



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi

NAAC Accredited with A+ Grade, NIRF India Rankings 2025 - Band: 201-300 (Engg.)

NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACTION TAKEN REPORT BASED ON FEEDBACK FROM STAKEHOLDERS

Academic Year 2024-2025

S.No.	Feedback	Action Taken	Outcomes/Achievements
1	Students requested to upgrade the system configuration in Lab No. 12.	Laboratory No. 12 in the Circular Block was upgraded with 72 new workstations.	The upgraded laboratory is being effectively utilized by the students.
2	Both faculty members and students requested an enhancement of the internet bandwidth.	The internet bandwidth was increased from 1 Gbps to 2 Gbps.	The upgraded bandwidth is being effectively utilized by all students and faculty members for academic and research purposes.
3	Students are requested to conduct GATE training during working hours instead of between 4 PM to 6 PM.	GATE training was conducted for interested students during working hours from 3:00 PM to 5:00 PM. Furthermore, test series were procured from an academy so that students could take periodic mock tests.	A total of nine students successfully qualified for the GATE 2025 examination.
4	Students are requested to seek industry involvement in internships and projects to gain real-time experience.	We executed four Memoranda of Understanding (MOUs) with industry partners.	Students are undergoing internships with the industries where Memoranda of Understanding (MOUs) were signed.
5	Alumni and industry experts recommended adding an additional hour to the Python skill enhancement course.	An additional hour has been allotted for the Python Skill Enhancement course.	Students gained additional practice time, which improved their understanding of Python concepts and programming skills.
6	Faculty members have requested that a program be organized on the process of filing patents and applying for funded projects.	The R&D Department has organized a one-day workshop on IPR: Patentability, Patent Drafting, and Patent Filing Procedure.	A total of 10 patents have been published.

S.No	Feedback	Action Taken	Outcomes/Achievements
7	Alumni and industry experts recommended that students prioritize upskilling in emerging areas.	We instructed students to complete certifications from online platforms (such as Swayam, NPTEL, or EdX) or to pursue internships at reputed organizations.	<p>This year, many students successfully completed online certifications, demonstrating their commitment to continuous learning and skill development. Additionally, a few students also pursued internships at prestigious institutions like NIT and NITTTR.</p> <p>NPTEL: 1127 NIT & NITTTR Internship : 06</p>
8	Both alumni and industry experts have suggested that students should actively participate in various events such as paper presentations and project expos held across the state.	We advised the students to participate in various technical events such as conferences, quiz, paper presentations, and project expos to enhance their technical exposure and networking opportunities.	A total of 94 students participated in various events, and 12 students won prizes in these events.



HoD/CSE
 Head of the Department
 Computer Science & Engineering
 Madanapalle Institute of Technology & Science
 MADAPALLE - 517 325



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Department of Computer Science & Engineering

List of GATE – 2025 Qualified Students

S.No.	Register No.	Student Name	Qualified Paper	Registration No.
1	22691A05A4	E Lakshman sai	CS	CS25S17127163
2	22691A05B5	V Mahesh Kumar	CS	CS25S17114018
3	22691A05I1	E Reddy Rohith	CS	CS25S27129142
4	22691A05M8	M Tanu Shree	CS, DA	CS25S27130035, DA25S57130101
5	22691A05N6	C Vaishnavi	CS	CS25S17103063
6	21691A0547	E Gegarin Sai	CS	CS25S17127196
7	21691A05D5	A Pavan Kumar	DA	DA25S57114067
8	21691A05D7	CH Pavan Kumar	CS	CS25S27130136
9	21691A05F6	Boya Raghuvvera	CS	CS25S11204254

Head of the Department

Computer Science & Engineering
Madanapalle Institute of Technology & Science
MADANAPALLE-517 325.



GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

Name of the Candidate	LAKSHMAN SAI ELISETTY
Name of the Parent/Guardian	E SUNITHA
Registration No.	CS25S17127163
Date of Birth	January 31, 2004
Test Paper	Computer Science and Information Technology (CS)
Date of Examination	February 1, 2025
GATE Score	354
*Marks out of 100	29.57



All India Rank (AIR) in the test paper:	21149	Qualifying Marks	
Number of candidates appeared for the test paper:	170825	General:	29.2
		EWS/OBC-NCL:	26.2
		SC/ST/PwD:	19.4

E. Lakshman Sai

*Normalised marks across two sessions of the test paper

Prof. P. Arunigam
Organising Chairperson, GATE 2025
On behalf of NCB-GATE
Ministry of Education (MoE)



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A candidate is considered **qualified** if the marks secured are greater than or equal to the qualifying marks mentioned for the category, for which a valid category certificate, if applicable, must be produced along with this Score Card.

This Score Card is valid up to 31st March 2028.

GATE SCORE COMPUTATION

The GATE 2025 score is calculated using the formula:

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

M is the normalised marks obtained by the candidate in the test paper mentioned on the GATE 2025 Score Card

M_q is the qualifying marks for general category candidates in the test paper

\bar{M}_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of all the candidates who appeared in the test paper

$S_q = 350$, is the score assigned to M_q , and

$S_t = 900$, is the score assigned to \bar{M}_t

In the GATE 2025 score formula, the qualifying marks (M_q) for the general category candidate in each subject will be :
Cut-off marks for GENERAL category = $\max(25, \min(40, \mu + \sigma))$. Here μ is the mean and σ is the standard deviation of positive marks of all the candidates who appeared in the test paper.



GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

COMPUTATION OF NORMALISED MARKS

Computer Science and Information Technology (CS) and Civil Engineering (CE) were conducted in two sessions in GATE 2025. For such multisession papers, a suitable normalisation is applied to take into account any variation in the difficulty levels of the question papers across sessions. The normalisation is done based on the assumption that, in multisession GATE papers, the distribution of the abilities of the candidates is nearly the same across sessions. This assumption is reasonable because the number of candidates appearing for the test papers is large, the number of candidates allotted to the sessions are comparable, and the procedure for allocation of candidates to the sessions is random.

The normalised marks of the j^{th} candidate in the i^{th} session, denoted by \widehat{M}_{ij} , are computed as

$$\widehat{M}_{ij} = \frac{\overline{M}_i^q - M_q^q}{\overline{M}_{ii} - M_{iq}} (M_{ij} - M_{iq}) + M_q^q$$

where

M_{ij} is the actual marks obtained by the j^{th} candidate in the i^{th} session

\overline{M}_i^q is the average marks of the top 0.1% of the candidates considering all sessions

M_q^q is the sum of mean and standard deviation marks of the candidates in the test paper considering all sessions

\overline{M}_{ii} is the average marks of the top 0.1% of the candidates in the i^{th} session

M_{iq} is the sum of the mean marks and standard deviation marks of the i^{th} session.

Qualifying in GATE 2025 does not guarantee admission to a postgraduate program or scholarship/financial assistance. Admitting institutes may conduct additional tests or interviews for final selection of candidates.

Graduate Aptitude Test in Engineering (GATE) 2025 was organised by Indian Institute of Technology Roorkee on behalf of National Coordination Board (NCB) - GATE for the Department of Higher Education, Ministry of Education (MoE), Government of India.



GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

Name of the Candidate	VAILETI MAHESH KUMAR
Name of the Parent/Guardian	V SURYA NARAYANA
Registration No.	CS25S17114018
Date of Birth	April 2, 2004
Test Paper	Computer Science and Information Technology (CS)
Date of Examination	February 1, 2025
GATE Score	426
*Marks out of 100	36.72



All India Rank (AIR) in the test paper:	12156	Qualifying Marks	
Number of candidates appeared for the test paper:	170825	General:	29.2
		EWS/OBC-NCL:	26.2
		SC/ST/PwD:	19.4



*Normalised marks across two sessions of the test paper

Prof. P. Arunigam
Organising Chairperson, GATE 2025
On behalf of NCB-GATE
Ministry of Education (MoE)



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This Score Card is valid up to 31st March 2028.

GATE SCORE COMPUTATION

The GATE 2025 score is calculated using the formula:

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

M is the normalised marks obtained by the candidate in the test paper mentioned on the GATE 2025 Score Card

M_q is the qualifying marks for general category candidates in the test paper

\bar{M}_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of all the candidates who appeared in the test paper

$S_q = 350$, is the score assigned to M_q , and

$S_t = 900$, is the score assigned to \bar{M}_t

In the GATE 2025 score formula, the qualifying marks (M_q) for the general category candidate in each subject will be :
Cut-off marks for GENERAL category = $\max(25, \min(40, \mu + \sigma))$. Here μ is the mean and σ is the standard deviation of positive marks of all the candidates who appeared in the test paper.



GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

COMPUTATION OF NORMALISED MARKS

Computer Science and Information Technology (CS) and Civil Engineering (CE) were conducted in two sessions in GATE 2025. For such multisession papers, a suitable normalisation is applied to take into account any variation in the difficulty levels of the question papers across sessions. The normalisation is done based on the assumption that, in multisession GATE papers, the distribution of the abilities of the candidates is nearly the same across sessions. This assumption is reasonable because the number of candidates appearing for the test papers is large, the number of candidates allotted to the sessions are comparable, and the procedure for allocation of candidates to the sessions is random.

The normalised marks of the j^{th} candidate in the i^{th} session, denoted by \widehat{M}_{ij} , are computed as

$$\widehat{M}_{ij} = \frac{\overline{M}_i^q - M_q^q}{\overline{M}_{ii} - M_{iq}} (M_{ij} - M_{iq}) + M_q^q$$

where

M_{ij} is the actual marks obtained by the j^{th} candidate in the i^{th} session

\overline{M}_i^q is the average marks of the top 0.1% of the candidates considering all sessions

M_q^q is the sum of mean and standard deviation marks of the candidates in the test paper considering all sessions

\overline{M}_{ii} is the average marks of the top 0.1% of the candidates in the i^{th} session

M_{iq} is the sum of the mean marks and standard deviation marks of the i^{th} session.

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Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

Name of the Candidate	ENDULURI REDDY ROHITH
Name of the Parent/Guardian	ENDULURI JAYA CHANDRA NAIDU
Registration No.	CS25S27129142
Date of Birth	May 31, 2004
Test Paper	Computer Science and Information Technology (CS)
Date of Examination	February 1, 2025
GATE Score	385
*Marks out of 100	32.65



All India Rank (AIR) in the test paper:	16522	Qualifying Marks	
Number of candidates appeared for the test paper:	170825	General:	29.2
		EWS/OBC-NCL:	26.2
		SC/ST/PwD:	19.4

E. Reddy Rohith

*Normalised marks across two sessions of the test paper

Prof. P. Arunigam
Organising Chairperson, GATE 2025
On behalf of NCB-GATE
Ministry of Education (MoE)



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This Score Card is valid up to 31st March 2028.

GATE SCORE COMPUTATION

The GATE 2025 score is calculated using the formula:

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

M is the normalised marks obtained by the candidate in the test paper mentioned on the GATE 2025 Score Card

M_q is the qualifying marks for general category candidates in the test paper

\bar{M}_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of all the candidates who appeared in the test paper

$S_q = 350$, is the score assigned to M_q , and

$S_t = 900$, is the score assigned to \bar{M}_t

In the GATE 2025 score formula, the qualifying marks (M_q) for the general category candidate in each subject will be :
Cut-off marks for GENERAL category = $\max(25, \min(40, \mu + \sigma))$. Here μ is the mean and σ is the standard deviation of positive marks of all the candidates who appeared in the test paper.



GRADUATE APTITUDE TEST IN ENGINEERING 2025

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Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

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$$\widehat{M}_{ij} = \frac{\overline{M}_i^a - M_q^a}{\overline{M}_{ii} - M_{iq}} (M_{ij} - M_{iq}) + M_q^a$$

where

M_{ij} is the actual marks obtained by the j^{th} candidate in the i^{th} session

\overline{M}_i^a is the average marks of the top 0.1% of the candidates considering all sessions

M_q^a is the sum of mean and standard deviation marks of the candidates in the test paper considering all sessions

\overline{M}_{ii} is the average marks of the top 0.1% of the candidates in the i^{th} session

M_{iq} is the sum of the mean marks and standard deviation marks of the i^{th} session.

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GRADUATE APTITUDE TEST IN ENGINEERING 2025

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Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

Name of the Candidate	TANU SHREE MAAMIDIKUNTLA
Name of the Parent/Guardian	MAAMIDIKUNTLA VASU DEVA KUMAR
Registration No.	CS25S27130035
Date of Birth	April 24, 2005
Test Paper	Computer Science and Information Technology (CS)
Date of Examination	February 1, 2025
GATE Score	377
*Marks out of 100	31.83



All India Rank (AIR) in the test paper:	17750	Qualifying Marks	
Number of candidates appeared for the test paper:	170825	General:	29.2
		EWS/OBC-NCL:	26.2
		SC/ST/PwD:	19.4

M. TanuShree

*Normalised marks across two sessions of the test paper

Prof. P. Arunigam
Organising Chairperson, GATE 2025
On behalf of NCB-GATE
Ministry of Education (MoE)



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GATE SCORE COMPUTATION

The GATE 2025 score is calculated using the formula:

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

M is the normalised marks obtained by the candidate in the test paper mentioned on the GATE 2025 Score Card

M_q is the qualifying marks for general category candidates in the test paper

\bar{M}_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of all the candidates who appeared in the test paper

$S_q = 350$, is the score assigned to M_q , and

$S_t = 900$, is the score assigned to \bar{M}_t

In the GATE 2025 score formula, the qualifying marks (M_q) for the general category candidate in each subject will be :
Cut-off marks for GENERAL category = $\max(25, \min(40, \mu + \sigma))$. Here μ is the mean and σ is the standard deviation of positive marks of all the candidates who appeared in the test paper.



GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

COMPUTATION OF NORMALISED MARKS

Computer Science and Information Technology (CS) and Civil Engineering (CE) were conducted in two sessions in GATE 2025. For such multisession papers, a suitable normalisation is applied to take into account any variation in the difficulty levels of the question papers across sessions. The normalisation is done based on the assumption that, in multisession GATE papers, the distribution of the abilities of the candidates is nearly the same across sessions. This assumption is reasonable because the number of candidates appearing for the test papers is large, the number of candidates allotted to the sessions are comparable, and the procedure for allocation of candidates to the sessions is random.

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where

M_{ij} is the actual marks obtained by the j^{th} candidate in the i^{th} session

\overline{M}_i^q is the average marks of the top 0.1% of the candidates considering all sessions

M_q^q is the sum of mean and standard deviation marks of the candidates in the test paper considering all sessions

\overline{M}_{ii} is the average marks of the top 0.1% of the candidates in the i^{th} session

M_{iq} is the sum of the mean marks and standard deviation marks of the i^{th} session.

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GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

Name of the Candidate	TANU SHREE MAAMIDIKUNTLA
Name of the Parent/Guardian	MAAMIDIKUNTLA VASU DEVA KUMAR
Registration No.	DA25S57130101
Date of Birth	April 24, 2005
Test Paper	Data Science and Artificial Intelligence (DA)
Date of Examination	February 15, 2025
GATE Score	362
Marks out of 100	30.0



All India Rank (AIR) in the test paper:	7448	Qualifying Marks	
Number of candidates appeared for the test paper:	57054	General:	29.0
		EWS/OBC-NCL:	26.1
		SC/ST/PwD:	19.3

M. TanuShree

Prof. P. Arunigam
Organising Chairperson, GATE 2025
On behalf of NCB-GATE
Ministry of Education (MoE)



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GATE SCORE COMPUTATION

The GATE 2025 score is calculated using the formula:

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

M is the marks obtained by the candidate in the test paper mentioned on the GATE 2025 Score Card

M_q is the qualifying marks for general category candidates in the test paper

\bar{M}_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of all the candidates who appeared in the test paper

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In the GATE 2025 score formula, the qualifying marks (M_q) for the general category candidate in each subject will be :
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अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

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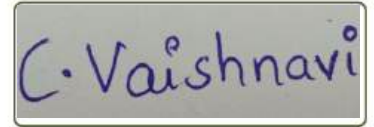


SCORE CARD

Name of the Candidate	C VAISHNAVI
Name of the Parent/Guardian	C MADHUSUDHANA
Registration No.	CS25S17103063
Date of Birth	November 27, 2004
Test Paper	Computer Science and Information Technology (CS)
Date of Examination	February 1, 2025
GATE Score	331
*Marks out of 100	27.29



All India Rank (AIR) in the test paper:	25594	Qualifying Marks	
Number of candidates appeared for the test paper:	170825	General:	29.2
		EWS/OBC-NCL:	26.2
		SC/ST/PwD:	19.4



*Normalised marks across two sessions of the test paper

Prof. P. Arunigam
Organising Chairperson, GATE 2025
On behalf of NCB-GATE
Ministry of Education (MoE)



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GATE SCORE COMPUTATION

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$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

M is the normalised marks obtained by the candidate in the test paper mentioned on the GATE 2025 Score Card

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Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

COMPUTATION OF NORMALISED MARKS

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where

M_{ij} is the actual marks obtained by the j^{th} candidate in the i^{th} session

\overline{M}_i^q is the average marks of the top 0.1% of the candidates considering all sessions

M_q^q is the sum of mean and standard deviation marks of the candidates in the test paper considering all sessions

\overline{M}_{ii} is the average marks of the top 0.1% of the candidates in the i^{th} session

M_{iq} is the sum of the mean marks and standard deviation marks of the i^{th} session.

