



**“Techno-social Excellence”**  
**Marathwada Mitra Mandal’s**  
**INSTITUTE OF TECHNOLOGY**  
**Lohgaon, Pune-411047**

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## The institutional perspective plan & its deployment

Supporting documents related to  
**deployment of strategic/ perspective plan** of the institute.  
Click respective link in table.

Sr. No.	Strategic plan & Deployment Documents
1	<a href="#"><u>Strategic Plan</u></a>
2	<a href="#"><u>Sample of CO-PO Mapping and attainment</u></a>
3	<a href="#"><u>Sample of Add-on course conducted for students</u></a>
4	<a href="#"><u>Sample of Collaborations with industries</u></a>
5	<a href="#"><u>Research activity sample</u></a>
6	<a href="#"><u>Lab Development and Capacity Building</u></a>
7	<a href="#"><u>Affiliation</u></a>
8	<a href="#"><u>Ph.D. faculty Appointments</u></a>
9	<a href="#"><u>Sample of Industry sponsored project</u></a>
10	<a href="#"><u>Sample of Industrial Internship</u></a>
11	<a href="#"><u>Sample of On-Campus Placement Drive</u></a>



*“Techno-Social Excellence”*

**Marathwada Mitramandal's Institute of Technology (MMIT)**

**Lohgaon, Pune – 411047**

[www.mmit.edu.in](http://www.mmit.edu.in)

## **Perspective / Strategic Plan**

**(For Academic Year: 2021-22, 2022-23 and 2021-2026)**

### **Introduction:**

The trust “Marathwada Mitramandal” was established in 1967 with a dedication of providing quality education to the society with the motto “Welfare of Masses”. Marathwada Mitramandal's Institute of Technology (MMIT), Lohgaon was established in 2008 with vision “Techno-Social Excellence”. The institute is striving at its best to provide quality education to the students with a sense of social responsibility. It also takes the initiative in supporting the education expenses of needy and financially weaker students. Further, to enhance the existing status and initiate the process of change / upgradation towards the growth and sustainability of the MMIT, a preliminary Perspective / Strategic Plan for MMIT is proposed as below -

### **Vision of the Institution**

The vision of the institution is “**Techno-Social Excellence**”. It aims to provide quality technical education to students by grooming them for the development of professional skills. It also focuses on sustainable development of students to face global challenges. The institution ensures the trust's vision for an overall development of students through continual improvement and teamwork.

### **Mission of the institution**

The Mission of the Institution is to - Enhance technology transfer, Implement entrepreneurship, Promote global competency, Integrate innovative pedagogy, Create excellent human resource

### **Quality Policy**

MMIT strives for imparting quality technical education by adopting best possible standards for continual improvement in skills with awareness of social responsibilities to meet expectations of stakeholders.

### **Strategic plan for the AY 2021-22 & AY 2022-23**

The strategic plan of the academic year 2021-22 is prepared on the basis of following parameters -

#### **1. Curricular aspects and enrichment**

For the enrichment of the curriculum the institute plans to

- Decide the benchmarks for overall institution development
- Emphasize on Outcome Based Education and Accreditation from NBA and re-accreditation from NAAC
- Organize value added / add-on / certification courses to minimize the gap between industry requirement and curriculum



## **2. Research and extension services**

For enhancing R&D and extension activities the institute plans to

- a) Encourage the faculties for undertaking projects and grants
- b) Encourage the faculties to publish their research articles in reputed indexed Journals
- c) Collaborate with industries for MoUs for multi-disciplinary and interdisciplinary development

## **3. Infrastructure development & Learning resources**

For infrastructure development and Learning resources the institute plans to

- a) Procuring high end computers required for enrichment of existing and planned courses
- b) Relocate and renovate the existing infrastructure facilities
- c) Introduce new courses in emerging areas with interdisciplinary approach

## **4. Improving governance and human resources**

For improving governance the institute plans to

- a) Apply for permanent affiliation and compliance of related requirements
- b) Recruitment of experienced, competent faculties to fulfill the requirements of cadre ratio and SFR
- c) Enhance the overall governance by upgrading the ERP facilities

