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

2022 - 23

INTERNAL QUALITY ASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I:PRELIMINARY INFORMATION

A.Y: 2022 - 23 Date: 24/6/2023

Name of the Department	:	Computer Science and Engineering
Address of the Institute	:	Dundigal
Date and time of visit	:	24/6/2023 10 AM
External Members of the Audit Committee	:	Dr. P. Venkat Reddy (Women Uni
	:	Dr. P. Ashok Babu (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: 192 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

<table>
<tr><td>2</td><td>
Faculty Status:
Total Faculty:
Available as per AICTE/JNTUH Registration:
(a) Teacher: Student Ratio:
(b) Faculty Information:
<table>
<tr><th>Faculty</th><th>Male</th><th>Female</th></tr>
<tr><td>Professors</td><td>08</td><td>02</td></tr>
<tr><td>Associate professors</td><td>03</td><td>0</td></tr>
<tr><td>Assistant professors</td><td>24</td><td>14</td></tr>
</table>
(c) Teaching Experience of the Faculty in the institute: Attached:
<table>
<tr><td>Experience</td><td>>10 years</td><td>5-10yrs</td><td>2-5 years</td><td><2years</td></tr>
<tr><td>No. of Faculty</td><td>10</td><td>14</td><td>27</td><td>0</td></tr>
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(d) Details of Supporting Staff:
i) Lab Assistants:
ii) Assistant programmers:
</td><td>-
13</td></tr>
<tr><td>3</td><td>
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:
</td><td>yes
conducted
conducted
conducted / visited

yes

yes
yes
yes
yes
yes
yes
yes
yes
yes
yes
yes</td></tr>
<tr><td>4</td><td>
Laboratory Facilities:
(a) Number of Laboratories:
(b) Working condition of equipment:
</td><td>24
Good</td></tr>
</table>

	(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	4g opensource 24 850 Available 24 Printers, 5 Scanners 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 %:	— 65.42%. — 85.71%. — 81.71%. — 80.64%. — — 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 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.:**	 29 07 06 16 07 16 07 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:**	50 14 43 06 06 13 01

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
B. Ravi Prasad Y. Appa Rao CH. Sravani	Arindya Technologies	AI Health care BOT System	3,25,890

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:**	: 616 4946 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:	19 151 5.0 L.P.A 3.8 07

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2022-23

INTERNAL QUALITY ASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I:PRELIMINARY INFORMATION

A.Y: 2022-23 Date: 24/6/2023

Name of the Department	:	Computer Science and Engineering
Address of the Institute	:	Dundigal
Date and time of visit	:	24/6/2023 10 AM
External Members of the Audit Committee	:	Dr. P. Venkat Reddy (Women Uni
	:	Dr. P. Ashok Babu (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: 192 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: (c) Teaching Experience of the Faculty in the institute: Attached: (d) Details of Supporting Staff: i) Lab Assistants: ii) Assistant programmers:	
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
4	**Laboratory Facilities:** (a) Number of Laboratories: (b) Working condition of equipment:	24 Good

Faculty	Male	Female
Professors	08	02
Associate professors	03	0
Assistant professors	24	14

Experience	>10 years	5-10yrs	2-5 years	<2years
No. of Faculty	10	14	27	0

-

13

	(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	4g opensource 24 850 Available 24 Printers, 5 Scanners 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 %:	— 65.42%. — 85.71%. — 81.71%. — 80.64%. — — 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 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.:**	 29 07 06 16 07 16 07 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:**	50 14 43 06 06 13 01

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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:	19 151 5.0 L.P.A 3.8 07

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 Qualityimprovement Committee: (d) Any Other Academic Committee:	Yes Yes Yes
	Signatures of the External Members	

comments :

1. Focus on Higher Package salary.
2. more patents required for faculty.

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Minutes of the Meeting of BoS (U.G -B.Tech - CSE) held on 27.03.2023

The meeting of all the members of Board of studies of CSE of MLRITM College, Dundigal is conducted on 27.03.2023 at 10:00 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. O. B. V. Ramanaiah	Professor, Dept. of CSE, JNTUH.	JNTUH, 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	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 II Year Course Structure and Syllabus for the students who are admitted into college in the A.Y. 2022-23. B.Tech CSE II Year Course structure is enclosed in Annexure - I.