Qualifying in GATE 2025 does not guarantee admission to a postgraduate program or scholarship/financial assistance. Admitting institutes may conduct additional tests or interviews for final selection of candidates.

Graduate Aptitude Test in Engineering (GATE) 2025 was organised by Indian Institute of Technology Roorkee on behalf of National Coordination Board (NCB) - GATE for the Department of Higher Education, Ministry of Education (MoE), Government of India.



GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

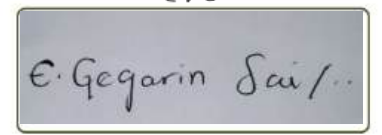


SCORE CARD

Name of the Candidate	E GEGARIN SAI
Name of the Parent/Guardian	E RIPENDRA REDDY
Registration No.	CS25S17127196
Date of Birth	February 20, 2004
Test Paper	Computer Science and Information Technology (CS)
Date of Examination	February 1, 2025
GATE Score	327
*Marks out of 100	26.97



All India Rank (AIR) in the test paper:	25928	Qualifying Marks	
Number of candidates appeared for the test paper:	170825	General:	29.2
		EWS/OBC-NCL:	26.2
		SC/ST/PwD:	19.4



*Normalised marks across two sessions of the test paper

P. Arunigam

Prof. P. Arunigam
Organising Chairperson, GATE 2025
On behalf of NCB-GATE
Ministry of Education (MoE)



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A candidate is considered **qualified** if the marks secured are greater than or equal to the qualifying marks mentioned for the category, for which a valid category certificate, if applicable, must be produced along with this Score Card.

This Score Card is valid up to 31st March 2028.

GATE SCORE COMPUTATION

The GATE 2025 score is calculated using the formula:

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

- M is the normalised marks obtained by the candidate in the test paper mentioned on the GATE 2025 Score Card
- M_q is the qualifying marks for general category candidates in the test paper
- \bar{M}_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of all the candidates who appeared in the test paper
- S_q = 350, is the score assigned to M_q, and
- S_t = 900, is the score assigned to \bar{M}_t

In the GATE 2025 score formula, the qualifying marks (M_q) for the general category candidate in each subject will be :
Cut-off marks for GENERAL category = max(25, min(40, μ + σ)). Here μ is the mean and σ is the standard deviation of positive marks of all the candidates who appeared in the test paper.



GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

COMPUTATION OF NORMALISED MARKS

Computer Science and Information Technology (CS) and Civil Engineering (CE) were conducted in two sessions in GATE 2025. For such multisession papers, a suitable normalisation is applied to take into account any variation in the difficulty levels of the question papers across sessions. The normalisation is done based on the assumption that, in multisession GATE papers, the distribution of the abilities of the candidates is nearly the same across sessions. This assumption is reasonable because the number of candidates appearing for the test papers is large, the number of candidates allotted to the sessions are comparable, and the procedure for allocation of candidates to the sessions is random.

The normalised marks of the j^{th} candidate in the i^{th} session, denoted by \widehat{M}_{ij} , are computed as

$$\widehat{M}_{ij} = \frac{\overline{M}_i^a - M_q^a}{\overline{M}_{ii} - M_{iq}} (M_{ij} - M_{iq}) + M_q^a$$

where

M_{ij} is the actual marks obtained by the j^{th} candidate in the i^{th} session

\overline{M}_i^a is the average marks of the top 0.1% of the candidates considering all sessions

M_q^a is the sum of mean and standard deviation marks of the candidates in the test paper considering all sessions

\overline{M}_{ii} is the average marks of the top 0.1% of the candidates in the i^{th} session

M_{iq} is the sum of the mean marks and standard deviation marks of the i^{th} session.

Qualifying in GATE 2025 does not guarantee admission to a postgraduate program or scholarship/financial assistance. Admitting institutes may conduct additional tests or interviews for final selection of candidates.

Graduate Aptitude Test in Engineering (GATE) 2025 was organised by Indian Institute of Technology Roorkee on behalf of National Coordination Board (NCB) - GATE for the Department of Higher Education, Ministry of Education (MoE), Government of India.



GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

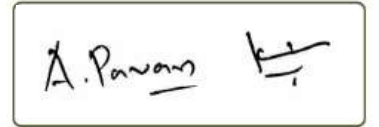


SCORE CARD

Name of the Candidate	PAVAN KUMAR ALLAM
Name of the Parent/Guardian	A SREENIVASA PRASAD
Registration No.	DA25S57114067
Date of Birth	November 15, 2003
Test Paper	Data Science and Artificial Intelligence (DA)
Date of Examination	February 15, 2025
GATE Score	338
Marks out of 100	28.0



All India Rank (AIR) in the test paper:	9229	Qualifying Marks	
Number of candidates appeared for the test paper:	57054	General:	29.0
		EWS/OBC-NCL:	26.1
		SC/ST/PwD:	19.3



Prof. P. Arunigam
Organising Chairperson, GATE 2025
On behalf of NCB-GATE
Ministry of Education (MoE)



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A candidate is considered **qualified** if the marks secured are greater than or equal to the qualifying marks mentioned for the category, for which a valid category certificate, if applicable, must be produced along with this Score Card.

This Score Card is valid up to 31st March 2028.

GATE SCORE COMPUTATION

The GATE 2025 score is calculated using the formula:

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

M is the marks obtained by the candidate in the test paper mentioned on the GATE 2025 Score Card

M_q is the qualifying marks for general category candidates in the test paper

\bar{M}_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of all the candidates who appeared in the test paper

$S_q = 350$, is the score assigned to M_q , and

$S_t = 900$, is the score assigned to \bar{M}_t

In the GATE 2025 score formula, the qualifying marks (M_q) for the general category candidate in each subject will be :
Cut-off marks for GENERAL category = $\max(25, \min(40, \mu + \sigma))$. Here μ is the mean and σ is the standard deviation of positive marks of all the candidates who appeared in the test paper.

Qualifying in GATE 2025 does not guarantee admission to a postgraduate program or scholarship/financial assistance. Admitting institutes may conduct additional tests or interviews for final selection of candidates.

Graduate Aptitude Test in Engineering (GATE) 2025 was organised by Indian Institute of Technology Roorkee on behalf of National Coordination Board (NCB) - GATE for the Department of Higher Education, Ministry of Education (MoE), Government of India.



GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

Name of the Candidate	CHUKKALA PAVAN KUMAR
Name of the Parent/Guardian	CHUKKALA SUBBARAO
Registration No.	CS25S27130136
Date of Birth	February 9, 2004
Test Paper	Computer Science and Information Technology (CS)
Date of Examination	February 1, 2025
GATE Score	264
*Marks out of 100	20.78



All India Rank (AIR) in the test paper:	43323	Qualifying Marks	
Number of candidates appeared for the test paper:	170825	General:	29.2
		EWS/OBC-NCL:	26.2
		SC/ST/PwD:	19.4



*Normalised marks across two sessions of the test paper

Prof. P. Arunigam
Organising Chairperson, GATE 2025
On behalf of NCB-GATE
Ministry of Education (MoE)



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A candidate is considered **qualified** if the marks secured are greater than or equal to the qualifying marks mentioned for the category, for which a valid category certificate, if applicable, must be produced along with this Score Card.

This Score Card is valid up to 31st March 2028.

GATE SCORE COMPUTATION

The GATE 2025 score is calculated using the formula:

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

M is the normalised marks obtained by the candidate in the test paper mentioned on the GATE 2025 Score Card

M_q is the qualifying marks for general category candidates in the test paper

\bar{M}_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of all the candidates who appeared in the test paper

$S_q = 350$, is the score assigned to M_q , and

$S_t = 900$, is the score assigned to \bar{M}_t

In the GATE 2025 score formula, the qualifying marks (M_q) for the general category candidate in each subject will be :
Cut-off marks for GENERAL category = $\max(25, \min(40, \mu + \sigma))$. Here μ is the mean and σ is the standard deviation of positive marks of all the candidates who appeared in the test paper.



GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

COMPUTATION OF NORMALISED MARKS

Computer Science and Information Technology (CS) and Civil Engineering (CE) were conducted in two sessions in GATE 2025. For such multisession papers, a suitable normalisation is applied to take into account any variation in the difficulty levels of the question papers across sessions. The normalisation is done based on the assumption that, in multisession GATE papers, the distribution of the abilities of the candidates is nearly the same across sessions. This assumption is reasonable because the number of candidates appearing for the test papers is large, the number of candidates allotted to the sessions are comparable, and the procedure for allocation of candidates to the sessions is random.

The normalised marks of the j^{th} candidate in the i^{th} session, denoted by \widehat{M}_{ij} , are computed as

$$\widehat{M}_{ij} = \frac{\overline{M}_i^q - M_q^q}{\overline{M}_{ii} - M_{iq}} (M_{ij} - M_{iq}) + M_q^q$$

where

M_{ij} is the actual marks obtained by the j^{th} candidate in the i^{th} session

\overline{M}_i^q is the average marks of the top 0.1% of the candidates considering all sessions

M_q^q is the sum of mean and standard deviation marks of the candidates in the test paper considering all sessions

\overline{M}_{ii} is the average marks of the top 0.1% of the candidates in the i^{th} session

M_{iq} is the sum of the mean marks and standard deviation marks of the i^{th} session.

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GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

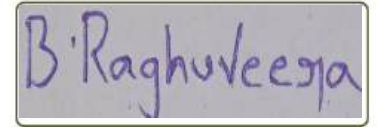


SCORE CARD

Name of the Candidate	BOYA RAGHUVEEERA
Name of the Parent/Guardian	BOYA CHINNA RANGANNA
Registration No.	CS25S11204254
Date of Birth	April 23, 2004
Test Paper	Computer Science and Information Technology (CS)
Date of Examination	February 1, 2025
GATE Score	268
*Marks out of 100	21.12



All India Rank (AIR) in the test paper:	42243	Qualifying Marks	
Number of candidates appeared for the test paper:	170825	General:	29.2
		EWS/OBC-NCL:	26.2
		SC/ST/PwD:	19.4



*Normalised marks across two sessions of the test paper

Prof. P. Arunigam
Organising Chairperson, GATE 2025
On behalf of NCB-GATE
Ministry of Education (MoE)



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A candidate is considered **qualified** if the marks secured are greater than or equal to the qualifying marks mentioned for the category, for which a valid category certificate, if applicable, must be produced along with this Score Card.

This Score Card is valid up to 31st March 2028.

GATE SCORE COMPUTATION

The GATE 2025 score is calculated using the formula:

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

M is the normalised marks obtained by the candidate in the test paper mentioned on the GATE 2025 Score Card

M_q is the qualifying marks for general category candidates in the test paper

\bar{M}_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of all the candidates who appeared in the test paper

$S_q = 350$, is the score assigned to M_q , and

$S_t = 900$, is the score assigned to \bar{M}_t

In the GATE 2025 score formula, the qualifying marks (M_q) for the general category candidate in each subject will be :
Cut-off marks for GENERAL category = $\max(25, \min(40, \mu + \sigma))$. Here μ is the mean and σ is the standard deviation of positive marks of all the candidates who appeared in the test paper.



GRADUATE APTITUDE TEST IN ENGINEERING 2025

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५

Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



SCORE CARD

COMPUTATION OF NORMALISED MARKS

Computer Science and Information Technology (CS) and Civil Engineering (CE) were conducted in two sessions in GATE 2025. For such multisession papers, a suitable normalisation is applied to take into account any variation in the difficulty levels of the question papers across sessions. The normalisation is done based on the assumption that, in multisession GATE papers, the distribution of the abilities of the candidates is nearly the same across sessions. This assumption is reasonable because the number of candidates appearing for the test papers is large, the number of candidates allotted to the sessions are comparable, and the procedure for allocation of candidates to the sessions is random.

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where

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\overline{M}_i^q is the average marks of the top 0.1% of the candidates considering all sessions

M_q^q is the sum of mean and standard deviation marks of the candidates in the test paper considering all sessions

\overline{M}_{ii} is the average marks of the top 0.1% of the candidates in the i^{th} session

M_{iq} is the sum of the mean marks and standard deviation marks of the i^{th} session.

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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

NAAC Accredited with A+ Grade, NIRF India Rankings 2025 - Band: 201-300 (Engg.)

NBA Accredited - B.Tech. (CIVIL, CSE, CST, ECE, EEE, MECH), MBA & MCA



Department of Computer Science & Engineering

NIT & NITTTR Internship List (2024–2025)

S.No.	Register No.	Student Name	Company Name	Start Date	End Date
1	21691A0509	R. Aravind	NIT Trichy	Dec. 30, 2024	April 25, 2025
2	21691A0570	Siriveli Ram Jahnvi	NIT Puducherry	June 10, 2024	Aug. 12, 2024
3	21691A05A1	Verukalava Venkata Mahi Suraj	NITTTR, Chennai, (Ministry of Education, Government of India)	June 13, 2024	July 24, 2024
4	22691A0554	Diksha M	NITTTR, Chennai, (Ministry of Education, Government of India)	June 17, 2024	July 28, 2024
5	22691A05K9	Sravya Bandi	NITTTR, Chennai, (Ministry of Education, Government of India)	June 17, 2024	July 26, 2024
6	22695A0528	Rudra Sekhar Reddy. A	NIT Trichy	Dec. 30, 2024	April 25, 2025


HoD/CSE

Head of the Department
Computer Science & Engineering
Madanapalle Institute of Technology & Science
MADANAPALLE-617 325.



NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI - 620 015

CERTIFICATE OF INTERNSHIP

It is certified that **Mr. R. Aravind (21691A0509)** is doing IV-Year, B. Tech Computer Science & Engineering at Madanapalle Institute of Technology and Science, Madanapalle. It is certified that he completed his full-time internship titled "**Context Aware Emotion Recognition Using Multi Cue Analysis**" during 30/12/2024 to 25/04/2025 under the supervision of Dr. Vishnu Priya R, Assistant Professor, Department of Computer Applications, NIT Tiruchirappalli.

R. Vishnu Priya R

Dr. Vishnu Priya R

Dr. VISHNU PRIYA .R
Assistant Professor
Department of Computer Applications
National Institute of Technology
Tiruchirappalli - 620 015. Tamil Nadu, India



राष्ट्रीय प्रौद्योगिकी संस्थान पुदुच्चेरी
गथरुवेत्ताकु डी, करैक्काल - 609 609

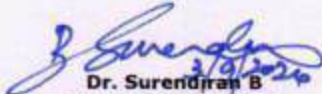
NATIONAL INSTITUTE OF TECHNOLOGY PUDUCHERRY


Thiruvettakady, Karaikal - 609 609

03.09.2024

CERTIFICATE OF INTERNSHIP

It is certified that **Ms. Siriveli Ram Jahnvi (21691A0570)** is doing IV-Year, B.Tech - CSE at Madanapalle Institute of Technology and Science, Madanapalle. It is certified that she has completed her full-time internship titled "**Benchmarking the Performance of Deep CNNs and Lightweight Models in Multiclass Skin Cancer Detection**" starting from 10/06/2024 to 12/08/2024 under the supervision of Dr. Surendiran B, Associate Professor, Department of Computer Science and Engineering, NIT Puducherry.


Dr. Surendiran B
Associate Professor
Department of CSE
NIT Puducherry


31/9/24
Dr. Madappa V. R. Sivasubramanian
Professor-In-Charge
Training & Placement
NIT Puducherry

Telefax: +91 - 4368 - 265 233

An institution of National Importance under Ministry of Education, Govt of India.



National Institute of Technical Teachers Training and Research

Ministry of Education, Government of India, Taramani, Chennai - 600 113.

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान
शिक्षा मंत्रालय, भारत सरकार, तारमणी, चेन्नई - ६०० ११३.

Dr.P.Malliga
Professor & Head
Dept. of Educational Media & Technology

24.07.2024

CERTIFICATE OF INTERNSHIP

This is to certify that Mr.V.V. Mahi Suraj, B.Tech III year student of Computer Science and Engineering, Madanapalle Institute of Technology & Science, AP has successfully completed 6-weeks Internship from 13.06.2024 to 24.07.2024 in the area of Augmented Reality and Virtual Reality at National Institute of Technical Teachers Training and Research, (NITTTR) Chennai.

During the Internship, he created a 3D logo animation commemorating the 60th Diamond Jubilee of NITTTR, Chennai using Blender. Additionally he designed and developed a VR Quiz game for NITTTR, Chennai using the Unity game Engine. He was diligent and enthusiastic with zeal to do his best in his project.

I wish the very best for his career and future endeavours.



