR) for non-attainment</li> </ol>	Yes Yes Available
6	of CO's, PO, & PSO's: 4. Course Description forms (Which includes Articulation matrix Direct & Indirect assessment tools	Available
	5. Key competencies:	Yes Yes
	Faculty Development Programs:	por The law Ard
	(a) FDPs amended by the faculty(Min 15 Days):  (i) National:  (ii) International:	10.
7	(b) Conferences attended by the faculty:  (i) National:  (ii) International:	5 5
	(c) Workshops attended by the faculty:  (i) National:  (ii) International:	
	(d) Short Term Training Program (STTP) attended by the faculty:  (i) National:	
	(ii) International:	

	Resear	ch Publication	ıs:			- 1 1	
	(a). No	(i). Nation (ii). Intern	nal:	nals:		1	
	(b). No	(i). Natio (ii). Inter (iii). Bool	onal: national:			7	
8	(c). Report on Patents/ copyrights/Industrial Designs  (i) Published:  (ii) Granted:						
	1 (2) 2	port on Ongoi search Projec	ng Resear t details:	ch /Sponso	red		
	Title	Name of PI & CO-PI	Funding agency	Amount	Status		
		1011					
	(e). Report on Consultancy details:						
	Name	of Client	Title of				
	Faculty			consultancy	Amount		
	Dr.A.Vin	od UD Polyma	n Eyuan	ng safety	105070		
		U	Enter h	reney with	Ounder		
	Librar	y, other facilit		3111000	,	:	
		(i) Number of	f Titles:			620	
9		(ii) Total volu		oks:		1216	
		(iii) Number o				6	
		(iv) Departmen	nt Magazin	es:		6	
	Placem	ent Activities:	}			,	
	(i) N	To	- X7:-:4-1.				
	1 (Salata )	No. of companie No. of Placemen				11	
		No. of Students				54	
10		ligher salary of				46	1
		verage salary o Jedian salary o				6.5LPA	
		Off campus place				4.25 UPA	
	(viii) H	Higher educatio	n:			6.5LPA 4.25LPA 2.8 LPA	
						1	

11	Report on Minutes of meetings and also on action taken/initiated respectively:  (a) Board of studies: (b) Department Advisory Board: (c) Programme Assessment and Quality improvement Committee: (d) Any Other Academic Committee:	Yes Yes Yes
12	Suggestions/Comments:  1. Motivate Studenty to Complete More NPTEL Certification Courses Relevent to Core and Elective Subjects.  2. Few students are opting for Highes education Motivate students to explore advanced academic and Green appointmitis.	
	Signatures of the External Members	Salling



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Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section2(f) & 12(B)of the UGC act, 1956

#### Minutes of the Meeting of BoS (UG -B.Tech) for <u>Electrical and Electronics Engineering</u> held on 07.01.2021

The meeting of all the members of Board of studies Electrical and Electronics Engineering of MLRITM College, Dundigal is conducted on 07.01.2021 at 03.00 P.M through ONLINE of this institute.

The following are the BoS members for the Electrical and Electronics Engineering branch subjects:

S. No.	No. Name of the BoS members Parent Organization Designation		BoS Designation	
1	Dr. A. Vinod.  Professor & HOD, Dept. of EEE, MLRITM		Chairman.	
2	Mr. P. Venkata Narayana.	Associate Professor, Dept. of EEE, JNTUH.	JNTUH, Nominee	
3	Dr. A. Raghu Ram.	Professor & HOD. Department of EEE, JNTUH, Hyderabad.	Subject Expert.	
4	Dr. G. Mallesham.	Professor, Department of EEE, Osmania University, Hyderabad.	Subject Expert.	
5	Mr. Bharatha Bhargav.	Deputy Manager - Engg. Division, Raychem PRG International Electrical Ltd., Hyderabad.	Expert from Industry.	
6	Dr. R .Isaac	Professor, Dept of EEE, MLRITM.	Member.	
7	Mr. M. Shankar	Asst. Professor, Dept of EEE, MLRITM	Member.	
8	Mr. A. Muneiah	Asst. Professor, Dept of EEE, MLRITM	Member.	

BoS Chairman for the Electrical and Electronics Engineering (EEE) department has welcomed honorable members to the BoS meeting.

The BoS meeting has commenced with the permission of the Chairman.

Chairman and BoS Members have gone through

- MLRS R20 regulations
- Service subjects offered by EEE Department (Annexure I)
- Course structure (Annexure II)
- Syllabus (Annexure III)

Offered by the EEE department for the students admitted with effect from the Academic Year (2020- 2021) are finalized in detail and at length of syllabus for the Theory & Laboratory subjects as well as service subjects offered by EEE department are enclosed.

The following members have attended the BoS meeting:

S. No.	Name & Details of Members	Designation	Signature
1	Dr. A. Vinod, Professor & HOD, Dept. of EEE, MLRITM	Chairman, Dept. of EEE, MLRITM	July.
2	Mr. P Venkata Narayana Associate Professor, Dept. of EEE, JNTUH.	Member, JNTUH- Nominee	10-1
3	Dr. A. Raghu Ram, Professor & HOD, Dept of EEE, JNTUH, Hyderabad.	Member, Subject Expert, Dept. of EEE, JNTUH, Hyderabad.	ogh
4	Dr. G. Mallesham Professor & HOD, Dept of EEE, Osmania University, Hyderabad.	Member, Subject Expert, Dept of EEE, OU, Hyderabad.	CHI)
5	Mr. Bharatha Bhargav, Deputy Manager - Engg. Division, Raychem PRG International Electricals Ltd.	Member, Expert from Industry	Spriate
6	Dr. R .Isaac Professor, Dept of EEE, MLRITM	Member, Dept. of EEE, MLRITM	Je A
7	Mr. M. Shankar, Assistant Professor, Dept of EEE, MLRITM	Member, Dept of EEE, MLRITM	(Day
8	Mr. M. Munieah, Assistant Professor, Dept of EEE, MLRITM	Member, Dept of EEE, MLRITM	A. Huc

Date: 07/01/2021

Chairman, BoS.



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### INTERNAL QUALITY ASSURANCE CENTRE

#### ACADEMIC AND ADMINISTRATIVE AUDIT

#### Part-I: PRELIMINARY INFORMATION

A.Y: 2021-2022 (ODD) Date: 18/7/2022

Name of the Department	:	Mechanica Engineering
Address of the Institute	:	Bundland, Hyderaland
Date and time of visit	:	18/07/2022, 10 AM
<b>External Members of the Audit Committee</b>	:	7,70,1,1
	:	Dr. P. Satish (+17m)
		Dr. P. Sridhar (2005)
P 69 '		(1ARE)

## NAME OF THE DEPARTMENT: Mechanical Engineering.

#### PART-II: ACADEMIC INFORMATION

S.No	. 1	Remarks	
72	Curricular Aspects (a) Course Offered		
	Name of the Course	Intake	
	B.Tech	60	
	M. Tech	18	
1	(b) Semester wise curricular Plan: Available / Not available		trailable
	(c) Coverage of Syllabus:		yrey
	(d) Report (with evidences) on latest changes brought in the revision of curriculum and syllabus:		7mg

	Faculty Status: Total Faculty: Available as per AICTE/JI (a) Teacher: Student Ratio: (b) Faculty Information: Faculty Management Man		Registration:	Regular 18 yus 1:20
2	(c) Teaching Experience of the Attached:    Experience   >10   5-10y	rs 2-: ye	202147	· Yuy
# w	ii) Assistant programmers:  Teaching – Learning:  a) Availability of Course File b) Student Assignments: c) Tutorial classes: d) Remedial Classes: e) Field/Industrial visits: f) Student Centric Activities:	es:		749 749 749
3	<ul> <li>Quizzes / workshops /</li> <li>g) Use of supplementary teac</li> <li>Of ICT: PPT, Smart TV.</li> <li>h) Various Pedagogical approsangrah with proof:</li> <li>i) Lecture based teaching</li> </ul>	hing to aches,	ols and application Drshya Siksha	745 445 447
	ii) Group-teaching and lea iii) Individual learning/self iv) Inquiry based learning: v) Kinesthetic learning: vi) Game Based learning: vii) Expeditionary learning: viii) Peer learning: ix) Experimental learning x) Learning through proble	rning: -study:		44 44 44 44 44 44 44 44 44
4	<ul><li>(a) Number of Laboratories:</li><li>(b) Working condition of equip</li></ul>	ment:		19 working