## **5. Enhancing Industry Institute Interaction and Training & Placement activities**

For Enhancing Industry Institute Interaction and Training & Placement activities the institute plans to

- a) Strengthen the Industry Institute Interaction
- b) Provide opportunities to students for Industry sponsored internships and Projects.
- c) Improve the placements in Core Industries.
- d) Arrange Industry conclave

## **Plan for the period from 2021-22 to 2025-26**

- a) Devise the mechanism for continuous Assessment and evaluation to measure outcomes. Planning for accreditation of all eligible courses by NBA
- b) To develop Centres of Excellence in for Mechanical and Mechatronics discipline
- c) To initiate consultancy services through core branches
- d) In view of the increase in the student admissions, it is planned to improve the infrastructure capabilities such as increasing hostel capacity, increase the capacity of STP plant.
- e) Developing student skill sets by developing modules from first year to final year consisting of interpersonal skills, team work, communication skills, interview skills, etc.
- f) Increase activities through alumni association, leverage for guest lecturers/internships/placement

Dr. Rupesh V. Bhortake  
Principal, MMIT





## Marathwada Mitra Mandal's Institute of Technology

### Course Objective

**Year :** FIRST YEAR FIRST SEMESTER (Div A)

**Subject :** Engineering Physics( Theory | Regular )

**Course Code :** 107002

Sr.No.	Text Id	Course Objective
1	COBJ-1	To teach students basic concepts and principles of physics, relate them to laboratory experiments and their applications







## Marathwada Mitra Mandal's Institute of Technology

### Course Outcome

**Year :** FIRST YEAR - FIRST SEMESTER (Div A)

**Subject :** Engineering Physics( Theory | Regular )

**Course Code :** 107002

Sr. No.	CO Id	Course Outcome	PO/PSO
1	107002.1	Develop understanding of interference, diffraction and polarization; connect it to few engineering applications.	PO1, PO2, PO5, PO12, PO9
2	107002.2	Learn basics of lasers and optical fibers and their use in some applications.	PO1, PO2, PO5, PO12, PO9
3	107002.3	Understand concepts and principles in quantum mechanics. Relate them to some applications.	PO1, PO2, PO5, PO12
4	107002.4	Understand theory of semiconductors and their applications in some semiconductor devices	PO1, PO2, PO5, PO7, PO12, PO9
5	107002.5	Summarize basics of magnetism and superconductivity. Explore few of their technological applications.	PO1, PO2, PO5, PO7, PO12
6	107002.6	Comprehend use of concepts of physics for Non-Destructive Testing. Learn some properties of nanomaterials and their application.	PO1, PO2, PO5, PO7, PO12, PO9





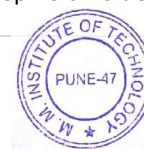
# Marathwada Mitra Mandal's Institute of Technology

Engineering Science [2022-23]