- 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 CEJ, 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	Nagalakshmi
7	Mr. K. Suresh	Alumni	

Date: 27/03/2023

Chairman, BoS

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22 -23

INTERNAL QUALITY ASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I:PRELIMINARY INFORMATION

A.Y: 2022-23 Date: 29/11/23

Name of the Department	:	Computer Science and Engineering
Address of the Institute	:	Dundigal
Date and time of visit	:	29/11/2023
External Members of the Audit Committee	:	Dr. P. Venkat Reddy (Women Uni)
	:	Dr. P. Ashok babu, 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: 192 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: (c) Teaching Experience of the Faculty in the institute: Attached: (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

Faculty Information:

Faculty	Male	Female
Professors	08	02
Associate professors	03	0
Assistant professors	24	14

Teaching Experience of the Faculty in the institute:

Experience	>10 years	5-10yrs	2-5 years	<2years
No. of Faculty	10	14	27	0

	(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	Yes Opensource 24 250 Available 24 Printers, 5 Scanners 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 %:	– 99.47% – 90.20% – 73.63% – 95% – 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 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.:**	22 08 09 20 08 16 07 Yes Yes

<table>
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<td>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:
<table>
<tr><th>Title</th><th>Name of PI & CO-PI</th><th>Funding agency</th><th>Amount</th><th>Status</th></tr>
<tr><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td><td></td><td></td></tr>
</table>
(e). Report on Consultancy details:
<table>
<tr><th>Name of Faculty</th><th>Client Organization</th><th>Title of consultancy Project</th><th>Amount</th></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
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</td>
<td>

35
10

28
04
09

12
01</td>
</tr>
<tr>
<td>9</td>
<td>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:</td>
<td>:

616
4946
06</td>
</tr>
<tr>
<td>10</td>
<td>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:</td>
<td>
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–</td>
</tr>
</table>

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 Qualityimprovement Committee: (d) Any Other Academic Committee:	 Yes Yes Yes
	Signatures of the External Members	

Comments :-

1. Focus on Training & placement.

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Minutes of the Meeting of BoS (U.G - B.Tech – CSE & M.Tech(CSE)) held on 21.10.2022

The meeting of all the members of Board of studies of CSE of MLRITM College, Dundigal is conducted on 21.10.2022 at 10:00 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.	JNTUH, 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	Prof. K. Abdul Basith	Professor Dept. of CSE, MLRITM, Dundigal	Member
6	Dr. M. Nagalakshmi	Professor & Head Dept. of IT , 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-R22 Course Structure, first year subjects and syllabus for B.Tech CSE & MLRS- R22 Two years course structure and Syllabus for M.Tech CSE students who will be admitted in to college for the A.Y. 2022-23. Course structure is enclosed in Annexure-I
- BoS Members have approved the distribution and weightage of marks for theory and practical subjects. These subjects will be evaluated for a maximum of 100 marks each, with 40 marks allotted for CIE (Continuous Internal Evaluation) and 60 marks for SEE (Semester End Examinations).

➢ 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. M. Nagaratna	Professor, Dept. of CSE, JNTUH.	
3	Dr. S. Viswanadha Raju	Professor Dept. of CSE, JNTUH CEJ, Jagtial	
4	Mr. CH. Yukthesh	Sr. Technical Officer IBM	
5	Prof. K. Abdul Basith	Professor Dept. of CSE, MLRITM, Dundigal	
6	Dr. M. Nagalakshmi	Professor & Head Dept. of IT , MLRITM, Dundigal	Nagalakshmi
7	Mr. K. Suresh	Technical Consultant IntegRythm, Hyderabad	

Date: 21/10/2022

Chairman, BoS

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INTERNAL QUALITY ASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I: PRELIMINARY INFORMATION

A.Y:2022-2023(Even Sem)

Date: 29/11/2023

Name of the Department	:	Electrical & Electronics Engineering
Address of the Institute	:	Dundigal, Hyderabad.
Date and time of visit	:	29/11/2023, 10:30 AM
External Members of the Audit Committee	:	Dr. P. Venkat Reddy,
	:	Dr. P. Ashok Babu (JNTUH)
	:	

NAME OF THE DEPARTMENT:

PART-II:ACADEMIC INFORMATION

S.No	Particular	Remarks
1	**Curricular Aspects** (a) Course Offered Name of the Course: B.Tech — Intake: 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 Yes

2	**Faculty Status:** Regular **Total Faculty:** 14 **Available as per AICTE/JNTUH Registration:** 14.14 (a) Teacher: Student Ratio: (b) Faculty Information: **Faculty** / **Male** / **Female** **Professors** / 1 / **Associate professors** / 2 / **Assistant professors** / 8 / 3 (c) Teaching Experience of the Faculty in the institute: Attached: **Experience** / >10 years / 5-10yrs / 2-5 years / <2years **No.of Faculty** / 6 / 2 / 4 / 2 (d) Details of Supporting Staff: i) Lab Assistants: 3 ii) Assistant programmers:	
3	**Teaching – Learning:** a) Availability of course files: Yes b) Student assignments: Yes c) Tutorial classes: Yes d) Remedial classes: Conducted/ **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. Verified. 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. Conducted • 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:

- **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:**

Yes.

  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-

	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 Good. 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 | 96.77%. 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 %:	65.2 73.46%. 67%. 96.77%.
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:	1 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:**	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	Chowdary Pantech	Strategic design solution for efficient	126050
Mr. S. Thirupathi	VD Polymers	custom wiring and power distribution	107000

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:	8 61 47 5.5 LPA 3.5 LPA 2.8 LPA 2

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. Students achievements Need to be Increased 2. More focus on Training and Placement.	
	Signatures of the External Members	

Minutes of the Meeting of BoS (U.G - B.Tech - EEE) held on 20.10.2022

The meeting of all the members of Board of studies of EEE of MLRITM College, Dundigal is conducted on 20.10.2022 at 3:00 PM. in online mode.

The following are the BoS members for the EEE Department.

S. No.	Name & Details of Members	Designation	Category
1	Dr. A. Vinod	Professor & Head Dept. of EEE, MLRITM, Dundigal	Chairman
2	~~Prof.~~ P Venkata Narayana	Assoc. Professor, Dept. of EEE, JNTUH.	JNTUH, Nominee
3	Dr. A.Raguram	Professor Dept. of EEE, JNTUH	Subject Expert
4	Dr.G.Mallesham	Professor Dept. of EEE, OU	Subject Expert
5	Mr. B.Bhargav	Deputy Manager: Toshiba India	Expert form Industry
6	Dr.P.Jyoshna	Professor Dept. of EEE, MLRITM, Dundigal	Member
7	Mr. J. Yadagiri	Assoc. Professor Dept. of EEE , MLRITM, Dundigal	Member
8	Mr.B.Shiva Shanakar	Assoc. 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 MLRS-R22 Course Structure, I & II Year subjects and its lab syllabus B.Tech EEE students who will be admitted in to college for the A.Y. 2022-23. Course structure is enclosed in Annexure-I, Service subjects enclosed in Annexure-II and EEE Syllabus (I and II) Years Enclosed in Annexure-III.
- BoS Members have approved the distribution and weightage of marks for theory and practical subjects. These subjects will be evaluated for a maximum of 100 marks each, with 40 marks allotted for CIE (Continuous Internal Evaluation) and 60 marks for SEE (Semester End Examinations).

➢ The following members have attended the BOS meeting.

S. No.	Name & Details of Members	Designation	Category
1	Dr. A. Vinod	Professor & Head Dept. of EEE, MLRITM, Dundigal	Chairman
2	~~Prof.~~ P Venkata Narayana	Assoc. Professor, Dept. of EEE, JNTUH.	JNTUH, Nominee
3	Dr. A.Raguram	Professor Dept. of EEE, JNTUH	Subject Expert
4	Dr.G.Mallesham	Professor Dept. of EEE, JNTUH	Subject Expert
5	Mr. B.Bhargav	Deputy Manager: Toshiba India	Expert form Industry
6	Dr.P.Jyoshna	Professor Dept. of EEE, MLRITM, Dundigal	Member
7	Mr. J. Yadgiri	Assoc. Professor Dept. of EEE , MLRITM, Dundigal	Member
8	Mr.B.Shiva Shanakar	Assoc. Professor Dept. of EEE , MLRITM, Dundigal	Member