Abautiful Car

(c) Up gradation as per new	technological	Val		
developments and requir	ements of the course	4.9		
curriculum:				
(d) Availability of licensed	VIII			
Curriculum:	07			
(e) Computational facilities	9			
(f) Number of PCs:	72			
(g) Software available:		Yey		
(h) No of Printers/Scanners		01/01		
(i) Availability of updated	Stock registers	Yes		
Report on Student Results				
a) Report on overall Resul	ts (B.Tech)			
Metric	Result			
Overall Pass Percentage				
Distinctions				
First Classes				
<ul> <li>I Semester Pa</li> <li>III Semester Pa</li> <li>III Semester Pa</li> <li>IV Semester Pa</li> <li>V Semester Pa</li> <li>VI Semester Pa</li> <li>VII Semester Pa</li> <li>VIII Semester Pa</li> <li>VIII Semester Pa</li> </ul>	ass %: ass %: ass %: ass %: ass %: ass %:	65.15%. 72.03%. 85.96%.		
Number of Students discont	inued from the program:			
(c) Report on overall Resu M. Tech/MBA):	lts (PG Programs:			
Metric	Result			
Overall Pass Percentage	0.49			
Distinctions				
First Classes				
M. Tech/MBA:				
<ul><li> I Semester Pass %</li><li> II Semester Pass%:</li></ul>	List Y	100 y.		
Il Semester Passyo:				
III Semester Pass %	•	1 may		

Outcome Based Education (OBE):  1. Proof for CO attainments: 2. PO/PSO attainments: 3. Action Taken Report(ATR) for non-attainment	Yes
<ul><li>2. PO/PSO attainments:</li><li>3. Action Taken Report(ATR) for non-attainment</li></ul>	Yes
of CO's, PO, & PSO's: 4. Course Description forms (Which includes Articulation matrix Direct & Indirect assessment tools 5. Key competencies:	rug rug rug
Faculty David B	
<ul> <li>(a) FDPs amended by the faculty(Min 15 Days): <ul> <li>(i) National:</li> <li>(ii) International:</li> </ul> </li> <li>(b) Conferences attended by the faculty: <ul> <li>(i) National:</li> <li>(ii) International:</li> </ul> </li> </ul>	
(c) Workshops attended by the faculty:  (i) National:  (ii) International:	
(d) Short Term Training Program (STTP) attended by the faculty:  (i) National:  (ii) International:	VƏ
(e) Facility of Academic Leaves with pay for faculty to higher studies or attend FDPs:	Ves
(f) Reimbursement of Registration Fee and TA/DA expenses along with Special Leave for participation in FDPs Conferences Workshops etc.:	res
	Faculty Development Programs:  (a) FDPs amended by the faculty(Min 15 Days):  (i) National: (ii) International:  (b) Conferences attended by the faculty: (i) National: (ii) International:  (c) Workshops attended by the faculty: (i) National: (ii) International:  (d) Short Term Training Program (STTP) attended by the faculty: (i) National: (ii) International:  (e) Facility of Academic Leaves with pay for faculty to higher studies or attend FDPs:  (f) Reimbursement of Registration Fee and TA/DA expenses along with Special Leave for participation in FDPs Conferences

(i). Nati (ii). Inte (iii). Boo port on Paten signs	onal: national: ons in Conf ional: rnational: ok Chapters	ferences:	31 811	6			
(i). Nati (ii). Inte (iii). Boo port on Paten signs	onal: rnational: k Chapters:	A		2			
signs	tal convivia		(b). No. of publications in Conferences:  (i). National:  (ii). International:  (iii). Book Chapters:				
	ished:	hts/Industr	ial	2			
(ii) Grar eport on Ongo esearch Projec	ing Resear	ch /Sponso	red		a see qu		
Name of PI & CO-PI N. S.P. Jani	Funding agency	Amount SD4000	Status	hant?			
(e). Report on Consultancy details:							
of Client ty Organization halo Friend Publication	on Project	n a wheel	Amount				
epartment Lib (i) Number of (ii) Total vol	orary: of Titles:	oks:		: 89 151			
(iii) Number of Journals: (iv) Department Magazines: (b). Any other please specify:			6				
nent Activities	ies Visited: ents offered s placed:		0 2 2	200			
	lo. of Placeme lo. of Student	Io. of Placements offered Io. of Students placed:		No. of Placements offered:	Io. of Placements offered:		

11	Report on Minutes of meetings and also on action taken/initiated respectively:  (a) Board of studies: (b) Department Advisory Board: (c) Programme Assessment and Quality improvement Committee: (d) Any Other Academic Committee:	Yey Yey Yes
	Signatures of the External Members	Sulland Sulland

Comments
1. Motivate Students to Complete Global Certification
Courses.



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#### INTERNAL QUALITY ASSURANCE CENTRE

#### ACADEMIC AND ADMINISTRATIVE AUDIT

#### Part-I: PRELIMINARY INFORMATION

A.Y: 2021-2022 (EVEN) Date: 10/01/2023

Name of the Department	:	Dundigal, Hyserdsad
Address of the Institute	:	Dundigal, Hyserdad
Date and time of visit	:	10/01/2023, 10 AM
<b>External Members of the Audit Committee</b>	:	
	:	Dr.P. Sedish (HITM)
	:	Dr. P. Sridhar (JARE)

NAME OF THE DEPARTMENT: Dechanged Engineering.

#### PART-II: ACADEMIC INFORMATION

S.No	Particular	Remarks
	Curricular Aspects (a) Course Offered	
	Name of the Course Intake	
	B.Tech 60	
	M. Tech	
1	<ul><li>(b) Semester wise curricular Plan: Available / Not available</li><li>(c) Coverage of Syllabus:</li></ul>	Aveilable
	(d) Report (with evidences) on latest changes brought	V.,

	Faculty Status: Total Faculty: Available as per (a) Teacher: Stude (b) Faculty Inform	Regular 18 747 1:20						
	Faculty		Male	٠,,,	Fen	nale		
	Professors	,	.4	,				A to the state of
	Associate professors U							
	Assistant profes	sors	7	07	2	2		
2	(c) Teaching Expo	erience o	of the	Facul	ty in	the in	nstitute:	V
	Experience >10 year	The second second	0yrs	2-5 yea		<2y	ears	
	No. of Faculty	- 7	,	9	3	2		4.751.66
14	(d) Details of Sup i) Lab Assistants ii) Assistant prog	s: rammers				120		ves
	<ul><li>a) Availability of</li><li>b) Student Assign</li></ul>	Teaching – Learning:  a) Availability of Course Files:  b) Student Assignments:						743 743 743 743
	c) Tutorial classes:						Yes	
	d) Remedial Classes:						Yes	
	e) Field/Industria	d visits:						Yuy
	f) Student Centri	c Activit	ties:					
	Quizzes /	worksho	ps/c	ompe	tition	ns cor	iducted:	Yes
	g) Use of supplementary teaching tools and application Of ICT: PPT, Smart TV.						yes	
•	h) Various Pedagogical approaches, Drshya Siksha							
3	Sangrah with proof:						Yes	
	i) Lecture ba	sed teac	hing-	learni	ng:			yes
	ii) Group-tea	ching an	d lear	ning:				Yes
	iii) Individual	iii) Individual learning/self-study:						44
	iv) Inquiry ba	sed learn	ning:	-10				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	v) Kinestheti	c learnin	ıg:					749
	vi) Game Bas	ed learn	ing:					44
	vii) Expedition	nary lear	ning:					yy
	viii) Peer learning:						Yes	
	ix) Experimental learning						You	
	x) Learning through problem-solving:						Mus	
	Laboratory Faci						1 44	
4								1)
. Kari	(a) Number of La							12 working
	(b) Working cond	lition of	equip	ment	:			working

