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

EMPOWERING THROUGH INNOVATION
MLRS

INTERNAL QUALITYASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I: PRELIMINARY INFORMATION

A.Y (2023-2024)

Date: 17/10/2024

Name of the Department	:	Electronics & Communication Engineering
Address of the Institute	:	MLRITM, Dundigal, Hyderabad.
Date and time of visit	:	17/10/2024, 10AM
External Members of the Audit Committee	:	Dr. G. kiran kumar (CBIT)
	:	Dr. G. Ranjith kumar (JARE)
	:	

NAME OF THE DEPARTMENT: Electronics & Communication Engineering

PART-II: ACADEMIC INFORMATION

S.No	Particular	Remarks
1	**Curricular Aspects** (a) Course Offered <table><tr><td>Name of the Course</td><td>Intake</td></tr><tr><td>B.Tech</td><td>180</td></tr><tr><td>M. Tech</td><td>12</td></tr></table> (b) Semester wise curricular Plan: Available / Not available	Available

	(c) Coverage of Syllabus:		yes
	(d) Report (with evidences) on latest changes brought in the revision of curriculum and syllabus: R20 Regulation to R22 Regulation		yes
2	**Faculty Status:** **Total Faculty:** **Available as per AICTE/JNTUH Registration:** (a) Teacher: Student Ratio: (b) Faculty Information:		37 16.70

Faculty	Male	Female
Professors	03	
Associate professors	03	
Assistant professors	15	16

(c) Teaching Experience of the Faculty in the institute:

Attached:

Experience	>10 years	5-10yrs	2-5 years	<2years
No. of Faculty	03	07	05	22

(d) Details of Supporting Staff:

i) Lab Assistants: 07

ii) Assistant programmers: —

3	**Teaching – Learning:**	
	a) Availability of Course Files:	yes
	b) Student Assignments:	yes
	c) Tutorial classes:	yes

	d) Remedial Classes:	yes
	e) Field/Industrial visits:	yes
	f) Student Centric Activities:	yes
	• Quizzes / workshops / competitions conducted: g) Use of supplementary teaching tools and application	
	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
4	**Laboratory Facilities:**	
	(a) Number of Laboratories:	04
	(b) Working condition of equipment:	yes
	(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

(e) Computational facilities available (No. of labs):	04
(f) Number of PCs:	102
(g) Software available:	05
(h) No of Printers/Scanners:	04
(i) Availability of updated Stock registers :	yes

Report on Student Results:

a) Report on overall Results (B.Tech)

Metric	Result
Overall Pass Percentage	70.15
Distinctions	18.8%. ~~54.97%.~~
First Classes	54.97%. ~~88.80%.~~

(b) Report on Semester wise results (B.Tech)

- I   Semester Pass %:   —
- II   Semester Pass %:   66.10%.
- III   Semester Pass %:   —
- IV   Semester Pass %:   65.3%.
- V   Semester Pass %:   —
- VI   Semester Pass%:   83.42%.
- VII   Semester Pass %:   —
- VIII Semester Pass %:   65.77%.

Number of Students discontinued from the program:

(c) Report on overall Results (PG Programs:

M. Tech/MBA):

Metric	Result
Overall Pass Percentage	100 %
Distinctions	
First Classes	

(d) Report on Semester wise results (PG Programs: M.Tech/MBA:

- I Semester Pass %
- II Semester Pass%:
- III Semester Pass %:
- IV Semester Pass %:

100 %

100 %.

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

4. Course Description forms (Which includes

Articulation matrix Direct & Indirect

assessment tools yes

5. Key competencies: yes

Faculty Development Programs:	

(a) FDPs amended by the faculty(Min 15 Days):
     (i) National:
     (ii) International:
	36

(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:**	yes
(f) Reimbursement of Registration **Fee and TA/DA expenses along with Special** **Leavefor participation in FDPs Conferences** **Workshops etc.:**	yes

7

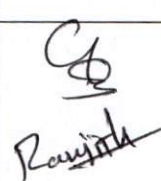|		
	Research Publications:	
	(a). No. of publications in Journals:	11
	(i). National:	
	(ii). International:	
	(b). No. of publications in Conferences:	03
	(i). National:	
	(ii). International:	
	(iii). Book Chapters:	
8	**(c).Report on Patents/ copyrights/Industrial Designs**	10
	(i) Published:	
	(ii) Granted:	

(d). Report on Ongoing Research /Sponsored Research Project details:

Title	Name of PI & CO-PI	Funding agency	Amount	Status
Development of a wireless sensor network with Cognitive radio functionalities	Dr. N. Srinivas	SERB	15,78,500	Ongoing
Agri Innovation hub for development of scheduled Tribe (ST) Community	Dr. G. Amarnath	Govt. of India	2,93,67,113	Ongoing

(e). Report on Consultancy details:

Name of Faculty	Client Organization	Title of consultancy Project	Amount
Dr. h.Amarnath	Vermasa India pvt.Ctd	Development A IoT based data logger for Comprehensive temparature monitoring	1,80,000
Dr.N. Srinivas	Vermasa IT and education	Development and Installation of motor operated Shrimp feeding System.	2,20,000

9	**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:**	: — 132 01
10	**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: (viii) Higher education:	 12 69 69 7,00,000 2,80,000 3,80,000 — 08

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:	
12	**Comments / Suggestions,** Encouraging students to use ICT Tools and project based learning & improve the digital platforms, improve the quality of course file	
13	Signatures of the External Members	*Ranjith*

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ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I: PRELIMINARY INFORMATION

A.Y.(2023-2024)

Date: 9/5/2024

Name of the Department	:	Electronics & Communication Engineering
Address of the Institute	:	MLRITM, Dundigal, Hyderabad
Date and time of visit	:	09/05/2024
External Members of the Audit Committee	:	Dr. G. kiran kumar (CBIT)
	:	Dr. G. Ranjith kumar (JARE)
	:	