## CO PO Desired Mapping Report with Justification

### Justification

Course Outcome	Program Outcome	Level	Justification
107002.1	PO1	2	The knowledge of interference, diffraction and polarization is extended to engineering applications such as thin film, ARC, LCD.
107002.1	PO2	1	Student should be able to solve a few problems (numerical) based on a few applications.
107002.1	PO5	1	Student should be able to solve a few problems (numerical) based on a few applications.
107002.1	PO12	1	Students would perform the laboratory experiments individually or in team.
107002.1	PO9	1	This will motivate students for life-long learning of optics and their applications.
107002.2	PO1	2	The knowledge of lasers and optical fibers would be extended to engineering applications such as fiber optic communication, industrial and holography.
107002.2	PO2	1	Student should be able to solve a few problems (numerical) based on basics of optical fibers
107002.2	PO5	1	students would be utilizing some tools of measurements while performing experiments individually or in team.
107002.2	PO12	2	students would be utilizing some tools of measurements while performing experiments
107002.2	PO9	1	Students would perform the laboratory experiments individually or in team.
107002.3	PO1	2	The theoretical understanding of quantum mechanics would be extended to engineering applications STM, principles of quantum computing.
107002.3	PO2	1	Student should be able to a few problems (numerical) based on duality and energy of particle
107002.3	PO5	1	Students would be able to predict potential applications in the emerging field of quantum computing
107002.3	PO12	1	This will motivate students for life-long learning of STM, that is one of tools of nanotechnology. The basics of quantum computing would help them to prepare base for future learning.
107002.4	PO1	2	The theoretical understanding of KP model, band formation, Fermi energy would be extended for understanding semiconductors and would be extended to explain diode, Solar cell, Hall effect
107002.4	PO2	1	Student should be able to solve a few problems (numerical) based on doping concentration, Hall effect
107002.4	PO5	1	Students would be utilizing some tools for performing experiments such as bandgap energy, solar cell, Hall effect
107002.4	PO7	1	students would be utilizing some tools of measurements while performing experiments
107002.4	PO12	2	Understand the need of renewable energy source for the environment, sustainability and environmental issues.
107002.4	PO9	1	This will motivate students for life-long learning such as use of Hall effect sensors in modern day gadgets such as mobiles
107002.5	PO1	2	Extend the understanding of magnetic material with engineering applications such as magnetic storage, magneto-optical devices. Extend the knowledge of superconductors for understanding applications such as SQUID, MagLev Trains, Spintronic devices
107002.5	PO2	1	Students would be able to understand problems in traditional systems and how superconductors could be used as modern tools as transmission lines, SQUID, MEG, MRI, Spintronic devices, etc
107002.5	PO5	1	Students would be utilizing some tools for performing numerical on critical magnetic field
107002.5	PO7	1	At very basic level, students would be able to understand applications of superconductors if used in transmission lines to reduce the conventional losses and minimizing loss of energy and useful for environment and sustainability
107002.5	PO12	1	Students would be understand life long learning of magnetic materials and superconductors in memory storage & magneto optical devices, spintronic devices, MagLev trains, SQUID, Josephson effect, etc.



Course Outcome	Program Outcome	Level	Justification
107002.6	PO1	2	Students would understand a few NDT techniques, basics of nanotechnology and its few current and potential applications.
107002.6	PO2	1	They would be able to understand problem analysis and solve a few problems (numerical) such as flaw detection.
107002.6	PO5	1	At the basic level students would be able to understand modern day applications of nanotechnology in the field of targeted drug delivery, automobiles, space and defense
107002.6	PO7	1	At the basic level, students would be able to understand role of nanotechnology in few applications related with environment (removing pollutants)
107002.6	PO12	1	Students would be utilizing some tools of measurements while performing experiments individually or in team.
107002.6	PO9	1	Will understand and discuss the applications of non-destructive testing and nanomaterials for further life-long learning.