Dr.P.MALLIGA

Dr. P. MALLIGA
PROFESSOR & HEAD
Department of Educational Media & Technology
National Institute of Technical Teachers Training & Research
(Ministry of Education, Govt. of India)
Taramani, Chennai - 600 113.



National Institute of Technical Teachers Training and Research

Ministry of Education, Government of India, Taramani, Chennai - 600 113.

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान
शिक्षा मंत्रालय, भारत सरकार, तरमणी, चेन्नई - ६०० ११३.

Dr.T.Subha

Associate Professor

Dept. of Educational Media & Technology

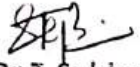
26.07.2024

CERTIFICATE OF INTERNSHIP

This is to certify that Miss. Diksha M, B.Tech II year student of Computer Science and Engineering, Madanapalle Institute of Technology & Science, AP has successfully completed 6-weeks Internship from 17.05.2024 to 26.07.2024 in the area of Web Application Development at National Institute of Technical Teachers Training and Research, (NITTTR) Chennai.

During the Internship, she created Inventory website for NITTTR, Chennai by using Frontend and Backend Technologies such as HTML, CSS, JAVASCRIPT and PHP. She was diligent and enthusiastic with zeal to do her best in her project.

I wish the very best for her career and future endeavours.


Dr.T.Subha

Dr. T. SUBHA
Associate Professor
Department of Educational Media and Technology
National Institute of Technical Teachers
Training and Research (NITTTR)
[Min. of Education, Govt. of India]
Taramani, Chennai - 600 113.



National Institute of Technical Teachers Training and Research

Ministry of Education, Government of India, Taramani, Chennai - 600 113.

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान
शिक्षा मंत्रालय, भारत सरकार, तरमणी, चेन्नई - ६०० ११३.

26.07.2024

Dr. T. Subha
Associate Professor
Dept. of Educational Media & Technology

CERTIFICATE OF INTERNSHIP

This is to certify that Miss. Bandi Sravya, B.Tech II year student of Computer Science and Engineering, Madanapalle Institute of Technology & Science, AP has successfully completed 8 weeks Internship from 17.06.2024 to 26.07.2024 in the area of Web Application Development at National Institute of Technical Teachers Training and Research, (NITTTR) Chennai.

During the Internship, she created Inventory website for NITTTR, Chennai by using Frontend and Backend Technologies such as HTML, CSS, JAVASCRIPT and PHP. She was diligent and enthusiastic with zeal to do her best in her project.

I wish the very best for her career and future endeavours.


Dr. T. Subha

Dr. T. SUBHA
Associate Professor
Department of Educational Media and Technology
National Institute of Technical Teachers
Training and Research (NITTTR)
[Min. of Education, Govt. of India]
Taramani, Chennai - 600 113.



NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI - 620 015

CERTIFICATE OF INTERNSHIP

It is certified that **Mr. Rudra Sekhar Reddy Avula (22695A0528)** is doing IV-Year, B. Tech Computer Science & Engineering at Madanapalle Institute of Technology and Science, Madanapalle. It is certified that he completed his full-time internship titled "**Context Aware Emotion Recognition Using Multi Cue Analysis**" during 30/12/2024 to 25/04/2025 under the supervision of Dr. Vishnu Priya R, Assistant Professor, Department of Computer Applications, NIT Tiruchirappalli.

Dr. Vishnu Priya R

Dr. VISHNU PRIYA .R
Assistant Professor
Department of Computer Applications
National Institute of Technology
Tiruchirappalli - 620 015, Tamil Nadu, India



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2025 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, CST, ECE, EEE, MECH), MBA & MCA



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

List of MoU's Signed

AY: 2024 - 2025

S.No	Name of Industry / Institute / Organization	Location	Title / Purpose	Date
1	SITER	Norway	Internship, Training, Project	14-04-2025
2	Next New Venture Studio Inc., LLP, Powered by Xarpie Labs & Singularity University & International Startup Foundation (ISF)	Bangalore	Entrepreneurs, Intrapreneurs, Solopreneurs and Leadership.	21-03-2025
3	GS Co., Ltd.	Republic of Korea	Research and Developments, Virtual Internship, Project	31-08-2024
4	NASSCOM / IT - ITeS Sector Skills Council	Noida	Internship, Training, Project	03-07-2024

HOD/CSE

Head of the Department
Computer Science & Engineering
Madanapalle Institute of Technology & Science
MADANAPALLE, A.P. - 515 002



MEMORANDUM OF UNDERSTANDING (MoU)

Between

Madanapalle Institute of Technology and Science (MITS)

And

Next New Venture Studio Inc., LLP, powered by Xarpie Labs & Singularity University and
International Startup Foundation (ISF)

This Memorandum of Understanding (hereinafter referred to as the “MoU”) is made and entered into on this 21st day of March ,2025, by and between:

Madanapalle Institute of Technology & Science (MITS), an esteemed educational institution located in Madanapalle, Andhra Pradesh, India, hereinafter referred to as “MITS”, represented by its Principal, Dr. C. Yuvaraj.

AND

Next New Venture Studio Inc., LLP, a global venture ecosystem powered by Xarpie Labs & Singularity University and the International Startup Foundation (ISF), hereinafter referred to as “NNVS”, represented by Mr. Sreekanth K. Arimanithaya, Representative, Xarpie Labs & Singularity University,

Collectively referred to as “the Parties”.

1. Purpose

The purpose of this MoU is to establish a Next New Venture Studio at the MITS campus, co-created and powered by Next New Venture Studio Inc LLP with the intent to:

- Build a world-class innovation and entrepreneurship ecosystem within MITS.
- Nurture and support the development of entrepreneurs, intrapreneurs, and solopreneurs.
- Catalyze the creation of a significant number of high-impact ventures, capable of creating value in emerging markets and technology sectors.
- Equip students and faculty with access to converging technologies, innovation tools, and thought leadership.

2. Scope of Collaboration

2.1 Infrastructure Development

MITS shall provide the necessary funding for establishing the Next New Venture Studio, which includes:

- Physical infrastructure, innovation hubs, and co-creation zones.
- Technology infrastructure such as hardware, software, and digital platforms.
- Operational facilities for hosting workshops, labs, and ideation bootcamps.
- NNVS shall design and guide the deployment of best-in-class infrastructure in alignment with global innovation studio benchmarks.

2.2 Faculty and Thought Leadership

- NNVS will deploy faculty, mentors, and experts from Singularity University, ISF, and global networks to deliver:
- Masterclasses, mentorship, innovation clinics, and deep tech bootcamps.
- Strategic collaboration with MITS faculty to co-develop curriculum and applied learning modules.

2.3 Startup Development & Talent Building

The Studio will serve as a launchpad for:

- Entrepreneurs who aspire to build transformative ventures.
- Intrapreneurs who will join corporate roles as innovation leaders.
- Solopreneurs who wish to thrive independently in the gig and freelancing economy.

This includes incubation, mentorship, and venture readiness support through curated programs and platforms.

2.4 Seed Funding & Innovation Support

- MITS shall set up an initial Startup Seed Fund to support promising ideas, prototype development, and early-stage venture incubation within the studio.
- NNVS will support with venture structuring, investor connections, pitch coaching, and market access.

3. Roles and Responsibilities


3.1 MITS shall:

- Allocate dedicated space and resources for the studio.
- Provide required financial support for infrastructure setup, hardware/software procurement, and operationalization.
- Establish a Startup Seed Fund for student-led or faculty-led ventures.
- Extend institutional support for integration with academic programs and community engagement.

3.2 Next New Venture Studio Inc., LLP shall:

- Curate and implement innovation and entrepreneurship programs.
- Provide access to expert mentors, global startup networks, and accelerator pathways.
- Support branding, events, and international visibility for MITS ventures and the studio.

First Party



Dr. C. Yuvaraj

Principal

Madanapalle Institute of Technology & Science



Dr. M. Kiran Kumar

Assistant Professor, Dept. of CSE (DS)

Madanapalle Institute of Technology & Science



Second Party



Mr. J. A. Chowdary

Entrepreneur

Innovator

Angel Investor Industry Leader



Mr. Sreekanth K Arimanithaya

Representative,

Xarpie Labs & Singularity

University



MEMORANDUM OF UNDERSTANDING (MoU)

Between

Madanapalle Institute of Technology and Science (MITS)

And

Next New Venture Studio Inc., LLP, powered by Xarpie Labs & Singularity University and International Startup Foundation (ISF)

This Memorandum of Understanding (hereinafter referred to as the “MoU”) is made and entered into on this 21st day of March ,2025, by and between:

Madanapalle Institute of Technology & Science (MITS), an esteemed educational institution located in Madanapalle, Andhra Pradesh, India, hereinafter referred to as “MITS”, represented by its Principal, Dr. C. Yuvaraj.