NAME OF THE DEPARTMENT: Electronics & Communication Engineering

PART-II: ACADEMIC INFORMATION

S.No	Particular	Remarks
1	**Curricular Aspects** (a) Course Offered <table><tr><td>Name of the Course</td><td>Intake</td></tr><tr><td>B.Tech</td><td>180</td></tr><tr><td>M. Tech</td><td>12</td></tr></table> (b) Semester wise curricular Plan: Available / Not available	Available

	(c) Coverage of Syllabus:	yes
	(d) Report (with evidences) on latest changes brought in the revision of curriculum and syllabus: R20 Regulation to R22 Regulation	Yes
2	**Faculty Status:** **Total Faculty:** **Available as per AICTE/JNTUH Registration:** (a) Teacher: Student Ratio: (b) Faculty Information:	37 1670 37

(b) Faculty Information:

Faculty	Male	Female
Professors	03	
Associate professors	03	
Assistant professors	15	16

(c) Teaching Experience of the Faculty in the institute:

   Attached:

Experience	>10 years	5-10yrs	2-5 years	<2years
No. of Faculty	03	07	05	22

(d) Details of Supporting Staff:

i) Lab Assistants: 07

ii) Assistant programmers: —

3	**Teaching – Learning:** a) Availability of Course Files: b) Student Assignments: c) Tutorial classes:	 yes yes yes

	d) Remedial Classes:	yes
	e) Field/Industrial visits:	yes
	f) Student Centric Activities:	yes
	• Quizzes / workshops / competitions conducted: g) Use of supplementary teaching tools and application	
	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
4	**Laboratory Facilities:**	
	(a) Number of Laboratories:	06
	(b) Working condition of equipment:	yes
	(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

(e) Computational facilities available (No. of labs):		04
(f) Number of PCs:		102
(g) Software available:		05
(h) No of Printers/Scanners:		04
(i) Availability of updated Stock registers :		Yes

5

Report on Student Results:

a) Report on overall Results (B.Tech)

Metric	Result
Overall Pass Percentage	69.93%
Distinctions	28.10
First Classes	31.28%

(b) Report on Semester wise results (B.Tech)

- I   Semester Pass %:   65%
- II   Semester Pass %:
- III Semester Pass %:   64.29%
- IV   Semester Pass %:
- V   Semester Pass %:   83.42%
- VI   Semester Pass%:
- VII Semester Pass %:   67.02%
- VIII Semester Pass %:

Number of Students discontinued from the program:

(c) Report on overall Results (PG Programs:

M. Tech/MBA):

Metric	Result
Overall Pass Percentage	100 %.
Distinctions	
First Classes	

(d) Report on Semester wise results (PG Programs: M.Tech/MBA:

- I Semester Pass %   100%.
- II Semester Pass%:
- III Semester Pass %:   100/.
- IV Semester Pass %:

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
4. Course Description forms (Which includes Articulation matrix Direct & Indirect assessment tools	yes
5. Key competencies:	yes

7	**Faculty Development Programs:**	
	(a) FDPs amended by the faculty(Min 15 Days):	13
	(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:	yes
	(f) Reimbursement of Registration Fee and TA/DA expenses along with Special Leavefor participation in FDPs Conferences Workshops etc.:	yes

	Research Publications:	
	(a). No. of publications in Journals:	11
	(i). National:	
	(ii). International:	
	(b). No. of publications in Conferences:	03
	(i). National:	
	(ii). International:	
	(iii). Book Chapters:	
8	**(c).Report on Patents/ copyrights/Industrial Designs**	10
	(i) Published:	
	(ii) Granted:	
	(d). Report on Ongoing Research /Sponsored Research Project details:	

Title	Name of PI & CO-PI	Funding agency	Amount	Status
Development A a wireless sensor network with cognitive radio functionalities	Dr. N. Srinivas	SERB	1578,500	ongoing
Agri Innovation hub development of Scheduled Tribe (ST) Community	Dr. G. Amarnath	Gort. of India	2,98,67,113	ongoing

(e). Report on Consultancy details:

Name of Faculty	Client Organization	Title of consultancy Project	Amount
Dr. G. Amarnath	Vermasa India prt. Ltd	Development of IoT based data logger for Comprehensive temparature monitoring	1,80,000
Dr. N. Srinivas	Development of Installation of motor Vermasa IT and Edulation	Development and Installation of motor operated shirmp feeding System	2,20,000

9	**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:**		: — 132 — 01
10	**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: (viii) Higher education:		10 74 74 7,00,000 3,00,000 3,80,000 — 08

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:	
12	**Comments / Suggestions** Focus on Tutorials, peer learning groups and problem solving workshops - Encouraging faculty to participate in specific FDPs and research workshops.	
13	Signatures of the External Members	*Ranjith*

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ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I:PRELIMINARY INFORMATION

A.Y: 2023-24   Date: 17/10/2024

Name of the Department	:	Computer Science and Engineering
Address of the Institute	:	Dundigal
Date and time of visit	:	17/10/2024 10AM
External Members of the Audit Committee	:	Dr. G. Kiran Kumar, CBIT
	:	Dr. G. Ranjith Kumar, IARE
	:	

NAME OF THE DEPARTMENT: CSE

PART-II: ACADEMIC INFORMATION

S.No	Particular	Remarks
1	**Curricular Aspects** (a) Course Offered | Name of theCourse	Intake
B.Tech	270
M. Tech	06 | (b) Semester wise curricular Plan: Available / Not available (c) Coverage of Syllabus: (d) Report (with evidences) on latest changes brought in the revision of curriculum and syllabus:	 Available Covered Yes

2	**Faculty Status:** **Total Faculty:** **Available as per AICTE/JNTUH Registration:** (a) Teacher: Student Ratio: (b) Faculty Information: | Faculty	Male	Female | |---|---|---| | Professors | 05 | 01 | | Associate professors | 04 | 01 | | Assistant professors | 28 | 15 | (c) Teaching Experience of the Faculty in the institute: Attached: | Experience | >10 years | 5-10yrs | 2-5 years | <2years | |---|---|---|---|---| | No. of Faculty | 13 | 8 | 33 | 0 | (d) Details of Supporting Staff: i) Lab Assistants: ii) Assistant programmers:	— 13