## Marathwada Mitra Mandal's Institute of Technology

### Unit Outcome

**Year :** FIRST YEAR FIRST SEMESTER (Div A)

**Subject :** Engineering Physics( Theory | Regular )

**Course Code :** 107002

Sr. No.	Id	Unit Outcome	Added By	Modified By
1	UO1-1	Revision of Basics, Test on prerequisites, EM spectrum regions and applications	Umesh Moharil	
2	UO1-2	Interference in thin film of uniform thickness	Umesh Moharil	
3	UO1-3	Interference in wedge shaped thin film; Applications of Interference - testing flatness, ARC	Umesh Moharil	
4	UO1-5	Diffraction at a slit - condition for amplitude and intensity	Umesh Moharil	
5	UO1-4	Numerical - thin film of uniform thickness, wedge shaped, ARC	Umesh Moharil	
6	UO1-6	Single Slit - Conditions for principal maxima, minima and intensities of secondary maxima	Umesh Moharil	
7	UO1-7	Diffraction at Grating, conditions for maxima and minima	Umesh Moharil	
8	UO1-8	RP & Rayleigh's criterion,	Umesh Moharil	
9	UO1-9	Numerical on single slit and diffraction	Umesh Moharil	
10	UO1-10	Basics of Polarization, Malu's Law, Numerical	Umesh Moharil	
11	UO1-11	Double refraction, Huygen's theory; Applications of polarization: LCD	Umesh Moharil	
12	UO2-1	Requirements of laser - spontaneous & stimulated emission, metastable state, Characteristics of Laser	Umesh Moharil	
13	UO2-2	CO2 laser; Single Heterojunction laser diode	Umesh Moharil	Umesh Moharil
14	UO2-3	Applications of Laser - Holography, medical, industrial	Umesh Moharil	Umesh Moharil
15	UO2-4	Basics of Fiber Optics: construction, critical angle, Total internal reflection, acceptance cone and angle, N.A.; Numerical	Umesh Moharil	
16	UO2-5	Types and classification of optical fibers - Single mode, multimode; Step index, graded index	Umesh Moharil	
17	UO2-6	Attenuation / Losses in optic fibers: absorption, dispersion, bending; Communication system: basic building blocks; Advantages of fiber optic fiber communication	Umesh Moharil	
18	UO3-1	Wave particle duality of radiation and matter; De Broglie's hypothesis of matter waves and Properties of matter waves; De Broglie wavelength - in Terms of Energy, accelerating electron	Umesh Moharil	



Sr. No.	Id	Unit Outcome	Added By	Modified By
19	UO3-2	Numerical on WPD; Concept of Phase velocity and group velocity	Umesh Moharil	
20	UO3-3	Heisenberg's Uncertainty Principle (HUP); Numerical on HUP	Umesh Moharil	
21	UO3-4	Physical significance of wave function, Probability Density [Born interpretation]; Mathematical conditions of wave function	Umesh Moharil	
22	UO3-5	Schr	Umesh Moharil	
23	UO3-6	Particle enclosed in a rigid box [infinite potential well]; Numerical on Energy of particle in rigid box	Umesh Moharil	
24	UO3-7	Tunneling Effect: alpha decay, tunnel diode, STM; Introduction to Quantum Computing	Umesh Moharil	
25	UO4-1	Limitations of Free Electron theory; Valence band, bandgap energy and conduction band; Classification of solids on the basis of band theory; Intrinsic and extrinsic SC	Umesh Moharil	
26	UO4-2	Electrical Conductivity in Metal, SC, Numerical	Umesh Moharil	
27	UO4-3	Fermi level and Fermi energy, Fermi Function; Fermi level and Fermi energy in intrinsic (derivation) and extrinsic SC (qualitative)	Umesh Moharil	
28	UO4-4	Diffusion and drift current; PN Junction diode working on the basis of Fermi Energy	Umesh Moharil	
29	UO4-5	Solar Cell, IV Characteristics, Ways to improve efficiency of solar cell	Umesh Moharil	
30	UO4-6	Hall effect, Hall coefficient, Numerical on Hall effect, Hall Coefficient	Umesh Moharil	
31	UO5-1	Basic Terms in Magnetism; Origin of Magnetism	Umesh Moharil	
32	UO5-2	Classification of Magnetism based on permeability and susceptibility	Umesh Moharil	
33	UO5-3	Applications of Magnetic Materials - Transformer Core, Magnetic Recording, Magneto-Optical Recording	Umesh Moharil	
34	UO5-4	Parameters of Superconductivity - Definitions, Zero electric current, critical magnetic field, persistent current; Numerical on Critical Magnetic Field	Umesh Moharil	
35	UO5-5	Meissner Effect; Type I, II superconductors	Umesh Moharil	
36	UO5-6	DC, AC Josephson Effect; SQUID, Applications; Applications of Superconductivity	Umesh Moharil	
37	UO6-1	"Destructive and NDT - Objectives, Comparison; Classification of NDT"; Acoustic Emission Technique, Radiography Techniques	Umesh Moharil	
38	UO6-2	Ultrasonic Testing - Gauge Measurement, Flaw Detection, Numerical	Umesh Moharil	
39	UO6-3	Introduction to Nanotechnology, Quantum Confinement; Properties of Nanoparticles - Optical, Electrical, Mechanical	Umesh Moharil	Umesh Moharil
40	UO6-4	Applications of Nanotechnology - Medicine, Electronics, Space & Defense, Automobile	Umesh Moharil	