AND

Next New Venture Studio Inc., LLP, a global venture ecosystem powered by Xarpie Labs & Singularity University and the International Startup Foundation (ISF), hereinafter referred to as “NNVS”, represented by Mr. Sreekanth K. Arimanithaya, Representative, Xarpie Labs & Singularity University,

Collectively referred to as “the Parties”.

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- Support branding, events, and international visibility for MITS ventures and the studio.

First Party



Dr. C. Yuvaraj

Principal

Madanapalle Institute of Technology & Science



Dr. M. Kiran Kumar

Assistant Professor, Dept. of CSE (DS)

Madanapalle Institute of Technology & Science

Second Party



Mr. J. A. Chowdary

Entrepreneur

Innovator

Angel Investor Industry Leader



Mr. Sreekanth K Arimanithaya

Representative,

Xarpie Labs & Singularity

University





MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

Madanapalle Institute of Technology & Science, Madanapalle, A.P., India

AND

GS Co. Ltd., Gyeonggi-do, Republic of Korea

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the 31st day of August 2024 by and between.

Madanapalle Institute of Technology & Science the First Party represented herein by its Principal Madanapalle Institute of Technology & Science, And GS Co. Ltd. the Second party, and represented herein by its Director, Mr. Jeongseon Kim.

WHEREAS:

A) First Party is a Higher Educational Institution named: **Madanapalle Institute of Technology & Science** situated at Post Box No: 14, Kadiri Road, Angallu (V), Madanapalle-517325, Annamayya District, Andhra Pradesh, India.

B) **GS Co. Ltd.** the Second Party is engaged in manufacturing of weighing machine and related products situated at 1405~7, 1409~10 HO, U-Tower, 120 Heungdeokjungang ro, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea.

C) First Party & Second Party believe that Collaboration and Co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

D) The Parties intent to cooperate and focus their efforts on cooperation within area of value additions in the area of **Digital Signal Processing, Machine Learning, Artificial Intelligence, Load Cell and EMFC.**

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1

CO-OPERATION

1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.

1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.

1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant will cooperate.



CLAUSE 2

SCOPE OF THE MoU

2.1 The second party through its Research and Development endeavors is interested to engage the first party in various intellectual inputs in value addition in the areas of Digital Signal Processing using Machine Learning, Load Cell and EMFC Weighing Cell Design and Development and other related areas for which they are seeking support of the Faculty Members and Students in specific assigned works. Students may also be engaged in virtual internship and full semester project works.

2.2 As part of this MoU there is no financial commitment on the part of the Madanapalle Institute of Technology & Science. If there is any financial consideration, then there will be a separate agreement between the parties.

2.8 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

CLAUSE 3

VALIDITY

3.1 This Agreement will be for a period of 5 (Five) Years it is expressly terminated by either Party on mutually agreed terms, during which period, the Second Part.

CLAUSE 4

RELATIONSHIP BETWEEN THE PARTIES

4.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent entity.


First Party


Dr. C. Yuvaraj

Principal
Madanapalle Institute of Technology & Science




Second Party

Mr. Jeongseon Kim 

Director
GS Co. Ltd.

Witness:


Dr. Sremant Basu

Dean - Admin, International Relations & UGC Affairs
Madanapalle Institute of Technology & Science


Dr. Mohan Krishna Verma

Principal Engineer, R&D
GS Co., Ltd.

MEMORANDUM OF UNDERSTANDING

BETWEEN

Madanapalle Institute of Technology & Science

AND

nasscom / IT-ITeS SECTOR SKILLS COUNCIL

FOR

**UNDERTAKING SKILL DEVELOPMENT TRAINING
IN EMERGING TECHNOLOGIES**

This Memorandum of Understanding ("MoU") is made on 3rd day of July of the year 2024,

BETWEEN

Madanapalle Institute of Technology & Science having its head office at Angallu Madanapalle, India, represented by Dr. C. Yuvaraj, Principal, Madanapalle Institute of Technology & Science (hereinafter referred to as Madanapalle Institute of Technology & Science) which expression shall, unless repugnant to the context or meaning thereof, include its successors, executors and administrators in office, legal representatives and permitted assigns on the **FIRST PART**.

AND

National Association of Software and Service Companies having its head office at the nasscom Plots 7-10, Sector 126, Noida, UP –201303, India (hereinafter called "**nasscom/SSC nasscom**"), represented by Head-Strategy & Operations, IT-ITeS Sector Skills Council, which expression shall, where the context so admits, be deemed to include its successors, executors and administrators of the **SECOND PART**.

Whereas IT-ITeS Sector Skills Council (nasscom/ SSC nasscom) an integral part of nasscom is the skill standard setting body of the IT-ITeS Industry and is also the education & skill development initiative of nasscom; SSC nasscom works with its industry members and select academic and skill development institutions to help improve the quality and quantity of the employable workforce available to this industry.

Whereas Madanapalle Institute of Technology & Science, is an educational institution.

Madanapalle Institute of Technology & Science and **nasscom/SSC nasscom** will hence forth be referred to collectively as the Parties.

THE MoU WITNESSED AND THE PARTIES HERETO AGREE AS FOLLOWS:

I. PREAMBLE / BACKGROUND / OBJECTIVE

Government of India under the aegis of Ministry of Electronics and IT has joined hands with nasscom as a team India effort to make India a global hub for skilled talent on emerging technologies. **FutureSkills Prime** is an aggregator model platform built with an aim to reskill & upskill individuals in emerging technologies with an objective to create India's Digital Talent Stack that will propel India into a leadership position in the digital world.

FutureSkills Prime platform is designed as a resource for all learners to not only develop digital fluency in new-age technologies but also build advanced skills by getting certified on industry defined & IT-ITeS Sector Skills Council (SSC nasscom) validated skills on both emerging technologies and professional skills.

II. PURPOSE

1. The objective of this MoU is to undertake relevant skills upgradation via training program/s in the emerging technologies for the students & faculty/ staff of Madanapalle Institute of Technology & Science
 - a. To encourage any-time, any-where, continuous self-paced learning for acquiring newer and industry relevant skill sets, build digital fluency on emerging technologies & professional skills through the availability of byte sized micro learning content.
 - b. To provide a diagnostic facility that offers candidates an analysis of their aptitude and capabilities so that they can be guided on learning pathway options.
 - c. To provide a novel framework and an inclusive 'one stop up-skilling/ re-skilling solution' in new and emerging IT technologies that envisages a paradigm shift in the existing value chain through synergistic efforts of all stakeholders.
 - d. To motivate and create value at every step through innovative mechanisms such as 'skills passport', 'skills wallet', 'badges' etc. based on the aspirant's effort in their skilling journey.
 - e. The Company/University/College etc will also work internally to build their internal talent pool by encouraging employees/students & faculty/staff members to complete more badging and certifications.All the above will also work towards making India as a digital talent hub.
2. This engagement aims to implement short-term awareness and skill competency development programs including Foundation and Deep Skilling courses (both free and paid) in the emerging technologies area.
3. This intervention aims to equip the students & faculty/staff members with specific skills that are important in today's context. The learning intervention will keep them updated with the key trends / challenges faced in today's digital ecosystem.

III. GENERAL PROVISIONS

1. This MoU will set-up general conditions for co-operation in up-skilling / skill-based training and that the Parties intend to use it as a framework to continue their co-operation.
2. The Parties intend to coordinate and focus their efforts on co-operation within the area of the identified upskilling /skill development intervention(s) across the Madanapalle Institute of Technology & Science.
3. The terms of co-operation / directions will be defined collectively during negotiations. The Parties through mutual effort will try to establish long term and beneficial co-operation.

IV. IMPLEMENTATION OF THE MOU

To ensure the implementation of this MoU, through the identified SPOC/s from the Madanapalle Institute of Technology & Science.

1. The progress of the identified outcomes of cooperation for all the joint upskilling and awareness-oriented Skilling & Upskilling initiatives in the emerging technologies including areas like professional skills. Preparation and implementation of upskilling plans by the Parties concerned w.r.t the students and faculty/staff of Madanapalle Institute of Technology & Science.
2. Coordination and implementation with Madanapalle Institute of Technology & Science, IT-ITeS Sector Skill Council and all the other key stakeholders for upskilling the targeted beneficiaries in skill-based training program w.r.t emerging technologies and related professional skills.
3. Discussion on other issues pertaining to the implementation of this MoU.
4. Monitoring and evaluation of all on-going initiatives.
5. Branding and awareness of skilling initiatives on emerging technologies.