3	**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:
	   • Quizzes / workshops / competitions conducted:
	g) Use of supplementary teaching tools and application Of ICT: PPT, Smart TV.
	h) Various Pedagogical approaches, Drshya Siksha 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:
	  vi) Peer learning:
	  vii) Experimental learning:
	  viii) Learning through problem-solving:
	i) Adherence to Academic Calendar:
	j) Quality of Student Projects:
		yes
		Conducted
		Conducted
		Conducted / visited
		
		yes
		
		yes
		yes
		yes
		yes
		yes
		yes
		yes
		yes
		yes
		yes
		yes

4	**Laboratory Facilities:** (a) Number of Laboratories: (b) Working condition of equipment:	24 Good.

	(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:	Opensource .
	(e) Computational facilities available (No. of labs):	24
	(f) Number of PCs:	850
	(g) Software available:	Available
	(h) No of Printers/Scanners:	24, 5 Scanners
	(i) Availability of updated Stock registers	24

5	**Report on Student Results:** **a) Report on overall Results (B.Tech)**	

Metric	Result
Overall Pass Percentage	91.39%
Distinctions	
First Classes	

(b) Report on Semester wise results (B.Tech)

- I Semester Pass %:   —
- II Semester Pass %:   66.31%
- III Semester Pass %:   —
- IV Semester Pass %:   89.85%
- V Semester Pass %:   —
- VI Semester Pass%:   78.64%
- VII Semester Pass %:   —
- VIII Semester Pass %:   91.39%

Number of Students discontinued from the program:

(c) Report on overall Results (PG Programs: M. Tech/MBA):

Metric	Result
Overall Pass Percentage	100%
Distinctions	
First Classes	

(d) Report on Semester wise results (PG Programs: M. Tech/MBA:

- I Semester Pass %   100%
- II Semester Pass%:
- III Semester Pass %:   —
- IV Semester Pass %:   —

	Number of Students discontinued the program:	
6	**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:	Yes Available Available Yes

7	**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 Workshops etc.:
		34
		
		11
		12
		
		22
		09
		
		Yes
		
		Yes

8	**Research Publications:**
	
	(a). No. of publications in Journals:
	   (i). National :
	   (ii). International:
	
	(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:
			45
			
			13
			
			50
			07
			27
			
			17
			02

Title	Name of PI & CO-PI	Funding agency	Amount	Status

(e). Report on Consultancy details:

Name of Faculty	Client Organization	Title of consultancy Project	Amount

Attached.

9	**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:
		:
		
		977
		5420
		06

10	**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: (viii) Higher education:	

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
	Signatures of the External Members	

Comments :

1) Include ICT video links given by faculty in course file.

2) conduct conferences.

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Minutes of the Meeting of BoS (U.G -B.Tech - CSE) held on 26.09.2023

The meeting of all the members of Board of studies of CSE of MLRITM College, Dundigal is conducted on 26.09.2023 at 2:00 P.M in the Board room of this institute.

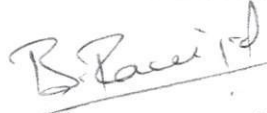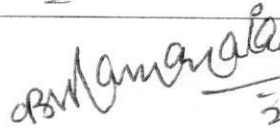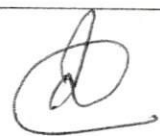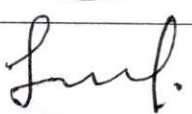The following are the BoS members for the CSE Department.
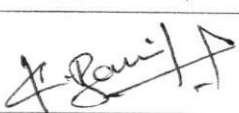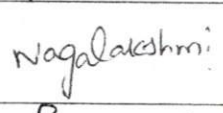
S. No.	Name & Details of Members	Designation	Category
1	Dr. B. Ravi Prasad	Professor & Head Dept. of CSE, MLRITM, Dundigal	Chairman
2	Dr. O. B. V. Ramanaiah	Professor, Dept. of CSE, JNTUH.	JNTUH, Nominee
3	Dr. S. Viswanadha Raju	Professor Dept. of CSE, JNTUH UCEJ, Jagtial	Subject Expert
4	Mr. CH. Yukthesh	Sr. Technical Officer IBM	Expert form Industry
5	Prof. K. Abdul Basith	Professor Dept. of CSE, MLRITM, Dundigal	Member
6	Dr. M. Nagalakshmi	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.
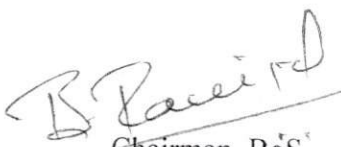
The BoS meeting has commenced with the permission of the chairman.

➢ BoS Members have finalized B.Tech CSE MLRS – R22 III & IV Years Course Structure and Syllabus for the students who are admitted in to college in the A.Y. 2022-23. B.Tech CSE III & IV Years Course structure is enclosed in Annexure - I.

➢ BoS Members suggested for **SWAYAM NPTEL** courses as a replacement for professional elective.

➢ BoS Members suggested to include case studies in all lab courses syllabus

➢ BoS Members suggested to add wire shark experiment in CN Lab course

➢ BoS Members suggested to add online applications as a week program in WT lab

➢ BoS Members suggested to follow the sequence in framing the course outcomes for all the courses.

➢ The following members have attended the BOS meeting.