Module List

Engineering Physics [ FIRST SEMESTER (Div A) - Umesh Moharil ]

Action

<input type="checkbox"/>	#	Module	Type	% Weightage	Syllabus	Marks	Duration (Minutes)	Date	Threshold
<input type="checkbox"/>	1	SPPU IN-Semester Jan 2023	External	80	Units 1, 2 - Wave optics, Lasers &...	30	60	Tue Jan 10 2023	40
<input type="checkbox"/>	2	Unit Test (Units 1, 2)	Internal	20	Units 1, 2 - Wave optics, Lasers &...	30	60	Sat Dec 24 2022	40
<input type="checkbox"/>	3	Assignment - Unit 3	Internal	20	Unit 3 - Quantum Mechanics	20	60	Tue Jan 24 2023	40
<input type="checkbox"/>	4	Class Test - Unit 4	Internal	20	Unit 4 - Semiconductor Physics	30	60	Fri Jan 27 2023	40
<input type="checkbox"/>	5	Term End Exam - Units 5, 6	Internal	20	Units 5 and 6	70	150	Thu Mar 02 2023	40
<input type="checkbox"/>	6	SPPU END-Semester Mar 2023	External	80	Units 3, 4, 5, 6	70	150	Sat Mar 18 2023	40





Marathwada Mitra Mandal's Institute of Technology

**Marks Sheet [ Theory ]**

**Class Test - Unit 4 ( FIRST SEMESTER (Div A) )**

**Date: 27/01/23 Subject: Engineering Physics**

S.No.	Roll No.	Marks Obtained
1	101	10
2	102	12
3	103	19
4	104	16
5	105	26
6	106	14
7	107	AB
8	108	AB
9	109	26
10	110	AB
11	111	12
12	112	22
13	113	2
14	114	12
15	115	AB
16	116	0
17	117	17
18	118	12
19	119	AB
20	120	19
21	121	12
22	122	12
23	123	3
24	124	AB
25	125	0

S.No.	Roll No.	Marks Obtained
26	126	24
27	127	4
28	128	0
29	129	AB
30	130	20
31	131	0
32	132	AB
33	133	0
34	134	12
35	135	13
36	136	0
37	137	16
38	138	12
39	139	0
40	140	AB
41	141	12
42	142	12
43	143	18
44	144	12
45	145	26
46	146	12
47	147	12
48	148	0
49	149	12
50	150	14

S.No.	Roll No.	Marks Obtained
51	151	24
52	152	16
53	153	1
54	154	AB
55	155	12
56	156	12
57	157	12
58	158	12
59	159	12
60	160	12
61	161	18
62	162	15

**Analysis of Class Test - Unit 4 ( 2022-23 ) [ Theory ]**

Sr. No.	Subject Code	Name of Subject	Theory / Practical	Marks Obtained Lowest	Marks Obtained Highest	No. of Student appeared	No. of Student pass	% Pass (Out of Total Students)	% Pass (Out of Present Students)	% of Student Above 60%
1	107002	Engineering Physics	Theory	0	26	52	39	62.90	75.00	17.74



**Signature of subject teacher (Umesh Moharil )**



Marathwada Mitra Mandal's Institute of Technology

Marks Sheet [ Theory ]

Unit Test (Units 1, 2) ( FIRST SEMESTER (Div A) )

Date: 24/12/22 Subject: Engineering Physics

S.No.	Roll No.	Marks Obtained
1	101	22
2	102	10
3	103	18
4	104	6
5	105	23
6	106	3
7	107	0
8	108	0
9	109	29
10	110	0
11	111	6
12	112	22
13	113	0
14	114	0
15	115	5
16	116	11
17	117	10
18	118	15
19	119	0
20	120	17
21	121	25
22	122	18
23	123	4
24	124	3
25	125	10