V. ROLE AND RESPONSIBILITIES OF Madanapalle Institute of Technology & Science

1. **Mobilization of beneficiaries** – To take up the responsibility of mobilization of students & faculty/staff for enrolment in the skilling and upskilling program. Madanapalle Institute of Technology & Science shall coordinate with all associates (as applicable) to create a pool of trainees/beneficiaries/candidates for this program.
2. **Onboard** - a minimum of 500 **candidates on to the FutureSkills Prime platform**. Madanapalle Institute of Technology & Science will share the data in the predefined agreed format indicated in Annexure-1 and will also instruct students & faculty/staff to sign-up on FutureSkills Prime.
3. Share SPOC details for coordination and facilitation.
4. Publish required Circulars/ Notifications advising about the Mission and vision agreed upon.
5. Extend all required support to co-ordinate with various offices/facilities if applicable.
6. Review the analytics reports and drive the common objective of building India's future ready workforce.
7. Responsibility to seek approval from relevant candidates to share their details on platform.

VI. ROLE AND RESPONSIBILITIES OF nasscom/SSC nasscom

1. Facilitate the students & faculty/ staff to register on nasscom' s FutureSkills Prime online platform.
2. Provide access to usage analytics. However, this is subject to the consent received from the candidate(s) to share their details.

3. Offer via FutureSkills Prime platform the learning content that match industry standards and are periodically updated.
4. Enable diagnostics, badging and assessments to learners.

VII. MONITORING

1. Monitoring the implementation of the deliverables of this MoU will be the responsibility of Madanapalle Institute of Technology & Science.
2. Parties will periodically collaborate to monitor the implementation of the MoU as per the agreed to timelines.

VIII. CO-BRANDING GUIDELINES

1. Cobranding guidelines are an arrangement between nasscom/SSC nasscom and Madanapalle Institute of Technology & Science. These guidelines shall apply to all uses of FutureSkills Prime and nasscom/ SSC nasscom marks as defined herein and are currently effective as Madanapalle Institute of Technology & Science has agreed to these and up to the terms thereof.
2. By using any FutureSkills Prime, nasscom/ SSC nasscom Trademarks, Madanapalle Institute of Technology & Science acknowledges that nasscom/ SSC nasscom is the sole owner of the Trademarks and agreeing not to interfere with nasscom/ SSC nasscom' s rights in the Trademarks, including challenging nasscom/ SSC nasscom' s use, registration of, or application to register such Trademarks.
 - a. Madanapalle Institute of Technology & Science may not use any nasscom/ SSC nasscom Trademarks in metatags, search fields, hidden text, or any other form that has the purpose or effect of diverting or confusing consumers without nasscom/ SSC nasscom' s prior written permission.
 - b. Other product names or trademarks, including those appearing on nasscom/ SSC nasscom' s websites, that are not owned by nasscom/ SSC nasscom are for identification purposes only and may be the registered or unregistered trademarks of their respective owners.
 - c. No license or right is granted to Madanapalle Institute of Technology & Science by nasscom/ SSC nasscom by implication, estoppel or otherwise to any such third-party names or trademarks or to the nasscom/ SSC nasscom Trademarks hereby.
3. **Branding:** Madanapalle Institute of Technology & Science can co-brand with the nasscom/ SSC nasscom Trademarks internally/externally after the due approval in written on Logo (positioning, placement, design etc) and messaging from nasscom/SSC nasscom.
4. nasscom would seek permission from Madanapalle Institute of Technology & Science before using the Madanapalle Institute of Technology & Science logo for any PR activity.

IX. MISCELLANEOUS PROVISIONS

1. This MoU as outlined in this document is not intended to be a legally binding document. Rather, it is meant to describe the nature and cooperative intentions of Madanapalle Institute of Technology & Science and nasscom/SSC nasscom to suggest guidelines for cooperation. Nothing, therefore, shall diminish the full





autonomy of any Party, nor any constraints be imposed by either upon the other, and nothing in this agreement shall be deemed to create a joint venture, or agency relationship between the Parties.

2. Any other matter not included in the MoU which is necessary for the smooth functioning of the Scheme shall be finalized between Madanapalle Institute of Technology & Science and nasscom/SSC nasscom on mutually agreed terms and conditions.
3. The use of the name, logo and/or official emblem of any of the Parties on any publication, document and/or paper is allowed only, after seeking explicit prior permission in writing of the owner Party concerned.
4. The Second Party shall be entitled to collect/receive/process information in relation to the candidates of the First Party. The said right shall include the right to share such information with relevant placement agencies, including job portal partners, employers and/or research partners to enable them to potential employment opportunities, thought leadership and insights.
5. Amendments to this MoU will be only basis mutual consensus and the written consent (duly signed) of all the Parties concerned. Additions, deletions and/or alterations to this MoU may be affected with the written agreement of all the Parties to this MoU concerning the said changes. Documents containing such additions, deletions and/or alterations and signed by both the Parties shall form addenda to this MoU and be deemed to be part of this MoU.
6. The MoU is not intended to create any legal relation of employer-employee or of principal and agent relationship amongst the Parties.
7. This MoU shall remain valid for a period of 3 years from the date of its signing and can be extended on mutual terms and conditions. Through this MoU Madanapalle Institute of Technology & Science and nasscom/SSC nasscom affirm their commitment to fulfil and achieve the objectives mutually agreed upon in its MOU.
8. Termination - this MoU can be terminated by either one of the Parties after serving 1(one) month notice to other Party in writing if there is failure/breach of understanding or default by any one of the Parties concerned.
9. This is a non-commercial MoU between both the Parties; however, any individual student subscribing for individual courses/programs at cost as declared eligible for subsidy will be addressed only by the concerned individual/subscriber. Madanapalle Institute of Technology & Science will have no implication or responsibility on payments/subsidy thereof w.r.t registered candidates/beneficiaries i.e., Subscribers.
10. Confidentiality
 - a. Subject to Clause b below, Parties agree that they will keep all information in pursuant to this MoU confidential and shall not disclose to any third person any confidential information with respect to the MoU and program hereunder.
 - b. Exceptions: Any Party may disclose Confidential Information:

- to the extent to which it is required to be disclosed pursuant to applicable law;
- to the extent to which it is specifically permitted by other Party in writing;
- to the extent that the confidential information is publicly available (other than as the result of a breach by such Party of its confidentiality obligation under Clause 9 above);
- to its employees and professional advisors, but only to the extent necessary and subject to such employees and professional advisors accepting an equivalent confidentiality obligation to that set out in this Clause 'Confidentiality'.

Through this MoU Madanapalle Institute of Technology & Science, and nasscom/SSC nasscom affirm their commitment to fulfil and achieve the objectives mutually agreed upon.

Signed this MoU on this 03rd day of July of the year 2024.

<p>For and on behalf of Madanapalle Institute of Technology & Science</p> <p>Address: Madanapalle Institute of Technology & Science Post Box No: 14, Kadiri Road, Angallu Madanapalle-517325, Andhra Pradesh, India.</p> <p> Signature</p> <p>Dr. C. Yuvaraj Principal Madanapalle Institute of Technology & Science</p> <p>STAMP</p> 	<p>For and on behalf of nasscom</p> <p>Address: Plots 7-10, Sector 126, Noida, UP – 201303</p> <p> Signature</p> <p>Dr Upmith Singh Head- Strategy and Operations IT-ITeS Sector Skills Council</p> <p>STAMP</p> 
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Annexure-1

A. Format for University/College



Ministry of Electronics and
Information Technology
Government of India

NASSCOM

futureskills[®]
— prime
A MIT - NASSCOM Digital Skill Initiative

Student Details for College/ University

Fields in Red are Mandatory

(All Kindly refer to Important Notes before filling)

S.No	Roll Number	First Name	Last Name	Email ID (preferred with college domain, if available)	Department/ Stream	College	University (where applicable)	User Type (Student / Teacher / Staff)
<i>Sample Response below:</i>								
1	WE252887	Akanisha	Kumar	akanisha@college.com	Computer Science	Acme	XYZ	Student

B. Format for a Company

S No	Employee Number	First Name	Last Name	Email ID (preferred with company domain, if available)	Department	Organisation	Parent Organisation (where applicable)	User Type (Permanent / Contract)
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**the fields marked in red are mandatory and non-negotiable*



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, CST, ECE, EEE, MECH), MBA & MCA