S. No.	Name & Details of Members	Designation	Signature
1	Dr. B. Ravi Prasad	Professor & Head Dept. of CSE, MLRITM, Dundigal	
2	Dr. O. B. V. Ramanaiah	University Nominee, Professor, Dept. of CSE, JNTUH.	
3	Dr. S. Viswanadha Raju	Member – Subject Expert Dept. of CSE, JNTUH UCEJ, Jagtial	
4	Mr. CH. Yukthesh	Member Expert from Industry	
5	Prof. K. Abdul Basith	Member Dept. of CSE, MLRITM	
6	Dr. M. Nagalakshmi	Member Dept. of CSE, MLRITM	
7	Mr. K. Suresh	Alumni	

Date: 26/09/2023

Chairman, BoS

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

MLRS

INTERNAL QUALITY ASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I:PRELIMINARY INFORMATION

A.Y: 2023-24   Date: 9/5/2024

Name of the Department	:	Computer science and Engineering
Address of the Institute	:	Dundigal
Date and time of visit	:	9/5/2024
External Members of the Audit Committee	:	Dr. G. Kiran Kumar (CBIT)
	:	Dr. G. Ranjith Kumar, IARE
	:	

NAME OF THE DEPARTMENT: CSE

PART-II: ACADEMIC INFORMATION

S.No	Particular	Remarks
1	**Curricular Aspects** (a) Course Offered 	

Name of theCourse	Intake
B.Tech	270
M. Tech	06

S.No	Particular	Remarks
	(b) Semester wise curricular Plan: Available / Not available	Available
	(c) Coverage of Syllabus:	Covered
	(d) Report (with evidences) on latest changes brought in the revision of curriculum and syllabus:	Yes

2	**Faculty Status:** **Total Faculty:** **Available as per AICTE/JNTUH Registration:** (a) Teacher: Student Ratio: (b) Faculty Information: 	Faculty	Male	Female
Professors	05	01
Associate professors	04	01
Assistant professors	28	15 | (c) Teaching Experience of the Faculty in the institute: Attached: | Experience	>10 years	5-10yrs	2-5 years	<2years
---	---	---	---	---
No.of Faculty	13	8	33	0	 (d) Details of Supporting Staff: i) Lab Assistants: ii) Assistant programmers:	— 13

3	**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:
	  • Quizzes / workshops / competitions conducted:
	g)Use of supplementary teaching tools and application
	Of ICT: PPT, Smart TV.
	h) Various Pedagogical approaches,DrshyaSiksha
	Sangrahwith proof:
	i) Lecture based teaching-learning:
	  ii) Group-teaching and learning:
	  iii) Individual learning/self-study:
	  iv) Inquiry based learning:
	  v) Expeditionary learning:
	  vi) Peer learning:
	  vii) Experimental learning:
	  viii) Learning through problem-solving:
	i) Adherence to Academic Calendar:
	j) Quality of Student Projects:
		yes
		Conducted
		conducted
		conducted / visited
		
		Yes
		
		Yes
		
		Yes
		Yes
		Yes
		Yes
		Yes
		Yes
		Yes
		Yes

4	**Laboratory Facilities:** (a) Number of Laboratories: (b) Working condition of equipment:	24 Good.

	(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:	opensource
	(e) Computational facilities available (No. of labs):	24
	(f) Number of PCs:	850
	(g) Software available:	Available
	(h) No of Printers/Scanners:	24, 5 Scanners
	(i) Availability of updated Stock registers	24

5	**Report on Student Results:** **a) Report on overall Results (B.Tech)** | Metric	Result
---	---
Overall Pass Percentage	
Distinctions	
First Classes	| **(b) Report on Semester wise results (B.Tech)** • I Semester Pass %: • II Semester Pass %: • III Semester Pass %: • IV Semester Pass %: • V Semester Pass %: • VI Semester Pass%: • VII Semester Pass %: • VIII Semester Pass %: Number of Students discontinued from the program: **(c) Report on overall Results (PG Programs: M. Tech/MBA):** | Metric	Result
---	---
Overall Pass Percentage	
Distinctions	
First Classes	| **(d) Report on Semester wise results (PG Programs: M. Tech/MBA:** • I Semester Pass % • II Semester Pass%: • III Semester Pass %: • IV Semester Pass %:	— 74.81% 75.75% 84.15% 85.63% 100%

	Number of Students discontinued the program:	
6	**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:	Yes Available Available Yes

7	**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 Workshops etc.:
		30
		
		9
		08
		
		—
		
		18
		11
		
		Yes
		
		Yes

8	**Research Publications:**	
	(a). No. of publications in Journals:	
	(i). National :	60
	(ii). International:	07
	(b). No. of publications in Conferences:	
	(i). National:	30
	(ii). International:	03
	(iii). Book Chapters:	23
	(c). Report on Patents/ copyrights/Industrial Designs	
	(i) Published:	13
	(ii) Granted:	0
	(d). Report on Ongoing Research /Sponsored Research Project details:	

Title	Name of PI & CO-PI	Funding agency	Amount	Status

(e). Report on Consultancy details:

Name of Faculty	Client Organization	Title of consultancy Project	Amount	
Dr. T.S Srinivas Ramesh P. Shalini K. Anusha	Beess/w	chronic Kidney Disease detection using ML	3,21,795	Attached

9	**Library, other facilities:**	:
	(a). Department Library:	
	(i) Number of Titles:	917
	(ii) Total volumes of Books:	5420
	(iii) Number of Journals:	06
	(iv) Department Magazines:	
	(b). Any other please specify:	
10	**Placement Activities:**	
	(i) No. of companies Visited:	29
	(ii) No. of Placements offered:	
	(iii) No. of Students placed:	153
	(iv) Higher salary offered:	7-15LPA
	(v) Average salary offered:	4.5 LPA .
	(vi) Median salary offered:	
	(vii) Off campus placements:	
	(viii) Higher education:	6

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
	Signatures of the External Members	*[signature]* Ranjith

comments :

1) Conduct more FDP's on latest technologies.

2) Constrate on Funding projects.

