

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Yes. Improvements after AQAR 2021 – 2022: In addition to the current utilization of ICT tools, the institution has significantly enhanced its capabilities through the incorporation of various online ICT tools such as Canvas, Edpuzzle, digital trackpads, and virtual meeting platforms. This progression reflects the institute's commitment to establishing a robust digital learning ecosystem. Faculty members are actively embracing e-course files, online assignment submissions, online quizzes, online assessments, and online grading, among other practices. These ongoing best practices, driven by ICT tools, have led the institution to achieve the prestigious QS I-Gauge E-Lead Certification with a remarkable score of 144 out of 150. Also, a formal MoU is also signed with an esteemed organization of National repute, i.e. National Institute for Technical Teachers' Training and Research (NITTTR) in Chennai, and a three-months long training (Blended mode) also provided to the members of the faculty to deploy ICT tools enabled open book examinations in line with the core values of outcome based education. As a result of the training Programme, the teachers have developed rubrics for assessment for few courses considering the key performance indicators for open ended assessment instruments promoting higher order thinking skills.



Open Ended Assessment Instrument
Rubrics for the course Heat Transfer (20ME603)

ROLL NO

Criteria	Exemplary (4)	Good (3)	Developing (2)	Un-Satisfactory (1)	Score				
					CO 1	2	3	4	5
A Examine / recognize the concept and problem related to the course Heat Transfer CO: 20ME603.1 – 20ME603.5	Identified the problem statement related to the course heat transfer and able to analyse the data completely by suggesting a suitable method to solve the problem statement	Able to identify the problem statement related to the course heat transfer and analyse the data up to a certain extent and comprehend the types of methodologies to be used to solve the problem statement	Able to identify the problem statement related to the modes of heat transfer, but unable to analyse	Unable to understand and identify the problem statement related to the course heat transfer					
B Recognize the procedure/ process / technique / and substitute the data to solve the problem related to the course Heat Transfer CO: 20ME603.1 – 20ME603.5	Identified an appropriate method to solve the problem and substituted the data accordingly.	Identified the near right approach / method to the problem statement to solve the problem, but occasionally failed to substitute the data without having proper understanding on the limitations of the method leading to a wrong solution	Discovered an incorrect approach and unable to appropriately substitute the data.	Unable to identify the method / procedure viz. Modes of heat transfer to solve the problem related to the course heat transfer					
C Exercising/solving mathematical functions in order to arrive at ultimate solutions CO: 20ME603.1 – 20ME603.5	Capable of comprehensively analyzing the problem statement and achieving the necessary solution with a thorough understanding	Able to solve the required mathematical function but failed to attain the solution	Often fail to derive the mathematical function due to wrong substitution of data and further analysis	Unable to apply / derive the necessary mathematical functions to solve the problem related to the course heat transfer					
Signature of Faculty		Total Score							



Certificate No: 2022-SSPDP-23/02

National Institute of Technical Teachers Training and Research, Chennai

(Ministry of Education, Government of India)

Certificate of Participation



This is to certify that

V V S S R KRISHNA MURTHY CH

Assistant Professor in Mechanical Engineering

Nadimpalli Satyanarayana Raju Institute of Technology, Visakhapatnam, AP

Participated in the Professional Development Programme on

“Open Book Examination”

Conducted by this Institute

from 04.01.2023 to 06.01.2023 (Phase - I)

at Nadimpalli Satyanarayana Raju Institute of Technology, Visakhapatnam, AP



06.01.2023

K.S. G. Srinivasan

Course Coordinator

Ushagatesan

Director



Certificate No: 2022-SSPDP-23/02

National Institute of Technical Teachers Training and Research, Chennai

(Ministry of Education, Government of India)

Certificate of Participation



This is to certify that

V V S S R KRISHNA MURTHY CH

Assistant Professor in Mechanical Engineering

Nadimpalli Satyanarayana Raju Institute of Technology, Visakhapatnam, AP

Participated in the Professional Development Programme on

“Open Book Examination”

Conducted by this Institute

Between 02, 09, 16, 23 February & 24th March, 2023 for five days

and two hours per day Through Online mode (Phase - II)



24.03.2023

K.S. G. Madhavan

Course Coordinator

Ushagatesan

Director



Certificate No: 2022-SSPDP-23/02

National Institute of Technical Teachers Training and Research, Chennai

(Ministry of Education, Government of India)

Certificate of Participation



This is to certify that

V V S S R KRISHNA MURTHY CH

Assistant Professor in Mechanical Engineering

Nadimpalli Satyanarayana Raju Institute of Technology, Visakhapatnam, AP

Participated in the Professional Development Programme on

“Open Book Examination”

Conducted by this Institute

from 17.05.2023 to 19.05.2023 (Phase - III)

at Nadimpalli Satyanarayana Raju Institute of Technology, Visakhapatnam, AP



19.05.2023

K.S. G. Srinivasan

Course Coordinator

Ushagatesan

Director



Certificate No: 2022-SSPDP-23/04

National Institute of Technical Teachers Training and Research, Chennai

(Ministry of Education, Government of India)

Certificate of Participation



This is to certify that

EARLI MANEMMA

**Assistant Professor in Electronics and Communication Engineering
Nadimpalli Satyanarayana Raju Institute of Technology, Visakhapatnam, AP**

Participated in the Professional Development Programme on

“Open Book Examination”

Conducted by this Institute

Between 02, 09, 16, 23 February & 24th March, 2023 for five days
and two hours per day Through Online mode (Phase - II)



24.03.2023

K.S. G. Madhavan

Course Coordinator

Ushagatesan

Director





Certificate No: 2022-SSPDP-23/04

National Institute of Technical Teachers Training and Research, Chennai

(Ministry of Education, Government of India)

Certificate of Participation



This is to certify that

EARLI MANEMMA

**Assistant Professor in Electronics and Communication Engineering
Nadimpalli Satyanarayana Raju Institute of Technology, Visakhapatnam, AP**

Participated in the Professional Development Programme on

“Open Book Examination”

Conducted by this Institute

from 17.05.2023 to 19.05.2023 (Phase - III)

at Nadimpalli Satyanarayana Raju Institute of Technology, Visakhapatnam, AP



19.05.2023

K.S. G. Srinivasan

Course Coordinator

Ushagatesan

Director



Certificate No: 2022-SSPDP-23/04

National Institute of Technical Teachers Training and Research, Chennai

(Ministry of Education, Government of India)

Certificate of Participation



This is to certify that

EARLI MANEMMA

**Assistant Professor in Electronics and Communication Engineering
Nadimpalli Satyanarayana Raju Institute of Technology, Visakhapatnam, AP**

Participated in the Professional Development Programme on

“Open Book Examination”

Conducted by this Institute

from 04.01.2023 to 06.01.2023 (Phase - I)

at Nadimpalli Satyanarayana Raju Institute of Technology, Visakhapatnam, AP



06.01.2023

K.S. G. Madhavan

Course Coordinator

Ushagatesan

Director