Date: 20/10/2022

Chairman, BoS

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INTERNAL QUALITY ASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I: PRELIMINARY INFORMATION

A.Y:2022-2023(Odd Sem)

Date: 24/06/2023

Name of the Department	:	Electrical & Electronics Engineering
Address of the Institute	:	Dundigal, Hyderabad.
Date and time of visit	:	24/06/2023, 10:30 AM
External Members of the Audit Committee	:	Dr. P. Venkat Reddy
	:	Dr. P Ashok Babu (JNTUH)
	:	

NAME OF THE DEPARTMENT:

PART-II:ACADEMIC INFORMATION

S.No	Particular	Remarks
1	**Curricular Aspects** (a) Course Offered Name of the Course: B.Tech — Intake: 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 yes

2	**Faculty Status:** Regular **Total Faculty:** 14 **Available as per AICTE/JNTUH Registration:** (a) Teacher: Student Ratio: 14·14 (b) Faculty Information: **Faculty** / **Male** / **Female** **Professors** / 1 / **Associate professors** / 2 / **Assistant professors** / 8 / 3 (c) Teaching Experience of the Faculty in the institute: Attached: **Experience** / >10 years / 5-10yrs / 2-5 years / <2years **No. of Faculty** / 6 / 2 / 4 / 2 (d) Details of Supporting Staff: i) Lab Assistants: 3 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**: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. Conducted / Verified 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. Conducted. • 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: • **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 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 • **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 Yes Yes 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.	
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 Yes. 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: 96.7% 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 %:	60.8 73.46 67.1 61.2
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 2

8

Research Publications:

(a). No. of publications in Journals:

(i). National : 1

(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:

Title	Name of PI & CO-PI	Funding agency	Amount	Status
Demonstration & Popularization of Science through expose models	Dr. G. Narsinga Rao.	DST-NCSTC	1792380	Completed
	Dr. A. Vinod			

(e). Report on Consultancy details:

Name of Faculty	Client Organization	Title of consultancy Project	Amount
Mr. S. Thiru Pathi	Chowdary Pack tech	Strategic design Solution for Efficient	126050
Mr. S. Thiru Pathi	V D Polymers	Custom Wiring Power Distribution	107000

9

Library, other facilities: :

(i) Number of Titles: 677

(ii) Total volumes of Books: 1217

(iii) Number of Journals: 6

(iv) Department Magazines: 6

10

Placement Activities:

(i) No. of companies Visited: 8

(ii) No. of Placements offered: 61

(iii) No. of Students placed: 47

(iv) Higher salary offered: 5 LPA

(v) Average salary offered: 3.5 LPA

(vi) Median salary offered: 2.8 LPA

(vii) Off campus placements: 2

(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:	
12	**Suggestions/Comments:** 1. Focus on Higher Studies. 2. Very Few patents are there Doctorate. faculty and other faculty can be Motivated to get Research grants and Funded projects.	
	Signatures of the External Members	

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INTERNAL QUALITY ASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I: PRELIMINARY INFORMATION

A.Y: 2022-2023 (EVEN) Date: 29/11/2023

Name of the Department	:	Mechanical Engineering
Address of the Institute	:	Dundigal, Hyderabad
Date and time of visit	:	29/11/2023, 10 AM
External Members of the Audit Committee	:	
	:	Dr. D. Venkat Reddy (WOXEN)
	:	Dr. P. Ashok babu (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:** Regular **Total Faculty:** 18 **Available as per AICTE/JNTUH Registration:** Yes (a) Teacher: Student Ratio: 1:20 (b) Faculty Information: (c) Teaching Experience of the Faculty in the institute: Attached: (d) Details of Supporting Staff: i) Lab Assistants: Yes 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: • Quizzes / workshops / competitions conducted: conducted g) Use of supplementary teaching tools and application Of ICT: PPT, Smart TV. Yes h) Various Pedagogical approaches, Drshya Siksha Sangrah with proof: 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: 12 (b) Working condition of equipment: working	

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

Experience	>10 years	5-10yrs	2-5 years	<2years
No. of Faculty	4	6	6	3

(b) Faculty Information:

Faculty	Male	Female
Professors	4	
Associate professors	4	1
Assistant professors	7	2