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INTERNAL QUALITY ASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I: PRELIMINARY INFORMATION

A.Y:2023-2024(Even Sem)

Date: 17/10/2024

Name of the Department	:	Electrical & Electronics Engineering
Address of the Institute	:	Dundigal, Hyderabad
Date and time of visit	:	17/10/2024 10AM
External Members of the Audit Committee	:	Dr. G. Kiran Kumar (CBIT)
	:	Dr. G. Ranjith Kumar, (IARE)
	:	

NAME OF THE DEPARTMENT: Electrical and Electronics Engineering

Part-II: ACADEMIC INFORMATION

S.No	Particular	Remarks
1	**Curricular Aspects** (a) Course Offered | Name of the Course	Intake
---	---
B.Tech	30+3 | (b) Semester wise curricular Plan: Available / Not available (c) Coverage of Syllabus: (d) Report (with evidences) on latest changes brought in the revision of curriculum and syllabus:	Available Covered No

2	**Faculty Status:** **Total Faculty:** **Available as per AICTE/JNTUH Registration:** (a) Teacher: Student Ratio: (b) Faculty Information:	Regular 13 12.69

Faculty	Male	Female
Professors	1	0
Associate professors	1	0
Assistant professors	7	4

(c) Teaching Experience of the Faculty in the institute: Attached:

Experience	>10 years	5-10yrs	2-5 years	<2years
No.of Faculty	7	2	3	1

(d) Details of Supporting Staff:
i) Lab Assistants: 3
ii) Assistant programmers:

3	**Teaching – Learning:** a) Availablity of course files: b) Student assignments: c) Tutorial classes: d) Remedial classes: e) **Field/Industrial visits:**Field or industrial visits are educational excursions to real-world sites, such as construction sites, surveying locations, material testing labs, concrete plants, and infrastructure projects. These visits provide students with first hand exposure to industry practices, enabling them to observe and understand how theoretical concepts are applied in practical settings. f) **Student centric activities:**Student-centric activities are learning experiences designed to place students at the center of the educational process, **promoting** active participation, self-direction, and personalized learning. These activities encourage creativity, problem-solving, and collaboration while allowing students to take ownership of their learning. • Quizzes/workshops/competitions conducted: g) Use of supplementary teaching tools and application of ICT:PPT,Smart TV.	yes yes yes yes Conducted/Visited yes yes

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. — Yes

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

- **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 problem-solving 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
  — Yes

- **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. — Yes

- **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.

	term retention.		
	• **Learning through problem-solving:** Learning through problem-solving is an educational approach where students acquire knowledge and develop skills by tackling real-world problems. This method promotescritical thinking, creativity, and analytical skillsas learners apply their knowledge to find solutions. It encouragesactive participation, collaboration, and practical application of theoretical concepts.	Yes.	
4	**Laboratory Facilities:** (a) Number of Laboratories: 10 i) Electrical Circuites Analysis Lab ii) Electrical Machines-I Lab iii) Electrical Simulation Tools Lab iv) Electrical Machines-II Lab v) Measurements &Instrumenttion Lab vi) Control Systems Vii) Power Systems Lab Viii) Power Electronics Lab Ix) Project Lab (b) Working condition of equipment: (c) Up gradation as per new technological developments and requirements of the course curriculum: (d) Availability of licensed software as per the course Curriculum: (e) Computational facilities available (No. of labs): (f) Number of PCs: 60 (g) Software available: (h) No of Printers/Scanners:1/1 (i) Availability of updated Stock registers:Yes	10 All working Yu Yu 30 matlab,multisim 2/1 Yu	
5	**Report on Student Results:** a) Report on overall Results (B.Tech) 	Metric	Result
|---|---| 	Overall Pass Percentage		 	Distinctions		 	First Classes			

	(b) Report on Semester wise results (B.Tech) • I Semester Pass %: • II Semester Pass %: • III Semester Pass %: • IV Semester Pass %: • V Semester Pass %: • VI Semester Pass%: • VII Semester Pass %: • VIII Semester Pass %:	70.5 72.72 91.3 85.9
6	**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:	Yes Yes Available Available Yes

7	**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:
		13.
		
		27

8	**Research Publications:**
	
	(a). No. of publications in Journals:
	    (i). National :
	    (ii). International:
	
	(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:
		4
		
		1

(d) table:

Title	Name of PI & CO-PI	Funding agency	Amount	Status

(e). Report on Consultancy details:

Name of Faculty	Client Organization	Title of consultancy Project	Amount
Mr. S. Thirupath	Optimized VD Polymer	Optimized Panel Board sol for	118820
Mr. S. Thirupthi	Chowdary	Efficient electrical Restoration	241845

9	**Library, other facilities:**
	
	    (i) Number of Titles:
	    (ii) Total volumes of Books:
	    (iii) Number of Journals:
	    (iv) Department Magazines:
		:
		
		677
		1217
		6
		6

10	**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:
	    (viii) Higher education:
		10
		50
		46
		5.2LPA
		3.5LPA
		2.8LPA
		4

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 Yes.
12	**Suggestions/Comments:** 1. Conduct Conferences 2. Include ICT video Links Given by faculty In Course file.		
	Signatures of the External Members		Ranjith CD

Minutes of the Meeting of BoS (U.G -B.Tech - EEE) held on 30.09.2023

The meeting of all the members of Board of studies of EEE of MLRITM College, Dundigal is conducted on 30.09.2023 at 11:00 A.M in the Board room of this institute.