	(c) Up gradation as per nev	v technological	
	developments and requi		4.9
	curriculum:		
	(d) Availability of licensed	software as per the course	W
	Curriculum:		15
	(e) Computational facilities	s available (No. of labs):	72 74 01/01
	(f) Number of PCs:		72
	(g) Software available:		~u
	(h) No of Printers/Scanners	S:	ollo
	(i) Availability of updated		Yes
	Donard on Student Donald	. Trail	
	Report on Student Results		
	a) Report on overall Resul	lts (B.Tech)	
	Metric	Result	
	Overall Pass Percentage	82.57	
	Distinctions	/	
	First Classes		
	I Semester P     II Semester P		
5	<ul> <li>II Semester P</li> <li>III Semester P</li> <li>IV Semester P</li> <li>V Semester P</li> <li>VI Semester P</li> <li>VII Semester P</li> <li>VII Semester P</li> <li>VIII Semester P</li> </ul>	rass %: ass %: tinued from the program:	69.67 %. 73.73 %. 92.28 %.
5	<ul> <li>II Semester P</li> <li>III Semester P</li> <li>IV Semester P</li> <li>V Semester P</li> <li>VI Semester P</li> <li>VII Semester P</li> <li>VIII Semester P</li> <li>VIII Semester P</li> <li>VIII Semester P</li> <li>Mumber of Students discont</li> <li>(c) Report on overall Result</li> <li>M. Tech/MBA):</li> </ul>	rass %: ass %: tinued from the program:	
5	<ul> <li>II Semester P</li> <li>III Semester P</li> <li>IV Semester P</li> <li>V Semester P</li> <li>VI Semester P</li> <li>VII Semester P</li> <li>VIII Semester P</li> <li>VIII Semester P</li> <li>VIII Semester P</li> <li>Mumber of Students discont</li> <li>(c) Report on overall Result</li> <li>M. Tech/MBA):</li> </ul>	rass %: ass %: tinued from the program:	
5	<ul> <li>II Semester P</li> <li>III Semester P</li> <li>IV Semester P</li> <li>V Semester P</li> <li>VI Semester P</li> <li>VII Semester P</li> <li>VIII Semester P</li> <li>VIII Semester P</li> <li>VIII Semester P</li> <li>Mumber of Students discont</li> <li>(c) Report on overall Result</li> <li>M. Tech/MBA):</li> </ul>	lass %: ass %:	
5	<ul> <li>II Semester P</li> <li>III Semester P</li> <li>IV Semester P</li> <li>V Semester P</li> <li>VI Semester P</li> <li>VII Semester P</li> <li>VIII Semester P</li> <li>VIII Semester P</li> <li>VIII Semester P</li> <li>Mumber of Students discont</li> <li>(c) Report on overall Result</li> <li>M. Tech/MBA):</li> </ul>	lass %: ass %:	
5	<ul> <li>II Semester P</li> <li>III Semester P</li> <li>IV Semester P</li> <li>V Semester P</li> <li>VI Semester P</li> <li>VII Semester P</li> <li>VIII Semester P</li> <li>VIII Semester P</li> <li>VIII Semester P</li> <li>Mumber of Students discont</li> <li>(c) Report on overall Result</li> <li>M. Tech/MBA):</li> </ul>	lass %: ass %:	
5	III Semester P III Semester P IV Semester P V Semester P VI Semester P VII Semester P VIII Semester P V V V V V V V V V V V V V V V V V V V	lass %: ass %:	
5	<ul> <li>II Semester P</li> <li>III Semester P</li> <li>IV Semester P</li> <li>V Semester P</li> <li>VI Semester P</li> <li>VII Semester P</li> <li>VIII Semester P</li> <li>VIII Semester P</li> <li>VIII Semester P</li> <li>In the point of Students discontents discontent</li></ul>	Pass %: ass %: ass %: ass %: ass %: ass %: ass %: tinued from the program: alts (PG Programs:  Result	
5	III Semester P III Semester P IV Semester P V Semester P VI Semester P VII Semester P VIII Semester P V V V V V V V V V V V V V V V V V V V	rass %: ass %: ass %: ass %: ass %: ass %: ass %: tinued from the program: alts (PG Programs:  Result  vise results (PG Programs:	92.28)

:

Number of Students discontinued the program:	
Outcome Based Education (OBE):	
1. Proof for CO attainments:	Yes
2. PO/PSO attainments:	Yes
3. Action Taken Report(ATR) for non-attainment of CO's PO & PSO's:	Yes Yes Yes
	Viet
	ves
	Vel
c. recy competences.	<i>v</i> >
	1000
Faculty Development Programs:	
(a) FDPs amended by the faculty(Min 15 Days):	
(i) National:	
(ii) International:	
(A) Conf.	
(II) International:	
(c) Workshops attended by the faculty:	
(i) National:	
(ii) International:	
	5
(11) International:	
(e) Facility of Academic Leaves with pay for faculty	
to higher studies or attend FDPs:	48
(f) Reimbursement of Registration	
	ynes
Workshops etc.:	1
	Outcome Based Education (OBE):  1. Proof for CO attainments: 2. PO/PSO attainments: 3. Action Taken Report(ATR) for non-attainment of CO's, PO, & PSO's: 4. Course Description forms (Which includes Articulation matrix Direct & Indirect assessment tools 5. Key competencies:  Faculty Development Programs:  (a) FDPs amended by the faculty(Min 15 Days):         (i) National:         (ii) International:  (b) Conferences attended by the faculty:         (i) National:         (ii) International:  (c) Workshops attended by the faculty:         (i) National:         (ii) International:  (d) Short Term Training Program (STTP) attended by the faculty:         (i) National:         (ii) International:  (e) Facility of Academic Leaves with pay for faculty to higher studies or attend FDPs:  (f) Reimbursement of Registration Fee and TA/DA expenses along with Special Leave for participation in FDPs Conferences

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	Resear	ch Publication	ıs:			
	(a). No	(i). Nation (ii). Intern	4			
	(b). No	(i). Nation (ii). Inter (iii). Bool	onal: national:			2
8	Des (d). Re	port on Patent signs (i) Publi (ii) Grant port on Ongoi esearch Project	2			
	Title	Name of PI & CO-PI	Funding agency	Amount 50,4000	Status	S. C. Philipping
	Name Facult	port on Consu				
9	(a). De	epartment Libration (i) Number of (ii) Total volution (iii) Number of (iv) Department of the please	: 89 151 6			
10	(i) II (ii) II (iii) II (iv) II (v) II (vi) II (vii) II	No. of compani No. of Placeme No. of Students Higher salary of Average salary Median salary of Off campus pla Higher education	13 73 74 2-5 LPA 2-5 LPA 01 05			

11	Report on Minutes of meetings and also on action taken/initiated respectively:  (a) Board of studies: (b) Department Advisory Board: (c) Programme Assessment and Quality improvement Committee: (d) Any Other Academic Committee:	Y'y Yes
	Signatures of the External Members	Sathing

Comments

1. To Encourange Students to learn Lomerging area Courses.



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### INTERNALQUALITYASSURANCECENTRE

#### ACADEMICANDADMINISTRATIVEAUDIT

#### Part-I:PRELIMINARYINFORMATION

2021-2022 (EVEN)

Date: 10 01 23

Name of the Department	:	computer science And Engineering
Address of the Institute	:	Dundigal
Date and time of visit	:	10/01/2023, 10AM.
<b>External Members of the Audit Committee</b>	:	Dr. P. Sathish (HITAM)
	:	Dr. P. Stidhar (IAE)
	:	

#### NAME OF THE DEPARTMENT:

#### PART-II: ACADEMIC INFORMATION

S.No	8	Remarks		
	Curricular Aspects (a) Course Offered			
	Name of theCourse	Intake		
	B.Tech	193		
	M. Tech	06		
1	(b) Semester wise curr available	icular Plan: Available / Not	Available	
	(c) Coverage of Syllab	us:	Covered	
	(d) Report (with evide in the revision of currie	409		