Department of Computer Science & Engineering

AY: 2024 – 25 Faculty Patent Published Details

S. No	Name of Faculty	Title	Application Number	Date of Filing	Publication Date
1	Dr.R.Nidhya	Advanced Deep Learning Framework For Identifying Plant Diseases From Leaf Images	1222079		09-11-2024
2	Dr. R. Sudhakar	An Innovative E-Pilots System For Aircraft Hard-Landing Prediction Based On Deep Learning Technique	202441068339 A		20-09-2024
3	Dr. R. Sudhakar	Methods and Compositions For Enhancing Plant Stress Tolerance Through Genetic Modifications	202441086280 A		15-11-2024
4	Ms.Ramya P	Advanced Speech Recognition System with Integrated Noise Suppression and Accent Adaptation	202541002268	10-01-2025	
5	Mr.Galeebathullah.B	Robotics Hand for Sorting of VLSI Devices	419780-001		12-06-2024
6	Mr.B .Anand Raj	System And Method For Real-Time Machine Learning In Distributed Networks	202441081913		01-11-2024
7	Dr.R.Nidhya	CopyRights - MITS Feedback System		22-01-2025	
8	Dr.R.Nidhya	CopyRights - MITS FLEX		22-01-2025	
9	Dr.R.Nidhya	CopyRights - MITS MELE		22-01-2025	
10	Dr.R.Nidhya	CopyRights - MITS EAMCET		09-01-2025	
Total=10					


Research Coordinators


Head of the Department
HOD/CSE
Computer Science & Engineering
Madanapalle Institute of Technology & Science
MADANAPALLE-517 325..

Tax Invoice

(ORIGINAL FOR RECIPIENT)

MICROCARE COMPUTERS PVT LTD - VJA
 D NO:60-9-10/5, DR CHENNPATI SHYAM PRASAD STREET
 HP WORLD BUILDING,BEHIND ANKURA HOSPITALS
 7TH LANE SIDDHARTHA NAGAR
 PINNAMANENI POLYCLINIC RAOD,
 VIJAYAWADA
 0866-2473166, 2483984
 GSTIN/UIN: 37AACCM4586C1ZG
 State Name : Andhra Pradesh, Code : 37
 CIN: U72200TG1989PTC009795
 E-Mail : vijayawada@microcareindia.com

Invoice No.	Dated
240200421	26-Sep-24
Delivery Note	
242100323	
Buyer's Order No.	Dated
PO NO:739/2024	30-Aug-24
Dispatch Doc No.	Delivery Note Date
	26-Sep-24
Dispatched through	Destination

Buyer (Bill to)
 MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
 P.B NO:14,
 ANGALLU,
 MADANAPALLE,
 CHITTOOR DT-517325
 Mr.ALTAf
 8571280433
 9052077783
 Place of Supply : Andhra Pradesh

SI No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount	
1	4N3U8AV HP Z2 TOWER G9 WORKSTATION DESKTOP PC/INTEL CORE I7 14TH GEN/14700 PROCESSOR INTEL W680 CHIPSET/INTEGRATED 10/100/1000 MBPS NIC CARD 32GB DDR5 RAM/1TB NVME M.2 SSD/NVIDIA RTX A1000 8GB 4MDP GRAPHIC CARD/NO ODD UBUNTU LINUX 22.04/350W POWER SUPPLY/HP 125 BLACK USB WIRED KEYBOARD AND HP 125 BLACK USB WIRED MOUSE 3 YEARS ONSITE OEM WARRANTY SERIAL NUMBERS ARE ENCLOSED	84715000	225.00 nos	99,600.00	nos	2,24,10,000.00	
2	64X86AA HP P22 G5 21.5" FULL HD MONITOR 3 YEARS ONSITE OEM WARRANTY SERIAL NUMBERS ARE ENCLOSED	85285200	225.00 nos				
						2,24,10,000.00	
OUTPUT CGST@9%						9 %	20,16,900.00
OUTPUT SGST@9%						9 %	20,16,900.00
Total			450.00 nos			₹ 2,64,43,800.00	

Amount Chargeable (in words) E. & O.E
INR Two Crore Sixty Four Lakh Forty Three Thousand Eight Hundred Only

Taxable Value	Central Tax		State Tax		Total Tax Amount
	Rate	Amount	Rate	Amount	
2,24,10,000.00	9%	20,16,900.00	9%	20,16,900.00	40,33,800.00
Total: 2,24,10,000.00		20,16,900.00		20,16,900.00	40,33,800.00

Tax Amount (in words) : **INR Forty Lakh Thirty Three Thousand Eight Hundred Only**

Remarks: RAMESH NAIDU SIR A/C PO NO:739/2024 DATED:30.08.2024

Company's PAN : AACCM4586C

Declaration: We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details
 Bank : STATE BANK OF INDIA (SBI)
 Branch & Ifsc Code : 40090826883
 Branch & Ifsc Code : LABBIPET BRANCH (VJA) & SBIN0003055
 for MICROCARE COMPUTERS PVT LTD - VJA

Prepared by:  Verified by:  Authorised Signatory





MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2025 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

LAB-12

Monitor and CPU Serial Number List

S. No.	Monitor	CPU
1	CNC4170NDW	4CE436CHYK
2	CNC4181NK6	4CE436CJ02
3	CNC4181NJG	4CE436CJ17
4	CNC4181NTZ	4CE436CHYY
5	CNC4170NDV	4CE436CHZV
6	CNC4181LQZ	4CE437DBQN
7	CNC4181LF6	4CE436CJ0C
8	CNC4181LP6	4CE436CJ03
9	CNC4170NDS	4CE436CJ2G
10	CNC4170NFC	4CE436CJ07
11	CNC4170ND6	4CE436CHYV
12	CNC4181LPB	4CE437DBQ1
13	CNC4170NFK	4CE436CJ0J
14	CNC4181NJQ	4CE436CJ00
15	CNC4181LFG	4CE436CJ1V
16	CNC4170NC9	4CE436CJ11
17	CNC4181NVH	4CE436CJ15
18	CNC4170NFJ	4CE436CJ0B
19	CNC4181NV2	4CE436CHZ0
20	CNC4181NL8	4CE437DBPQ
21	CNC4181LF7	4CE436CHYR
22	CNC4170NC5	4CE436CHYW
23	CNC4181NKV	4CE437DBQX
24	CNC4181NKG	4CE436CJ13
25	CNC4170NCF	4CE436CHZM
26	CNC4181NWT	4CE436CHYF
27	CNC4170NCY	4CE436CHZJ
28	CNC4181NK8	4CE436CJ0H
29	CNC4170NCC	4CE437DBPJ
30	CNC4181NK4	4CE436CJ1Z
31	CNC4170NCW	4CE436CJ22
32	CNC4181NX8	4CE436CJ08
33	CNC4181NJW	4CE436CJ1G
34	CNC4181LFX	4CE437DBPV
35	CNC4170ND4	4CE436CHYP
36	CNC4181NK1	4CE436CJ14



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37	CNC4170NF6	4CE437DBNX
38	CNC4181NJV	4CE436CJ09
39	CNC4181NKP	4CE437DBQ0
40	CNC4170NF4	4CE436CJ01
41	CNC4181NKL	4CE436CJ05
42	CNC4170NDX	4CE436CJ0D
43	CNC4170NLQ	4CE436CHZW
44	CNC350345Z	4CE437DBQ3
45	CNC4181NKR	4CE437DBR8
46	CNC4170ND0	4CE437DBP9
47	CNC4170ND2	4CE436CHZ2
48	CNC4181LFQ	4CE436CJ1C
49	CNC4181NJL	4CE436CJ2B
50	CNC4170NFH	4CE436CHYX
51	CNC4170NF3	4CE436CJ0S
52	CNC4181NJM	4CE436CJ0G
53	CNC4170NCL	4CE436CHYJ
54	CNC4181NWQ	4CE436CJ1F
55	CNC4181NV3	4CE436CHYC
56	CNC4181NL4	4CE437DBN5
57	CNC4181NTX	4CE436CHZG
58	CNC4170NGH	4CE436CHZY
59	CNC4181NK5	4CE436CHZ1
60	CNC4170NC8	4CE436CHZD
61	CNC350345Y	4CE436CJ04
62	CNC4181NL1	4CE436CJ12
63	CNC4181LFJ	4CE436CJ1M
64	CNC4181NL3	4CE436CHZ7
65	CNC4181NX9	4CE437DBQ6
66	CNC4170ND1	4CE436CJ0Q
67	CNC4181LF0	4CE436CJ1B
68	CNC4181LPT	4CE436CHZ8
69	CNC4181LP8	4CE436CJ0F
70	CNC4170NCZ	4CE436CHYT
71	CNC4181LQ3	4CE436CHZ9
72	CNC4181NJT	4CE437DBQD