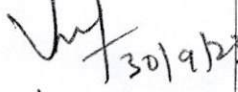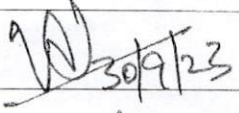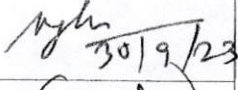The following are the BoS members for the EEE Department.
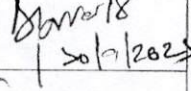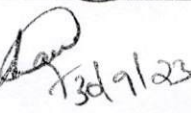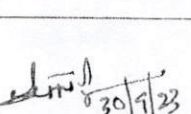
S. No.	Name & Details of Members	Designation	Category
1	Dr. Vinod A	Professor & Head Dept. of EEE, MLRITM, Dundigal	Chairman
2	Dr. N. V. Ramana	Professor, Dept. of EEE, JNTUH.	JNTUH, Nominee
3	Dr. A.Raghu Ram	Professor Dept. of EEE, JNTUH	Subject Expert
4	Dr.G.Mallesham	Professor Dept. of EEE, OU	Subject Expert
5	Mr. B.Bhargav	Sr. Engineer MEGAWIN	Expert form Industry
6	Prof. M.Ramesh	Professor Dept. of EEE, MLRITM, Dundigal	Member
7	Mr.G.Pavan	Associate Professor Dept. of EEE, MLRITM, Dundigal	Member
8	Mr. G. Srinivas	Associate Professor Dept. of EEE, MLRITM, Dundigal	Member

BoS Chairman for the EEE department has welcomed honorable members to the BoS meeting.

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

➢ BoS Members have finalized B.Tech EEE MLRS – R22 III, IV and Open Electives Syllabus for the students who are admitted in to college in the A.Y. 2022-23. B.Tech III, IV and Open Electives Years syllabus is enclosed in Annexure - I.

➢ The following members have attended the BOS meeting.
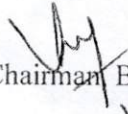
S. No.	Name & Details of Members	Designation	Signature
1	Dr. Vinod A	Professor & Head Dept. of EEE, MLRITM, Dundigal	30/9/23
2	Dr. N. V. Ramana	Professor, Dept. of EEE, JNTUH.	30/9/23
3	Dr. A.Raghu Ram	Professor Dept. of EEE, JNTUH	30/9/23
4	Dr.G.Mallesham	Professor Dept. of EEE, OU	
5	Mr. B.Bhargav	Sr. Engineer MEGAWIN	30/9/2023
6	Prof. M.Ramesh	Professor Dept. of EEE, MLRITM, Dundigal	
7	Mr.G.Pavan	Associate Professor Dept. of EEE, MLRITM, Dundigal	30/9/23
8	Mr. G. Srinivas	Associate Professor Dept. of EEE, MLRITM, Dundigal	30/9/23

Date: 30/09/2023

Chairman BoS
30/9/23

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INTERNAL QUALITY ASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I: PRELIMINARY INFORMATION

A.Y:2023-2024(Odd Sem)

Date: 9/5/2024

Name of the Department	:	Electrical & Electronics Engineering
Address of the Institute	:	Dundigal, Hyderabad
Date and time of visit	:	9/5/2024, 10AM
External Members of the Audit Committee	:	Dr. G Kiran Kumar (CBIT)
	:	Dr. G Ranjith Kumar (IARE)
	:	

NAME OF THE DEPARTMENT: Electrical and Electronics Engineering

Part-II: ACADEMIC INFORMATION

S.No	Particular	Remarks
1	**Curricular Aspects** (a) Course Offered | Name of the Course	Intake
B.Tech	30+3 | (b) Semester wise curricular Plan: Available / Not available (c) Coverage of Syllabus: (d) Report (with evidences) on latest changes brought in the revision of curriculum and syllabus:	Available Covered No

2	**Faculty Status:** **Total Faculty:** **Available as per AICTE/JNTUH Registration:** (a) Teacher: Student Ratio: (b) Faculty Information:		Regular 13 12.69

Faculty Status:
Total Faculty:
Available as per AICTE/JNTUH Registration:
(a) Teacher: Student Ratio:
(b) Faculty Information:

Faculty	Male	Female
Professors	1	0
Associate professors	1	0
Assistant professors	7	4

(c) Teaching Experience of the Faculty in the institute:
Attached:

Experience	>10 years	5-10yrs	2-5 years	<2years
No. of Faculty	7	2	3	1

(d) Details of Supporting Staff:
i) Lab Assistants: 3
ii) Assistant programmers:

Teaching – Learning:

a) Availablity of course files: yes

b) Student assignments: yes

c) Tutorial classes: yes

d) Remedial classes: yes

e) **Field/Industrial visits:** Field or industrial visits are educational excursions to real-world sites, such as construction sites, surveying locations, material testing labs, concrete plants, and infrastructure projects. These visits provide students with firsthand exposure to industry practices, enabling them to observe and understand how theoretical concepts are applied in practical settings. Conducted / Visited.

f) **Student centric activities:** Student-centric activities are learning experiences designed to place students at the center of the educational process, **promoting** active participation, self-direction, and personalized learning. These activities encourage creativity, problem-solving, and collaboration while allowing students to take ownership of their learning. yes

   • Quizzes/workshops/competitions conducted:

g) Use of supplementary teaching tools and application of ICT:PPT,Smart TV.

(Row number: 3)

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.   *Yes*

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

- **Individual learning/self-study:** self learning certificates.   *Yes.*

- **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 problem-solving skills by involving students in the learning process through investigation 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 :**   *Conducted.*
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:**   *Yes.*
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-term retention.

	• **Learning through problem-solving:** Learning through problem-solving is an educational approach where students acquire knowledge and develop skills by tackling real-world problems. This method promotescritical thinking, creativity, and analytical skillsas learners apply their knowledge to find solutions. It encouragesactive participation, collaboration, and practical application of theoretical concepts.	Yes.
4	**Laboratory Facilities:** (a) Number of Laboratories: i. Electrical Circuites Analysis Lab ii. Electrical Machines-I Lab iii. Electrical Simulatio Tools Lab iv. Electrical Machines Lab v. Measurements &Instrumentation Lab vi. Control Systems vii. Power System Lab viii. Power Electronics Lab ix. Project Lab (b) Working condition of equipment: (c) Up gradation as per new technological developments and requirements of the course curriculum: (d) Availability of licensed software as per the course Curriculum: (e) Computational facilities available (No. of labs): (f) Number of PCs: (g) Software available: (h) No of Printers/Scanners: (i) Availability of updated Stock registers	10 All working Yes. yes. 30 matlab, multisim 2/1 yes
5	**Report on Student Results:** **a) Report on overall Results (B.Tech)**	

Metric	Result
Overall Pass Percentage	85.9%
Distinctions	
First Classes	

		(b) Report on Semester wise results (B.Tech) • I Semester Pass %: • II Semester Pass %: • III Semester Pass %: • IV Semester Pass %: • V Semester Pass %: • VI Semester Pass%: • VII Semester Pass %: • VIII Semester Pass %:	64.7%. 72.72%. 71.4%. 64.0%.
6		**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:	Yes Yes Available Available Yes.