2	Faculty Status: Total Faculty: Available as per AICTE/JNTUH Registration: (a) Teacher: Student Ratio: (b) Faculty Information:  Faculty Male Female Professors Do Do Associate professors Do						
	No. of Faculty		16	18	10		1
	(d) Details of i) Lab Assis ii) Assistant	tants:					- 8
	Teaching – Learning:  a) Availability of Course Files: b) Student Assignments/Unit Test: c) Tutorial classes: d) Remedial Classes: e) Field/Industrial visits/Internships: f) Student Centric Activities:						conducted conducted conducted visited
3	<ul> <li>Quizzes / workshops / competitions conducted:</li> <li>g) Use of supplementary teaching tools and application Of ICT: PPT, Smart TV.</li> <li>h) Various Pedagogical approaches, Drshya Siksha</li> </ul>						463 469
	Sangrah with proof:  i) Lecture based teaching-learning:  ii) Group-teaching and learning:  iii) Individual learning/self-study:  iv) Inquiry based learning:  v) Expeditionary learning:						469 469 469
	<ul> <li>v) Expeditionary learning:</li> <li>vi) Peer learning:</li> <li>vii) Experimental learning:</li> <li>viii) Learning through problem-solving:</li> <li>i) Adherence to Academic Calendar:</li> <li>j) Quality of Student Projects:</li> </ul>						49 49 49 49
	Laboratory						
4	(a) Number (b) Working			oment:			ay Good

	(c) Up gradation as per new te	chnological	409
	developments and requiren	nents of the course	<b>A0.</b>
	curriculum:		opersource
	(d) Availability of licensed so		
	Curriculum:	r	
	(e) Computational facilities av	vailable (No. of labs):	340
	(f) Number of PCs:	andore (140. or 1405).	Avanable
	(g) Software available:		ay Printers, 55 car
	(h) No of Printers/Scanners:	24 Printers, 55 ar	
	(i) Availability of updated Sto	ook registers	24
	(1) Availability of updated Ste	ock registers	`
	Report on Student Results:		
	a) Report on overall Results	(B.Tech)	
	Metric R	Result	
	Overall Pass Percentage		
	Distinctions		
	First Classes		
	<ul> <li>I Semester Pass</li> <li>II Semester Pass</li> <li>III Semester Pass</li> <li>IV Semester Pass</li> <li>V Semester Pass</li> </ul>	5 %: 5 %: 5 %:	64·07·1. 76·05·1.
	VI Semester Pass	s%:	78.21%
5	VII Semester Pass		_
	VIII Semester Pass	s %:	81.87%
	Number of Students disconting	1,143	
		ODG D	
	(c) Report on overall Results	s (PG Programs:	
	M. Tech/MBA):		
		Result	
	Overall Pass Percentage	100 %	
	Distinctions		
	First Classes		
	(d) Report on Semester wise M. Tech/MBA:		
	I Semester Pass %		la but
	• II Semester Pass%:		100%
	II DUITED TO I HOD / U.	1	
	<ul> <li>III Semester Pass %:</li> </ul>		—

Outcome Based Education (OBE):	
<ol> <li>Proof for CO attainments:</li> <li>PO/PSO attainments:</li> </ol>	yes
3. Action Taken Report(ATR) for non-attainment of CO's, PO, & PSO's:	Availabu
4. Course Description forms (Which includes Articulation matrix Direct & Indirect	Available
assessment tools	44
3. Rey competencies.	49
Faculty Development Programs:	
(a) FDPs amended by the faculty(Min 15 Days):  (i) National:  (ii) International:	ly
(b) Conferences attended by the faculty:	05
(ii) International:	07
(c) Workshops attended by the faculty:  (i) National:  (ii) International:	04
(d) Short Term Training Program (STTP) attended by the faculty:	19
(i) National: (ii) International:	07
(e) Facility of Academic Leaves with pay for faculty to higher studies or attend FDPs:	469
(f) Reimbursement of Registration Fee and TA/DA expenses along with Special Leave for participation in FDPs Conferences Workshops etc.:	4eg
	of CO's, PO, & PSO's:  4. Course Description forms (Which includes Articulation matrix Direct & Indirect assessment tools  5. Key competencies:  Faculty Development Programs:  (a) FDPs amended by the faculty(Min 15 Days):  (i) National:  (ii) International:  (b) Conferences attended by the faculty:  (i) National:  (ii) International:  (c) Workshops attended by the faculty:  (i) National:  (ii) International:  (d) Short Term Training Program (STTP) attended by the faculty:  (i) National:  (ii) International:  (d) Short Term Training Program (STTP) attended by the faculty:  (i) National:  (ii) International:  (f) Reconstruction of Academic Leaves with pay for faculty to higher studies or attend FDPs:  (f) Reimbursement of Registration Fee and TA/DA expenses along with Special Leave for participation in FDPs Conferences

	Resear	ch Publication	12 17 2	
	(b). No	(i). Natio (ii). Interr c. of publicatio (i). Nati (ii). Inter (iii). Boo	41 13 42 03 07	
8	Des (d). Re	(i) Publ (ii) Gran port on Ongo search Projec		12
	Title Name of PI Funding agency Amount Status		Status	
	(e). Re Name Facult		Amount	
9	(a). De	partment Lib (i) Number of (ii) Total volu (iii) Number of (iv) Departments	: 640 4198 06	
10	(i) M (ii) M (iii) M (iv) H (v) A (vi) M (vii) (	No. of companions of Placeme No. of Students Higher salary of Average salary Median salary of Campus platigher educations.		

. .

• , "

Report on Minutes of meetings and also on action taken/initiated respectively:

(a) Board of studies:

(b) Department Advisory Board:
(c) Programme Assessment Qualityimprovement Committee:
(d) Any Other Academic Committee:

(d) External Members

Report on Minutes of meetings and also on action taken/initiated respectively:

(a) Board of studies:

(b) Department Advisory Board:

(c) Programme Assessment and YCS

YCS

YCS

YCS

Signatures of the External Members

comment:-

1. Add NPTEL Links in course file.

2. Motivate students for Higher Education.



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### Minutes of the Meeting of BoS (B.Tech ) for CSE held on 30.07.2021

The meeting of all the members of Board of studies of CSE of MLRITM College, Dundigal is conducted on 30.07.2022 at 11:00 A.M in the Board room of this institute.

The following are the BoS members for the CSE Department.

S. No.	Name & Details of Members	Designation	Category
1	Dr. B. Ravi Prasad	Professor & Head  Dept. of CSE, MLRITM,  Dundigal	Chairman
2	Dr. M. Nagaratna	Professor, Dept. of CSE, JNTUH.	University Nominee
3	Dr. S. Viswanadha Raju	Professor Dept. of CSE, JNTUH CEJ, Jagtial	Subject Expert
4	Mr. CH. Yukthesh	Sr. Technical Officer IBM	Expert form Industry
5	Dr. M. Naga Lakshmi	Professor & Head Dept. of IT, MLRITM, Dundigal	Member
6	Prof. K. Abdul Basith	Professor Dept. of CSE, MLRITM, Dundigal	Member
7	Mr. K. Suresh	Technical Consultant IntegRythm, Hyderabad	Alumni

BoS Chairman for the CSE department has welcomed honorable members to the BoS meeting. The BoS meeting has commenced with the permission of the chairman.

- ➤ BoS Members have finalized MLRS-R20 regulations syllabus for B.Tech CSE IV Year subjects for the students who admitted in to college for the A.Y. 2020-21. Course structure is enclosed in Annexure-I.
- ➢ BoS Members have discussed R22 course structure for the students who admitted in the college for the A.Y.2022-23.