	(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	Yes Yes 4 36 Yes 0/01 Yes
5	**Report on Student Results:** **a) Report on overall Results (B.Tech)** **Metric** / **Result** Overall Pass Percentage — 84.73% 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 — 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 %:	74.19%. 78.3%. 86.32%. 100%. 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 Yes Yes Yes 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.:**	4 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:**	8 8 7 1

Title	Name of PI & CO-PI	Funding agency	Amount	Status
1	S.P. Tani	DST	504000	ongoing
2	Dr. G. Synya Prakash	DST	2.48 cr	ongoing

(e). Report on Consultancy details:

Name of Faculty	Client Organization	Title of consultancy Project	Amount
K. Veena Raghavulu	Trifolex Consultancy pvt Ltd	Development of Fire fighting Design and Detailed Engg. services	312 000

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:**	: 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:	25 51 61 7 LPA 3.5 LPA 4 LPA 13 10

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	Already

Comments :-

1. Motivate students for developing skills regarding industries

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INTERNAL QUALITY ASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I: PRELIMINARY INFORMATION

A.Y: 2022-2023 (ODD) Date: 24/6/2023

Name of the Department	:	Mechanical Engineering
Address of the Institute	:	Dundigal, Hyderabad
Date and time of visit	:	24/6/2023, 10:30 Am
External Members of the Audit Committee	:	
	:	Dr. P. Venkat Reddy (Women)
	:	Dr. P. Ashok Babu (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:** Regular **Total Faculty:** 18 **Available as per AICTE/JNTUH Registration:** Yes (a) Teacher: Student Ratio: 1:20 (b) Faculty Information: (c) Teaching Experience of the Faculty in the institute: Attached: (d) Details of Supporting Staff: i) Lab Assistants: 6 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: Yes g) Use of supplementary teaching tools and application Of ICT: PPT, Smart TV. Yes h) Various Pedagogical approaches, Drshya Siksha Sangrah with proof: 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: 12 (b) Working condition of equipment: working.	

Faculty	Male	Female
Professors	4	
Associate professors	4	1
Assistant professors	7	2

Experience	>10 years	5-10yrs	2-5 years	<2years
No. of Faculty	4	6	6	3

	(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	Yes Yes 4 36 Yes 1/1 Yes
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 %: 83.76 • 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%: 100 • III Semester Pass %: • IV Semester Pass %:	77.41 %. 75.01 %. 83.76 %. 100 %. 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 Yes Yes Yes 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.:**	4 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:**	5 4 2 1

Title	Name of PI & CO-PI	Funding agency	Amount	Status
1.	Dr. S.P. Tani	DST	504000	on going
2.	Dr. G.S.P	DST	2.48cr	ongoing

(e). Report on Consultancy details:

Name of Faculty	Client Organization	Title of consultancy Project	Amount
K. Veera Raghavulu	Trifolex consultancy PVT-Ltd	Development of fire fighting Design and detail Engg services	312000.

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:	6 10 10 4LPA 3LPA 2.5LPA 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:	Yes Yes Yes
	Signatures of the External Members	

Comments:

1. Motivate Students for higher Education
2. To Increase number of publications.

22-23 I

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

A.Y 2022-2023

Date: 24/06/2023

Name of the Department	:	Electronics & Communication Engineering
Address of the Institute	:	MLRITM, Dundigal, Hyderabad.
Date and time of visit	:	24/6/2023, 10:30AM
External Members of the Audit Committee	:	Dr. P. Venkat Reddy
	:	Dr. P. Ashok Babu (JARE)
	:	

NAME OF THE DEPARTMENT: Electronics & Communication Engineering

PART-II: ACADEMIC INFORMATION

S.No	Particular	Remarks
1	**Curricular Aspects** (a) Course Offered Name of the Course: Intake B.Tech: 180 M. Tech: 12 (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:	13.57 46
	(c) Teaching Experience of the Faculty in the institute: Attached:	
	(d) Details of Supporting Staff: i) Lab Assistants: ii) Assistant programmers:	07 –
3	**Teaching – Learning:** a) Availability of Course Files: b) Student Assignments: c) Tutorial classes:	yes yes yes

Faculty	**Male**	**Female**
Professors	02	
Associate professors	06	
Assistant professors	19	19

Experience	>10 years	5-10yrs	2-5 years	<2years
No. of Faculty	05	15	17	09

	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	yes
	Of ICT: PPT, Smart TV:	
	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): (f) Number of PCs: (g) Software available: (h) No of Printers/Scanners: (i) Availability of updated Stock registers :	04 102 05 04 Yes
5	**Report on Student Results:** **a) Report on overall Results (B.Tech)** **(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:	58.38%. – 79.49%. – 60.20 – 60%. –

Metric	Result
Overall Pass Percentage	64.51%.
Distinctions	33.82%.
First Classes	26.6%.