7		**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:
			14
			
			3

8	**Research Publications:**
	
	(a). No. of publications in Journals:
	    (i). National :
	    (ii). International:
	
	(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:
		4
		
		1

Title	Name of PI & CO-PI	Funding agency	Amount	Status

(e). Report on Consultancy details:

Name of Faculty	Client Organization	Title of consultancy Project	Amount
Mr. S Thirupathi	VD Polymers	Optimized Panel board.	113820.
Mr. S Thirupathi Choudary		Efficient Electrical Packtech Restoration.	241845

9	**Library, other facilities:**
	
	    (i) Number of Titles:
	    (ii) Total volumes of Books:
	    (iii) Number of Journals:
	    (iv) Department Magazines:
		:
		
		677
		1217
		6
		6

10	**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: (viii) Higher education:	10 50 46 5.2 LPA 3.5 LPA 2.8 LPA 4

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
		
		Yes	

12	**Suggestions/Comments:** 1. All faculty Should be encouraged for Participation and publication. 2. More Focus on Higher package Salary.		
	Signatures of the External Members	Ranjith	

MARRI LAXMAN REDDY
INSTITUTE OF TECHNOLOGY AND MANAGEMENT
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MLRS

INTERNAL QUALITY ASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I: PRELIMINARY INFORMATION

A.Y 2023-2024   Date: 17/10/2024

Name of the Department	:	Mechanical Engineering
Address of the Institute	:	Dundigal, Hyderabad
Date and time of visit	:	17/10/2024 10 AM
External Members of the Audit Committee	:	
	:	Dr. G. Kiran Kumar (CBIT)
	:	Dr. G. Ranjith Kumar (IARE)

NAME OF THE DEPARTMENT: Mechanical Engineering

PART-II: ACADEMIC INFORMATION

S.No	Particular	Remarks
1	**Curricular Aspects** (a) Course Offered | Name of the Course	Intake
---	---
B.Tech	30
M. Tech	12 | (b) Semester wise curricular Plan: Available / Not available (c) Coverage of Syllabus: (d) Report (with evidences) on latest changes brought in the revision of curriculum and syllabus:	 Available Yes Yes

2	**Faculty Status:** **Total Faculty:** **Available as per AICTE/JNTUH Registration:** (a) Teacher: Student Ratio: (b) Faculty Information:		Regular 12 Yes 1:20

(b) Faculty Information:

Faculty	Male	Female
Professors	2	
Associate professors	3	1
Assistant professors	4	2

(c) Teaching Experience of the Faculty in the institute: Attached:

Experience	>10 years	5-10yrs	2-5 years	<2years
No. of Faculty	4	2	4	2

(d) Details of Supporting Staff:
i) Lab Assistants:
ii) Assistant programmers: 6

3	**Teaching – Learning:**
	 a) Availability of Course Files:
	 b) Student Assignments:
	 c) Tutorial classes:
	 d) Remedial Classes:
	 e) Field/Industrial visits:
	 f) Student Centric Activities:
	    • Quizzes / workshops / competitions conducted:
	 g) Use of supplementary teaching tools and application Of ICT: PPT, Smart TV.
	 h) Various Pedagogical approaches, Drshya Siksha Sangrah with proof:
	   i) Lecture based teaching-learning:
	   ii) Group-teaching and learning:
	   iii) Individual learning/self-study:
	   iv) Inquiry based learning:
	   v) Kinesthetic learning:
	   vi) Game Based learning:
	   vii) Expeditionary learning:
	   viii) Peer learning:
	   ix) Experimental learning
	   x) Learning through problem-solving:
		Available
		 Yes
		 Yes
		 Yes
		 Yes
		
		 Conducted
		
		 Yes
		
		 Yes
		 Yes
		 Yes
		 Yes
		 Yes
		 Yes
		 Yes
		 Yes
		 Yes
		 Yes

4	**Laboratory Facilities:** (a) Number of Laboratories: (b) Working condition of equipment:	 12 Working

	(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:	Available
	(e) Computational facilities available (No. of labs):	4
	(f) Number of PCs:	36
	(g) Software available:	Available
	(h) No of Printers/Scanners:	01|01
	(i) Availability of updated Stock registers	Yes

Report on Student Results:

a) Report on overall Results (B.Tech)

Metric	Result
Overall Pass Percentage	92.84
Distinctions	
First Classes	

(b) Report on Semester wise results (B.Tech)

- I   Semester Pass %:
- II   Semester Pass %: 64.2%
- III   Semester Pass %: 80.12%
- IV   Semester Pass %:
- V   Semester Pass %: 8.7857%
- VI   Semester Pass%:
- VII Semester Pass %: 84.84%   93.3%
- VIII Semester Pass %:

Number of Students discontinued from the program:

(c) Report on overall Results (PG Programs: M. Tech/MBA):

Metric	Result
Overall Pass Percentage	100 %
Distinctions	
First Classes	

(d) Report on Semester wise results (PG Programs: M. Tech/MBA:

- I Semester Pass %   100%
- II Semester Pass%:   100%
- III Semester Pass %:
- IV Semester Pass %:

5

	Number of Students discontinued the program:	

6	**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:
		Yy
		Yy
		Yy
		Yy
		
		Available

7	**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 Workshops etc.:
		
		13
		
		Yy
		
		Yy

8	**Research Publications:**
	
	(a). No. of publications in Journals:
	    (i). National :
	    (ii). International:
	
	(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:
			6
			
			2
			1

(d) table:

Title	Name of PI & CO-PI	Funding agency	Amount	Status
1	Dr. G. Suryaprakash	DST	2·48 cr	ongoing.