S.No.	Roll No.	Marks Obtained
26	126	25
27	127	1
28	128	10
29	129	0
30	130	9
31	131	10
32	132	5
33	133	9
34	134	1
35	135	21
36	136	16
37	137	21
38	138	22
39	139	14
40	140	0
41	141	1
42	142	18
43	143	11
44	144	10
45	145	21
46	146	6
47	147	12
48	148	10
49	149	14
50	150	12

S.No.	Roll No.	Marks Obtained
51	151	18
52	152	13
53	153	20
54	154	1
55	155	10
56	156	16
57	157	2
58	158	16
59	159	22
60	160	16
61	161	10
62	162	11

Analysis of Unit Test (Units 1, 2) ( 2022-23 ) [ Theory ]

Sr. No.	Subject Code	Name of Subject	Theory / Practical	Marks Obtained Lowest	Marks Obtained Highest	No. of Student appeared	No. of Student pass	% Pass (Out of Total Students)	% Pass (Out of Present Students)	% of Student Above 60%
1	107002	Engineering Physics	Theory	0	29	62	27	43.55	43.55	25.81

Signature of subject teacher (Umesh Moharil )







Marathwada Mitra Mandal's Institute of Technology

Marks Sheet [ Theory ]

Assignment - Unit 3 ( FIRST SEMESTER (Div A) )

Date: 24/01/23 Subject: Engineering Physics

S.No.	Roll No.	Marks Obtained
1	101	18
2	102	18
3	103	18
4	104	18
5	105	18
6	106	0
7	107	18
8	108	0
9	109	18
10	110	18
11	111	18
12	112	0
13	113	18
14	114	0
15	115	0
16	116	18
17	117	18
18	118	18
19	119	0
20	120	18
21	121	18
22	122	18
23	123	18
24	124	18
25	125	18

S.No.	Roll No.	Marks Obtained
26	126	18
27	127	18
28	128	10
29	129	10
30	130	0
31	131	0
32	132	0
33	133	18
34	134	18
35	135	18
36	136	18
37	137	18
38	138	18
39	139	18
40	140	0
41	141	18
42	142	18
43	143	18
44	144	18
45	145	18
46	146	18
47	147	18
48	148	0
49	149	0
50	150	18

S.No.	Roll No.	Marks Obtained
51	151	18
52	152	18
53	153	0
54	154	0
55	155	18
56	156	18
57	157	18
58	158	18
59	159	18
60	160	18
61	161	18
62	162	18

Analysis of Assignment - Unit 3 ( 2022-23 ) [ Theory ]

Sr. No.	Subject Code	Name of Subject	Theory / Practical	Marks Obtained Lowest	Marks Obtained Highest	No. of Student appeared	No. of Student pass	% Pass (Out of Total Students)	% Pass (Out of Present Students)	% of Student Above 60%
1	107002	Engineering Physics	Theory	0	18	62	48	77.42	77.42	74.19

Signature of subject teacher (Umesh Moharil )





Marathwada Mitra Mandal's Institute of Technology

**Marks Sheet [ Theory ]**

**Term End Exam - Units 5, 6 ( FIRST SEMESTER (Div A) )**

**Date: 02/03/23 Subject: Engineering Physics**

S.No.	Roll No.	Marks Obtained
1	101	43
2	102	AB
3	103	29
4	104	12
5	105	39
6	106	15
7	107	11
8	108	AB
9	109	46
10	110	0
11	111	15
12	112	43
13	113	3
14	114	2
15	115	30
16	116	4
17	117	15
18	118	AB
19	119	0
20	120	50
21	121	5
22	122	29
23	123	AB
24	124	AB
25	125	AB