### > The following members have attended the BOS meeting.

S. No.	Name & Details of Members	Designation	Signature
1	Dr. B. Ravi Prasad	Chairman, Dept of CSE, MLRITM	B. Paul
2	Dr. M. Nagaratna	University Nominee, Professor, Dept. of CSE, JNTUH.	30/1/22
3	Dr. S. Viswanadha Raju	Member – Subject Expert Dept. of CSE, JNTUH CEJ, Jagtial	(20)
4	Mr. CH. Yukthesh	Member Expert from Industry	Luf
5	Dr. M. Naga Lakshmi	Member Dept. of IT, MLRITM	Nagalakshmi 30/7/2
6	Prof. K. Abdul Basith	Member Dept. of CSE, MLRITM	4 gant ).
7	Mr. K. Suresh	Alumni	Sunt

Date: 30.07.2022

Chairman, BoS



# MARRI LAXIVAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

#### (AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)
Accredited by NAAC with "A" Grade & Recognized Under Section 2(1) & 12(B) of the UGC act, 1956

# INTERNALQUALITYASSURANCECENTRE

#### ACADEMICANDADMINISTRATIVEAUDIT

#### Part-I:PRELIMINARYINFORMATION

A.4 9091-3098 (ODD)

Date: 18/07/2022

Name of the Department	:	Computer Science And Engineering
Address of the Institute	:	Durdigal
Date and time of visit	:	18/7/2022, AM
<b>External Members of the Audit Committee</b>	:	Dr. P. Sathish (HITAM)
÷	:	Dr. p. Shidnar (IAE)
	:	

## NAME OF THE DEPARTMENT:

CSE.

## PART-II: ACADEMIC INFORMATION

S.No		Particular	Remarks
	Curricular Aspects (a) Course Offered	7	
	Name of theCourse	Intake	
	B.Tech	193	
	M. Tech	06	
1	(b) Semester wise curr available	icular Plan: Available / Not	Available Covered
	(c) Coverage of Syllab	us:	Covered
	(d) Report (with evide in the revision of currie	ences) on latest changes brought culum and syllabus:	403

	Faculty Status:				¥
	Total Faculty: Available as per AIC	TE/JNTUH I	Regist	ration:	
	(a) Teacher: Student F		9.51		
11	(b) Faculty Information	n:		LL.	4
	Faculty	Male	Fem	ale	
	Professors	4 6	t	0	
	Associate professors	4		2	
	Assistant professors	24		14	
2	(c) Teaching Experien Attached:	150	ılty in	the institute:	
	Experience >10	5-10yrs 2-5		<2years	
	No. of ma	yea	1	116	
	Faculty 02	16 19	6	10	
	(d) Details of Support	ing Staff:			
	i) Lab Assistants:				-
	ii) Assistant programı				8
	Teaching – Learning				
	a) Availability of Cou				449
	b) Student Assignmen	its/Unit Test:			Conducted
	c) Tutorial classes:				C 1 - 1
	d) Remedial Classes:	· . /I I .			conducted Vicited
	e) Field/Industrial vis	•	:		conducted vicited
	f) Student Centric Ac				)
	• Quizzes / work				The second secon
	g) Use of supplementa Of ICT: PPT, Smar		ols an	d application	49
3	h) Various Pedagogic		, Drsh	ya Siksha	403
	Sangrah with proof		•		443
	i) Lecture based t	V	0.000		
	ii) Group-teaching	The second State			yes
	iii) Individual lear		<b>y</b> :		49
	iv) Inquiry based l				409
	v) Expeditionary	learning:			409
	vi) Peer learning:				40
	vii) Experimental le	_			
	viii) Learning throu	TO 100	olving:		46
	i) Adherence to Acade				46
	j) Quality of Student Pro	off			yes
	Laboratory Facilities	:			
4	(a) Number of Labora	itories:			24
	(b) Working condition		•		9000
	(b) Working condition	or equipment	•		9009

	(c) Up gradation as per new te	chnological	yes
	developments and requiren	nents of the course	
	curriculum:		opensource.
	(d) Availability of licensed so	ftware as per the course	
	Curriculum:	1	
	(e) Computational facilities av	ailable (No. of labs).	
	(f) Number of PCs:		840
	(g) Software available:	*	850 Available
	(h) No of Printers/Scanners:		21.41.4
	(i) Availability of updated Sto	ick registers	24 Pointers, 5 scanno
	Report on Student Results:	on registers	24
	a) Report on overall Results (	R Tach)	
	Overall Pass Percentage	esult	
	Distinctions		
	First Classes		
	Tast Classes		
	(b) Report on Semester wise	results (B.Tech)	· ·
	. I C		63.35%
	• I Semester Pass	18.5	_
	II Semester Pass	50500	***
	• III Semester Pass 9	2000	89.69%
	IV Semester Pass 9	27.	-
	• V Semester Pass 9		78.834.
5	• VI Semester Pass%		_
3	VII Semester Pass %		09 014
	VIII Semester Pass %	∕o:	82.964.
	Number of Students discontinue	ed from the program:	-
	(c) Report on overall Results (M. Tech/MBA):	PG Programs:	
		sult	
	Overall Pass Percentage	Suit	
	Distinctions		
	First Classes		
	(d) Report on Semester wise reM. Tech/MBA:	esults (PG Programs:	
	• I Semester Pass %		100%
	• II Semester Pass%:		_
	III Semester Pass%:     III Semester Pass %:		
		1 - >	
	<ul> <li>IV Semester Pass %:</li> </ul>		_

	Number of Students discontinued the program:	- 7-
	Outcome Based Education (OBE):	
6	<ol> <li>Proof for CO attainments:</li> <li>PO/PSO attainments:</li> <li>Action Taken Report(ATR) for non-attainment of CO's, PO, &amp; PSO's:</li> </ol>	4eg Available
	<ul> <li>4. Course Description forms (Which includes Articulation matrix Direct &amp; Indirect assessment tools</li> <li>5. Key competencies:</li> </ul>	Available yes
	Faculty Development Programs:	·
	(a) FDPs amended by the faculty(Min 15 Days):  (i) National:  (ii) International:	18
	(b) Conferences attended by the faculty:  (i) National:  (ii) International:	07 05
	(c) Workshops attended by the faculty:  (i) National:  (ii) International:	
7	(d) Short Term Training Program (STTP) attended by the faculty:  (i) National:  (ii) International:	12-05
	(e) Facility of Academic Leaves with pay for faculty to higher studies or attend FDPs:	449
	(f) Reimbursement of Registration Fee and TA/DA expenses along with Special Leave for participation in FDPs Conferences Workshops etc.:	463