(e). Report on Consultancy details:

Name of Faculty	Client Organization	Title of consultancy Project	Amount
Dr. S.P. Dani	D.V. Enterprises	Automated Material Handling Vehicle for workspace 97 a upve fabrication company	3 lakpam

9	**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:
			89
			151
			
			6

10	**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:
	    (viii) Higher education:
			7
			30
			30
			6 LPA
			3 LPA
			4 LPA
			16
			02

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.	
	Signatures of the External Members	Ranjith	

Comments:

To increase more number of publications in Journals.

To encourage students to participate in all the skill development courses

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INTERNAL QUALITY ASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I: PRELIMINARY INFORMATION

A·Y 2023 - 2024

Date: 9/5/2024

Name of the Department	:	Mechanical Engineering
Address of the Institute	:	Dundigal, Hyderabad
Date and time of visit	:	9/5/2024 10 Am
External Members of the Audit Committee	:	
	:	Dr. G. Kiran Kumar (CBIT)
	:	Dr. G. Ranjith Kumar (DARE)

NAME OF THE DEPARTMENT: Mechanical Engineering
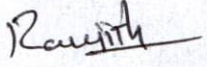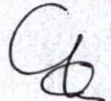
PART-II: ACADEMIC INFORMATION

S.No	Particular	Remarks
1	**Curricular Aspects** (a) Course Offered | Name of the Course	Intake
B.Tech	30
M. Tech	12 | (b) Semester wise curricular Plan: Available / Not available (c) Coverage of Syllabus: (d) Report (with evidences) on latest changes brought in the revision of curriculum and syllabus:	 Available yes yes

2	**Faculty Status:** **Total Faculty:** **Available as per AICTE/JNTUH Registration:** (a) Teacher: Student Ratio: (b) Faculty Information:	Regular 12 Yes 1:20

(b) Faculty Information:

Faculty	Male	Female
Professors	2	
Associate professors	3	1
Assistant professors	4	2

(c) Teaching Experience of the Faculty in the institute: Attached:

Experience	>10 years	5-10yrs	2-5 years	<2years
No. of Faculty	4	2	4	2

(d) Details of Supporting Staff:
 i) Lab Assistants: 6
 ii) Assistant programmers:

3	**Teaching – Learning:**
	 a) Availability of Course Files:
	 b) Student Assignments:
	 c) Tutorial classes:
	 d) Remedial Classes:
	 e) Field/Industrial visits:
	 f) Student Centric Activities:
	     • Quizzes / workshops / competitions conducted:
	 g) Use of supplementary teaching tools and application Of ICT: PPT, Smart TV.
	 h) Various Pedagogical approaches, Drshya Siksha Sangrah with proof:
	   i) Lecture based teaching-learning:
	   ii) Group-teaching and learning:
	   iii) Individual learning/self-study:
	   iv) Inquiry based learning:
	   v) Kinesthetic learning:
	   vi) Game Based learning:
	   vii) Expeditionary learning:
	   viii) Peer learning:
	   ix) Experimental learning
	   x) Learning through problem-solving:
		Available
		 Yes
		 Yes
		 Yes
		 Conducted
		
		 Yes
		
		 Yes
		
		 Yes
		 Yes
		 Yes
		 Yes
		 Yes
		 Yes
		 Yes
		 Yes
		 Yes
		 Yes

4	**Laboratory Facilities:** (a) Number of Laboratories: (b) Working condition of equipment:	 12 Working.

(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:	Autocad, Ansys
(e) Computational facilities available (No. of labs):	4
(f) Number of PCs:	36
(g) Software available:	Available
(h) No of Printers/Scanners:	~~sto~~ 01/01
(i) Availability of updated Stock registers	Yes

Report on Student Results:

a) Report on overall Results (B.Tech)

Metric	Result
Overall Pass Percentage	
Distinctions	
First Classes	

(b) Report on Semester wise results (B.Tech)

- I   Semester Pass %: 71.42%
- II   Semester Pass %:
- III Semester Pass %: 72.5%
- IV   Semester Pass %:
- V   Semester Pass %: 78.57%
- VI   Semester Pass%:
- VII Semester Pass %: 81.66%
- VIII Semester Pass %:

Number of Students discontinued from the program:

(c) Report on overall Results (PG Programs: M. Tech/MBA):

Metric	Result
Overall Pass Percentage	
Distinctions	
First Classes	

(d) Report on Semester wise results (PG Programs: M. Tech/MBA:

- I Semester Pass %   100%
- II Semester Pass%:
- III Semester Pass %: 100%
- IV Semester Pass %:

		Number of Students discontinued the program:	
6		**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:	Yes Yes Yes Yes Available

7		**Faculty Development Programs:**
		
		 (a) FDPs attended 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 Workshops etc.:
			4
			
			 6
			
			 Yes
			
			 Yes

8	**Research Publications:**
	
	(a). No. of publications in Journals:
	    (i). National :
	    (ii). International:
	
	(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:
		4
		
		01
		
		2

Title	Name of PI & CO-PI	Funding agency	Amount	Status
1.	Dr G. Suryaprabah Rao	DCT	2.48 cr	ongoing

(e). Report on Consultancy details:

Name of Faculty	Client Organization	Title of consultancy Project	Amount
Dr. S.P Tad	D.V. Enterprise	Automated modify Handling vehicle for workspace for a upvc fabrication company	3,10000/-

9	**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:
		:
		
		89
		151
		
		6

10	**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: (viii) Higher education:	3 15 15 4LPA 3LPA 05 03

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
	Signatures of the External Members	Ranjith
		(signature)

Comments :

To motivate students to register for MOOC's courses and get certified.

To encourage faculty to conduct more STTP/s Norshops.