S.No.	Roll No.	Marks Obtained
26	126	53
27	127	6
28	128	AB
29	129	AB
30	130	22
31	131	7
32	132	AB
33	133	29
34	134	10
35	135	40
36	136	29
37	137	38
38	138	AB
39	139	11
40	140	AB
41	141	0
42	142	35
43	143	29
44	144	30
45	145	40
46	146	23
47	147	10
48	148	22
49	149	AB
50	150	AB

S.No.	Roll No.	Marks Obtained
51	151	27
52	152	45
53	153	42
54	154	AB
55	155	AB
56	156	35
57	157	42
58	158	41
59	159	54
60	160	18
61	161	17
62	162	16

**Analysis of Term End Exam - Units 5, 6 ( 2022-23 ) [ Theory ]**

Sr. No.	Subject Code	Name of Subject	Theory / Practical	Marks Obtained Lowest	Marks Obtained Highest	No. of Student appeared	No. of Student pass	% Pass (Out of Total Students)	% Pass (Out of Present Students)	% of Student Above 60%
1	107002	Engineering Physics	Theory	0	54	47	23	37.10	48.94	14.52

**Signature of subject teacher (Umesh Moharil )**





Marathwada Mitra Mandal's Institute of Technology

Marks Sheet [ Theory ]

SPPU IN-Semester Jan 2023 ( FIRST SEMESTER (Div A) )

Date: 10/01/23 Subject: Engineering Physics

S.No.	Roll No.	Marks Obtained
1	101	23
2	102	12
3	103	20
4	104	8
5	105	22
6	106	12
7	107	0
8	108	0
9	109	30
10	110	0
11	111	12
12	112	27
13	113	0
14	114	4
15	115	8
16	116	9
17	117	21
18	118	15
19	119	1
20	120	28
21	121	25
22	122	16
23	123	4
24	124	2
25	125	13

S.No.	Roll No.	Marks Obtained
26	126	28
27	127	3
28	128	13
29	129	4
30	130	12
31	131	12
32	132	7
33	133	12
34	134	3
35	135	24
36	136	16
37	137	22
38	138	23
39	139	13
40	140	0
41	141	1
42	142	19
43	143	12
44	144	12
45	145	24
46	146	12
47	147	16
48	148	12
49	149	13
50	150	15

S.No.	Roll No.	Marks Obtained
51	151	18
52	152	16
53	153	23
54	154	1
55	155	12
56	156	20
57	157	14
58	158	18
59	159	23
60	160	15
61	161	12
62	162	12

Analysis of SPPU IN-Semester Jan 2023 ( 2022-23 ) [ Theory ]

Sr. No.	Subject Code	Name of Subject	Theory / Practical	Marks Obtained Lowest	Marks Obtained Highest	No. of Student appeared	No. of Student pass	% Pass (Out of Total Students)	% Pass (Out of Present Students)	% of Student Above 60%
1	107002	Engineering Physics	Theory	0	30	62	44	70.97	70.97	30.65

Signature of subject teacher (Umesh Moharil )





Marathwada Mitra Mandal's Institute of Technology

Marks Sheet [ Theory ]

SPPU END-Semester Mar 2023 ( FIRST SEMESTER (Div A) )

Date: 18/03/23 Subject: Engineering Physics

S.No.	Roll No.	Marks Obtained
1	101	56
2	102	29
3	103	43
4	104	32
5	105	39
6	106	13
7	107	4
8	108	0
9	109	43
10	110	8
11	111	29
12	112	55
13	113	4
14	114	9
15	115	24
16	116	31
17	117	53
18	118	31
19	119	2
20	120	37
21	121	28
22	122	28
23	123	21
24	124	20
25	125	22

S.No.	Roll No.	Marks Obtained
26	126	54
27	127	14
28	128	6
29	129	8
30	130	30
31	131	31
32	132	37
33	133	28
34	134	37
35	135	44
36	136	43
37	137	32
38	138	34
39	139	16
40	140	4
41	141	2
42	142	36
43	143	46
44	144	19
45	145	38
46	146	28
47	147	17
48	148	29
49	149	23
50	150	30