Faculty Organization Project	
(ii). International:  (i). No. of publications in Conferences:  (i). National: (ii). International: (iii). Book Chapters:  (c). Report on Patents/ copyrights/Industrial Designs  (i) Published: (ii) Granted: (d). Report on Ongoing Research /Sponsored Research Project details:    Title	2-
(b). No. of publications in Conferences:  (i). National: (ii). International: (iii). Book Chapters:  (c). Report on Patents/ copyrights/Industrial Designs  (i) Published: (ii) Granted: (d). Report on Ongoing Research /Sponsored Research Project details:  Title Name of PI Funding agency Amount State CO-PI agency Amount State Co-P	35
(i). National: (ii). International: (iii). Book Chapters:  (c). Report on Patents/ copyrights/Industrial Designs  (i) Published: (ii) Granted: (d). Report on Ongoing Research /Sponsored Research Project details:  Title Name of PI Funding Amount State & CO-PI agency Amount State & C	08
(ii). International: (iii). Book Chapters:  (c). Report on Patents/ copyrights/Industrial Designs  (i) Published: (ii) Granted: (d). Report on Ongoing Research /Sponsored Research Project details:  Title Name of PI Funding agency Amount State & CO-PI age	93
(c). Report on Patents/ copyrights/Industrial Designs  (i) Published: (ii) Granted: (d). Report on Ongoing Research /Sponsored Research Project details:  Title Name of PI Funding agency Amount State CO-PI agency Amount State C	23
(c). Report on Patents/ copyrights/Industrial Designs  (i) Published: (ii) Granted: (d). Report on Ongoing Research /Sponsored Research Project details:  Title Name of PI Funding Amount State & CO-PI agency Amount State & CO-P	07
Designs	08
(i) Published: (ii) Granted: (d). Report on Ongoing Research /Sponsored Research Project details:  Title Name of PI Funding Amount State & CO-PI agency Amount State & CO-	
(ii) Granted: (d). Report on Ongoing Research /Sponsored Research Project details:  Title Name of PI Funding Amount State & CO-PI agency Amoun	10
(ii) Granted: (d). Report on Ongoing Research /Sponsored Research Project details:  Title Name of PI Funding agency Amount State & CO-PI agenc	
Research Project details:  Title Name of PI Funding agency Amount State  (e). Report on Consultancy details:  Name of Client Title of consultancy Project Organization Project Or	D
(e). Report on Consultancy details:    Name of Client Faculty Organization Project Organization Project Organization Project Organization Organization Project Organization Organization Organization Project Organization Organiz	
(e). Report on Consultancy details:    Name of   Client   Title of consultancy   Amore   Project   Project	us .
Name of Client Faculty Organization Project  Pro	us
Name of Client Faculty Organization Project Project Organization Project Organization Project Organization Project Organization Project Organization Organization Project Organization Orga	
Library, other facilities:  (a). Department Library:  (i) Number of Titles:  (ii) Total volumes of Books:  (iii) Number of Journals:  (iv) Department Magazines:  (b). Any other please specify:  Placement Activities:  (i) No. of companies Visited:  (ii) No. of Placements offered:  (iii) No. of Students placed:  (iv) Higher salary offered:  (v) Average salary offered:  (vi) Median salary offered:	ount
(a). Department Library:  (i) Number of Titles:  (ii) Total volumes of Books:  (iii) Number of Journals:  (iv) Department Magazines:  (b). Any other please specify:  Placement Activities:  (i) No. of companies Visited:  (ii) No. of Placements offered:  (iii) No. of Students placed:  (iv) Higher salary offered:  (v) Average salary offered:  (vi) Median salary offered:	67,895
(i) Number of Titles: (ii) Total volumes of Books: (iii) Number of Journals: (iv) Department Magazines: (b). Any other please specify:  Placement Activities:  (i) No. of companies Visited: (ii) No. of Placements offered: (iii) No. of Students placed: (iv) Higher salary offered: (v) Average salary offered: (vi) Median salary offered:	:
9 (ii) Total volumes of Books: (iii) Number of Journals: (iv) Department Magazines: (b). Any other please specify:  Placement Activities:  (i) No. of companies Visited: (ii) No. of Placements offered: (iii) No. of Students placed: (iv) Higher salary offered: (v) Average salary offered: (vi) Median salary offered:	640
(iii) Number of Journals: (iv) Department Magazines: (b). Any other please specify:  Placement Activities:  (i) No. of companies Visited: (ii) No. of Placements offered: (iii) No. of Students placed: (iii) No. of Students placed: (iv) Higher salary offered: (v) Average salary offered: (vi) Median salary offered:	
(iv) Department Magazines: (b). Any other please specify:  Placement Activities:  (i) No. of companies Visited: (ii) No. of Placements offered: (iii) No. of Students placed: (iv) Higher salary offered: (v) Average salary offered: (vi) Median salary offered:	4198
(b). Any other please specify:  Placement Activities:  (i) No. of companies Visited: (ii) No. of Placements offered: (iii) No. of Students placed: (iv) Higher salary offered: (v) Average salary offered: (vi) Median salary offered:	06
Placement Activities:  (i) No. of companies Visited: (ii) No. of Placements offered: (iii) No. of Students placed: (iv) Higher salary offered: (v) Average salary offered: (vi) Median salary offered:	
(i) No. of companies Visited: (ii) No. of Placements offered: (iii) No. of Students placed: (iv) Higher salary offered: (v) Average salary offered: (vi) Median salary offered:	
(ii) No. of Placements offered: (iii) No. of Students placed: (iv) Higher salary offered: (v) Average salary offered: (vi) Median salary offered:	
(ii) No. of Placements offered: (iii) No. of Students placed: (iv) Higher salary offered: (v) Average salary offered: (vi) Median salary offered:	27
(iii) No. of Students placed: (iv) Higher salary offered: (v) Average salary offered: (vi) Median salary offered:	
(iv) Higher salary offered: (v) Average salary offered: (vi) Median salary offered:	149
(v) Average salary offered: (vi) Median salary offered:	18.6 L. P.A
(vi) Median salary offered:	N. 70 1
	3, 8 16
(VII) OII campus placements.	
(viii) Higher education:	06

11	Report on Minutes of meetings and also on action taken/initiated respectively:  (a) Board of studies: (b) Department Advisory Board: (c) Programme Assessment Qualityimprovement Committee: (d) Any Other Academic Committee:	and	4 eg 4 eg 4 eg
	Signatures of the External Members		Sathal

comments:

1. conduct more workshops for students.



# MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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# INTERNAL QUALITYASSURANCE CENTRE

### ACADEMIC AND ADMINISTRATIVE AUDIT

#### Part-I: PRELIMINARY INFORMATION

A.y:-2021-22 (Odd)

Date: 13/07/2022

	Electronics (Communication Ensineering MCRITM, Dundigal, Hyderald
:	
:	pr.p. satish (+11+Am)
:	Dr. P. Sindhal (IARE)
:	
:	

NAME OF THE DEPARTMENT: Electronics & Communication Engineering

### PART-II: ACADEMIC INFORMATION

	Curricular Aspects			
	(a) Course Offered		*	
1	Name of the Course	Intake		
	B.Tech	180		
	M. Tech	1-8		

	(c) Coverage of Syllabu	S:			yes
	(d) Report (with evidencurriculum and syllabus				yes
	Faculty Status:				S.
	Total Faculty:				
	Available as per AICT	E/JNTUH 1	Registration:		
	(a) Teacher: Student Ra	tio:			13.5
	(b) Faculty Information:	; ;		*	46
	Faculty	Male	Female	7	
	Professors	02		1	
	Associate professors	06			
2	Assistant professors	19	19		
	(c) Teaching Experience Attached:		lty in the institute:	:	
	No. of OC	1-10yrs 2-5 yea	nrs		
	years	yea	nrs		03
	No. of Faculty OS (d) Details of Supporting	yea	nrs		03
	No. of Supporting  (d) Details of Supporting  i) Lab Assistants:	yea	nrs		-
3	years No. of O5 Faculty  (d) Details of Supporting i) Lab Assistants: ii) Assistant programme	yea	nrs		- yes
3	years No. of Faculty  (d) Details of Supporting i) Lab Assistants: ii) Assistant programme Teaching – Learning:	yea	1 09		_

	d) Remedial Classes:	yes
	e) Field/Industrial visits:	Yes
	f) Student Centric Activities:	yes
	<ul> <li>Quizzes / workshops / competitions conducted:</li> <li>g) Use of supplementary teaching tools and application</li> </ul>	
	Of ICT: PPT, Smart TV:	Yes
	h) Various Pedagogical approaches, Drshya Siksha	
	Sangrah with proof:	YouTube Links
	i) Lecture based teaching-learning:	yes
	ii) Group-teaching and learning:	yes
	iii) Individual learning/self-study:	Yes
	iv) Inquiry based learning:	yes
	v) Kinesthetic learning:	yes
	vi) Game Based learning:	yes
	vii) Expeditionary learning:	yes
	viii) Peer learning:	yes
	ix) Experimental learning	yes
	x) Learning through problem-solving:	yes
	Laboratory Facilities:	
	(a) Number of Laboratories:	06
	(b) Working condition of equipment:	06 Yes
4	(c) Up gradation as per new technological	
	developments and requirements of the course	
	curriculum:	yes
	(d )Availability of licensed software as per the course	
	Curriculum:	yes
	Curriculum.	