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

Metric	Result
Overall Pass Percentage	100%
Distinctions	100%
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:	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):** (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 Leavefor participation in FDPs Conferences Workshops etc.:**	09

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:**	05 09

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 Schedule Tribe (ST) Community in Narsampet	Dr. G. Amarnath	Govt. of India	2,92,69,113	ongoing

	(e). Report on Consultancy details: **Name of Faculty** / **Client Organization** / **Title of consultancy Project** / **Amount** Dr. G. Amarnath / Vermaja India pvt. Ltd / Development of IOT based data logger for Comprehensive temparature monitoring / 1,80,000 ( ) / ( ) / ( ) / ( )	
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 52 52 6,50,000 3,00,000 3,60,000 — 04.

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** Motivating students to utilize digital platforms like NPTEL, Swayam and virtual labs	
13	Signatures of the External Members	

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INTERNAL QUALITYASSURANCE CENTRE

ACADEMIC AND ADMINISTRATIVE AUDIT

Part-I: PRELIMINARY INFORMATION

Date: 29/11/2023

Name of the Department	:	Electronics & Communication Engineering
Address of the Institute	:	MLRITM, Dundigal, Hyderabad
Date and time of visit	:	29/11/2023, 10AM
External Members of the Audit Committee	:	Dr. P. Venkat Reddy
	:	Dr. P. Ashok Babu (IARE)
	:	

NAME OF THE DEPARTMENT: Electronics & Communication Engineering

PART-II: ACADEMIC INFORMATION

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

	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

	(c) Coverage of Syllabus: (d) Report (with evidences) on latest changes brought in the revision of curriculum and syllabus: R20 Regulation to R22 Regulation	yes yes
2	**Faculty Status:** **Total Faculty:** **Available as per AICTE/JNTUH Registration:** (a) Teacher: Student Ratio: (b) Faculty Information: (c) Teaching Experience of the Faculty in the institute: Attached: (d) Details of Supporting Staff: i) Lab Assistants: ii) Assistant programmers:	13.57 46 07 —
3	**Teaching – Learning:** a) Availability of Course Files: b) Student Assignments: c) Tutorial classes:	yes yes yes

Faculty	Male	Female
Professors	02	
Associate professors	06	
Assistant professors	19	19

Experience	>10 years	5-10yrs	2-5 years	<2years
No. of Faculty	05	15	17	09

	(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	65.79%
Distinctions	52.51%
First Classes	29.79%

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

- I Semester Pass %: —
- II Semester Pass %: 62.23%
- III Semester Pass %: —
- IV Semester Pass %: 79.49%
- V Semester Pass %: —
- VI Semester Pass%: 62.44%
- VII Semester Pass %: —
- VIII Semester Pass %: 58.9%

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 %:

Number of Students discontinued the program:

6 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):** (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 Leavefor participation in FDPs Conferences Workshops etc.:**	27 03

8

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:

(ii) Granted:

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

Title	Name of PI & CO-PI	Funding agency	Amount	Status
Development of Wireless Sensor network with Cognitive radio functionalities	Dr. N. Srinivas	SERB	15,78,500	ongoing
Agri Innovation hub for Scheduled Tribes (ST) Community	Dr. G Amarnath	Govt. of India	2,98,69,113	ongoing

	(e). Report on Consultancy details: **Name of Faculty** / **Client Organization** / **Title of consultancy Project** / **Amount** Dr. G. Amarnath / Vemasa India pvt. ltd / Development of IOT based data logger for comprehensive temperature monitoring / 1,80,000 ( ) / ( ) / ( ) / ( )	
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:	 16 100 100 6,50,000 3,00,000 3,60,000 — 04

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** Some faculty using ICT Tools effectively, while others were encouraged to incorporate audio visual aids, online resources in their teaching	
13	Signatures of the External Members	