	Computational facilities availab	ble (No. of labs):	04
(f)	Number of PCs:	a tight and the second	102
(g)	Software available:		05
(h)	No of Printers/Scanners:		04
(i)	Availability of updated Stock re	gisters:	yes
Mark Si			
Re	port on Student Results:		
a)	Report on overall Results (B.T	'ech)	
3	Metric	Result	
13 6	Overall Pass Percentage	58.42-1.	
5	Distinctions	43.02%	
	First Classes	43.021.	
	That Classes	29.06.1.	
- 1			
(1)	Poport on Compatencia	-les (D. Tasala)	
(b)	Report on Semester wise resu		
(b)	• I Semester Pass %:	ults (B.Tech)	55.44,
(b)	<ul><li> I Semester Pass %:</li><li> II Semester Pass %:</li></ul>		55.44
(b)	<ul><li> I Semester Pass %:</li><li> II Semester Pass %:</li><li> III Semester Pass %:</li></ul>		55.44;
(b)	<ul><li> I Semester Pass %:</li><li> II Semester Pass %:</li></ul>		55.44°, 64.28°,
(b)	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> </ul>		55.44° 64.28°) 54.10°/
(b)	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> </ul>		55.44.5 64.28.7 54.10.7 59.89.
(b)	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> </ul>		55.44. 64.28.) 54.10.) 59.89.)
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> </ul>		55.44; 64.28; 54.10; 59.89;
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		55.44; 64.28; 54.10; 59.89;
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		55.44; 64.28; 54.10; 59.89°
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		55.44; 64.28; 54.10; 59.89;
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		55.44; 64.28; 54.10; 59.89;
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		55.44° 64.28°) 54.10°/ 59.89°)
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>	rom the program:	55.44; 64.28; 54.10; 59.89;

M	. Tech/MBA):		-
	Metric	Result	
	Overall Pass Percentage	(00-).	
	Distinctions	100%	
	First Classes	-	
(4	) <b>P</b>	L OCH	
(0	) Report on Semester wise resu	Its (PG Programs: M.T	ech/MBA:
	• I Semester Pass %		(00
	II Semester Pass%:  H. S. A.		100
	<ul><li> III Semester Pass %:</li><li> IV Semester Pass %:</li></ul>		_
Nu		e program:	
Nu	umber of Students discontinued th		
		м.	
	umber of Students discontinued th	м.	
Ou	umber of Students discontinued th	м.	ye
Ou 1. ]	umber of Students discontinued the attorned Based Education (OBE)	м.	ye ye
1. ] 2. ]	atcome Based Education (OBE) Proof for CO attainments:	•	20
1. ] 2. ] 3. 4	atcome Based Education (OBE)  Proof for CO attainments:	•	40
1. 1 2. 1 3. 4	Proof for CO attainments: PO/PSO attainments: Action Taken Report (ATR) for n	on-attainment	40
1. 1 2. 1 3. 4 of 6 4. 6	Proof for CO attainments: PO/PSO attainments: Action Taken Report (ATR) for n	on-attainment includes	40
1. 1 2. 1 3. 4 of 6 4. 6	Proof for CO attainments: PO/PSO attainments: Action Taken Report (ATR) for n CO's, PO, & Description forms (Which	on-attainment includes direct	40

	Faculty Development Programs:	
	(a) FDPs amended by the faculty(Min 15 Days):  (i) National:  (ii) International:	09
	(b)Conferences attended by the faculty:	
	(i) National:	
	(ii) International:	
	(c)Workshops attended by the faculty:	
	(i) National:	
7	(ii) International:	
	(d) Short Term Training Program (STTP) attended	
	by the faculty:	
	(i) National:	-
	(ii) International:	
	(e) Facility of Academic Leaves with pay for faculty	
	to higher studies or attend FDPs:	yes
	(f) Reimbursement of Registration	
	Fee and TA/DA expenses along with Special	
	Leavefor participation in FDPs Conferences	
	Workshops etc.:	Yer

Research Pub	lications:			
Acceptance i ub	ications.			
(a). No. of pub	lications in Journa	ls:		
(i).	National:			
(ii)	. International:			
(b) No of pub	olications in Confer	on cos•		
	. National:	ences.		
	. International:			
(iii)	). Book Chapters:			
(c).Report on	Patents/ copyrights/	/Industrial		
Designs				
(i)	Published:			
(ii	) Granted:			
(d). Report on	Ongoing Research	/Sponsore	<b>d</b>	
Research Proj		•		
	· ·			
		, , , , , , , , , , , , , , , , , , , ,		
Title	Name of PI & CO-PI	Funding agency	Amount	Status
Sand seed of			-	
Development of	the state of the s		APROX MACONICO	10.0
network with	Dr. N. Soinird	SERB	15,78,500	ongoing
network with radio cognitive functionalities	Dr. N. Spinird	SERB GOVE OF	15,78,500	ongoing
wireless Eurosov network with radio Cognitive functionalities	Dr. N. Spinird	Govt a	2,98,67,113	ongoing

		Project		
DY G. Amornath	Vermasa India prt. Ltd	Development of I of based data logger for Comprehensive temporative monitoring	1,30,000	
Library, other fa	acilities:			:
· · · · · · · · · · · · · · · · · · ·	•			
		:		132
(iii) Number of Journals:				
(iv) Depar	rtment Magazines:	ws.		01
(b). Any other p	lease specify:			
Placement Activ	ittaa.			
				12
				52
(iv) Higher sala	ry offered:	44.		6,50,00
(v) Average sa	lary offered:			3,00,0
(vi) Median sala	ary offered:			3,60,00
(vii) Off campus	s placements:		2	_
	(a). Department  (i) Number  (ii) Total  (iii) Number  (iv) Department  (b). Any other placement Activ  (i) No. of compartion (ii) No. of Placement  (iii) No. of Studit  (iv) Higher salat  (v) Average salat  (vi) Median salat  (vii) Off campus	(iii) Number of Journals: (iv) Department Magazines: (b). Any other please specify:  Placement Activities: (i) No. of companies Visited: (ii) No. of Placements offered: (iii) No. of Students placed: (iv) Higher salary offered: (v) Average salary offered:	(a). Department Library:  (i) Number of Titles:  (ii) Total volumes of Books:  (iii) Number of Journals:  (iv) Department Magazines:  (b). Any other please specify:  Placement Activities:  (i) No. of companies Visited:  (ii) No. of Placements offered:  (iii) No. of Students placed:  (iv) Higher salary offered:  (v) Average salary offered:  (vi) Median salary offered:  (vii) Off campus placements:	(a). Department Library:  (i) Number of Titles:  (ii) Total volumes of Books:  (iii) Number of Journals:  (iv) Department Magazines:  (b). Any other please specify:  Placement Activities:  (i) No. of companies Visited:  (ii) No. of Placements offered:  (iii) No. of Students placed:  (iv) Higher salary offered:  (v) Average salary offered:  (vi) Median salary offered:  (vii) Off campus placements:

	Report on Minutes of meetings and also on action taken/initiated respectively:	
11	<ul> <li>(a) Board of studies:</li> <li>(b) Department Advisory Board:</li> <li>(c) Programme Assessment and Quality improvement Committee:</li> <li>(d) Any Other Academic Committee:</li> </ul>	
12	1) It is observed that most of the facility Course files well, but few are missing in Comments/Suggestions other Course files. 2) follower action taken on student fledby are documented well.	ч.
13	Signatures of the External Members	am dhou



# MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT.

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)
Accredited by NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

# INTERNAL QUALITYASSURANCE CENTRE

#### ACADEMIC AND ADMINISTRATIVE AUDIT

### Part-I: PRELIMINARY INFORMATION

Ay: 2011-12 (Even)

Date: 10-01-2023

Name of the Department	:	Electronics & Communication Engineering
Address of the Institute	:	MLRITM, Durdigal, Ayolerabad
Date and time of visit	:	0 / 1
External Members of the Audit Committee	:	Dr. P. Satish (HITAM)
	:	Dr. P. Sridhar (IARE)
	:	

NAME OF THE DEPARTMENT: Electronics & Communication Engineering

#### PART-II: ACADEMIC INFORMATION

	Particular	Remarks
Curricular Aspects	S	
(a) Course Offered		
Name of the Course	Intake	
B.Tech	180	
M. Tech	+8	
available		Available
	(a) Course Offered  Name of the Course B.Tech M. Tech (b) Semester wise containing the course of the	Curricular Aspects  (a) Course Offered  Name of the Course B.Tech M. Tech V80

(c) Coverage of Syllabu	ıs:		yes
(d) Report (with eviden curriculum and syllabus		changes brought in the revision of tion to R22 Regulation	yes
Faculty Status:		84.	S. 19 75
Total Faculty:			
Available as per AICT	E/JNTUH R	egistration:	
(a) Teacher: Student Ra	tio:		13.57
(b) Faculty Information:	:		13.57
Faculty	Male	Female	
Professors	02		
Associate professors	06		
Assistant professors	19	(9	
		100 mm and	
(c) Teaching Experience Attached:  Experience >10 years No. of Faculty	i-10yrs 2-5 year	<2years	
Attached:  Experience >10 5 years  No. of p	15 13	<2years	
Attached:  Experience >10 5 years  No. of Faculty	15 13	<2years	OL
Attached:    Experience   >10   5	5-10yrs 2-5 year 15 13 g Staff:	<2years	04
Attached:    Experience   >10   5	5-10yrs 2-5 year 15 13 g Staff:	s <2years	04
Attached:    Experience   >10   5	s-10yrs 2-5 year 15 13 g Staff:	s <2years	-
Attached:    Experience   >10   5   years       No. of Faculty   0       (d) Details of Supporting   i) Lab Assistants:   ii) Assistant programmed   Teaching - Learning:	i-10yrs 2-5 year  15 17  g Staff: ers:	s <2years	04 - Yes yes

	d) Remedial Classes:	Yes
	e) Field/Industrial visits:	yes
	f) Student Centric Activities:	res
	<ul> <li>Quizzes / workshops / competitions conducted:</li> <li>g) Use of supplementary teaching tools and application</li> </ul>	
	Of ICT: PPT, Smart TV:	yes
	h) Various Pedagogical approaches, Drshya Siksha	100000
	Sangrah with proof:	yourn'se link
	i) Lecture based teaching-learning:	yes
	ii) Group-teaching and learning:	yes
	iii) Individual learning/self-study:	yes
	iv) Inquiry based learning:	Yes
	v) Kinesthetic learning:	Yes
	vi) Game Based learning:	Yes
	vii) Expeditionary learning:	yes
	viii) Peer learning:	yes
	ix) Experimental learning	yes
	x) Learning through problem-solving:	Yes
	Laboratory Facilities:	
	(a) Number of Laboratories:	06
	(b) Working condition of equipment:	yes
4	(c) Up gradation as per new technological	
	developments and requirements of the course	
	curriculum:	Yes
	(d )Availability of licensed software as per the course	
	Curriculum:	Yes
	4.	

	(e) Computational facilities availab	ole (No. of labs):	04
	(f) Number of PCs:		102
	(g) Software available:		05
	(h) No of Printers/Scanners:		
		- inches	04
	(i) Availability of updated Stock re-	gisters :	yes
	Report on Student Results:		
	Report on Student Results.		
	M. T.	. 4	
	a) Report on overall Results (B.T.	ech)	
	Metric	Result	
5	Overall Pass Percentage	66.72-1.	
	Distinctions	47.787.	
	First Classes	26.30.1.	
	24		
		64.	
	(b) Report on Semester wise resu	lts (B.Tech)	
		lts (B.Tech)	
	• I Semester Pass %:	lts (B.Tech)	77.0
	• I Semester Pass %:	lts (B.Tech)	77.03,
	<ul><li> I Semester Pass %:</li><li> II Semester Pass %:</li></ul>	lts (B.Tech)	77.08
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> </ul>	llts (B.Tech)	
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> </ul>	llts (B.Tech)	
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> </ul>	ilts (B.Tech)	
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		66.15.
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> </ul>		66.15
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		66.15
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		66.150
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		66.15
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		66.15
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		66.15
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		77.08. 65.30% 66.15%
	<ul> <li>I Semester Pass %:</li> <li>II Semester Pass %:</li> <li>III Semester Pass %:</li> <li>IV Semester Pass %:</li> <li>V Semester Pass %:</li> <li>VI Semester Pass %:</li> <li>VII Semester Pass %:</li> <li>VIII Semester Pass %:</li> </ul>		66.150

171. 1	ech/MBA):		
			0.0
	Metric	Result	
	Overall Pass Percentage	100.	s 11 =
1	Distinctions	160 %	
	First Classes		
(d) F	Report on Semester wise resu	lts (PG Programs: M.Tech/M	IBA:
	I Semester Pass %		-
	II Semester Pass%:		1004
	III Semester Pass %:		_
	IV Semester Pass %:	*4.	100'
		7. mg-m 48	
Numb	per of Students discontinued th	e program:	
	oer of Students discontinued the		
Outco			Yes
Outco	ome Based Education (OBE)		
1. Pro	ome Based Education (OBE) of for CO attainments:	:	Ye
1. Pro 2. PO. 3. Act	ome Based Education (OBE) of for CO attainments: /PSO attainments:	:	yes yes
1. Pro 2. PO 3. Act of CO	ome Based Education (OBE) of for CO attainments: /PSO attainments: tion Taken Report (ATR) for n	on-attainment	Ye
1. Pro 2. PO 3. Act of CO 4. Cor	ome Based Education (OBE)  of for CO attainments:  /PSO attainments:  tion Taken Report (ATR) for not on the content of the co	on-attainment includes	Ye
1. Pro 2. PO 3. Act of CO 4. Cor Articu	ome Based Education (OBE) of for CO attainments: /PSO attainments: tion Taken Report (ATR) for notes, PO, & Description forms (Which	on-attainment includes	Ye_

	4.	
	Faculty Development Programs:	
	(a) FDPs amended by the faculty(Min 15 Days):  (i) National:	14
	(ii) International:	
	(b)Conferences attended by the faculty:	
	(i) National:	
*	(ii) International:	
	(c)Workshops attended by the faculty:	
	(i) National:	
	(ii) International:	
7		
	(d) Short Term Training Program (STTP) attended	16
	by the faculty:	
	(i) National:	, and a second
	(ii) International:	
	(e) Facility of Academic Leaves with pay for faculty	
36 :	to higher studies or attend FDPs:	yes
	(f) Reimbursement of Registration	
	Fee and TA/DA expenses along with Special	
	Leavefor participation in FDPs Conferences	yes
	Workshops etc.:	/5

**Research Publications:** (a). No. of publications in Journals: 05 (i). National: (ii). International: (b). No. of publications in Conferences: 09 (i). National: (ii). International: (iii). Book Chapters: (c). Report on Patents/ copyrights/Industrial **Designs** (i) Published: 8 (ii) Granted: (d). Report on Ongoing Research /Sponsored Research Project details: Name of PI & **Funding** Title Amount Status CO-PI agency Development of a Wireless Sensor ongoing DV. N. Spiniras SERB 15,78,500 network with cognitive radio Agri Innovation Grove at hub for development 2,98,67,113 ongoing India A scheduled Thise Dr. G. Arnarnath (ST) Community

	Name of Faculty	Client Organization	Title of consultancy Project	Amount	
	Dr. G. Amanath	Vermasci India put. Ltd	Development of IoT based data logger for Comprehensine temporature monitoring	1,20,000	
	Library, other fa	icilities:			:
	(a). Department	Library:			
	(i) Numbe	r of Titles:	ř		-
9	(ii) Total	volumes of Books	s:		132_
	(iii) Number of Journals:				
	(iv) Depar	tment Magazines	:		01
	(b). Any other pl	ease specify:			
	Placement Activities:				
	(i) No. of companies Visited: (ii) No. of Placements offered:				
					100
10	<ul><li>(iii) No. of Students placed:</li><li>(iv) Higher salary offered:</li></ul>				
					3,00,000
	(v) Average sal				3,60,000
	(vii) Median sala				31001000
	(vii) Off campus	pracements:			04

	Report on Minutes of meetings and also on action taken/initiated respectively:	
1	(a) Board of studies:	
	(b) Department Advisory Board:	,
	(c) Programme Assessment and Quality improvement Committee:	
	(d) Any Other Academic Committee:	
	The audit committee stressed	*
12	Comments/Suggestions the importance of continous	
	Comments/Suggestions the importance of continous faculty development programs, especially on new and emerging areas like AI, MLJIOT Signatures of the External Members	
	on new and emerging areas like AI, MLSTOT	
	Signatures of the External Members	0 "
13		Simply
		. 11 1
		at his