S.No.	Roll No.	Marks Obtained
51	151	53
52	152	41
53	153	42
54	154	0
55	155	18
56	156	53
57	157	34
58	158	31
59	159	46
60	160	21
61	161	32
62	162	33

Analysis of SPPU END-Semester Mar 2023 ( 2022-23 ) [ Theory ]

Sr. No.	Subject Code	Name of Subject	Theory / Practical	Marks Obtained Lowest	Marks Obtained Highest	No. of Student appeared	No. of Student pass	% Pass (Out of Total Students)	% Pass (Out of Present Students)	% of Student Above 60%
1	107002	Engineering Physics	Theory	0	56	62	39	62.90	62.90	20.97

Signature of subject teacher (Umesh Moharil )



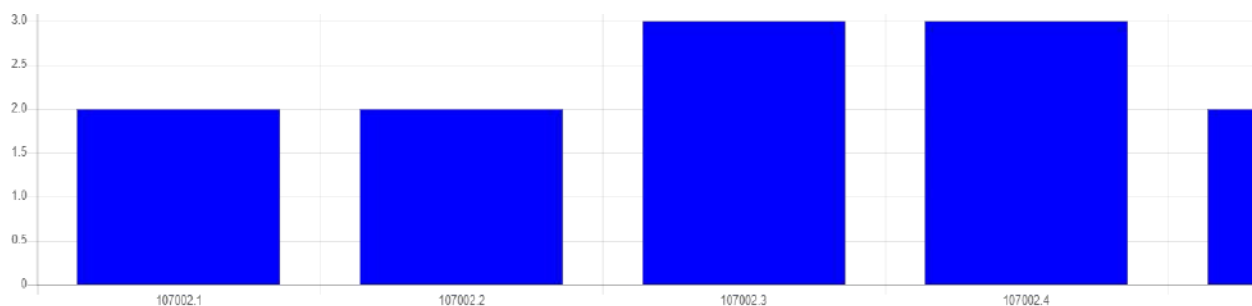


## Marathwada Mitra Mandal's Institute of Technology

Engineering Physics - Theory (2022-23) [ Umesh Moharil ]

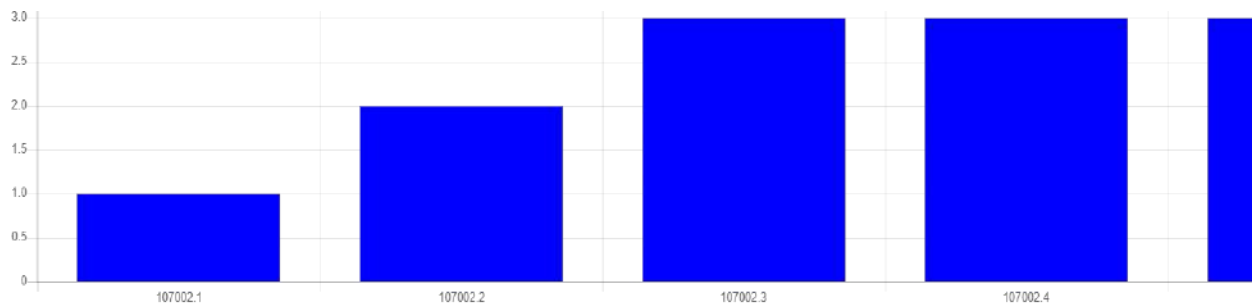
### Internal Assessment

Title	Type	% Weightage	107002.1	107002.2	107002.3	107002.4	107002.5	107002.6
Unit Test (Units 1, 2)	Internal	20	0.40	0.40				
Assignment - Unit 3	Internal	20			0.60			
Class Test - Unit 4	Internal	20				0.60		
Term End Exam - Units 5, 6	Internal	20					0.40	0.40
Percent course outcome weightage			20.00	20.00	20.00	20.00	20.00	20.00
Attainment as per percent weightage			0.40	0.40	0.60	0.60	0.40	0.40
Final attainment			2	2	3	3	2	2



### External Assessment

Title	Type	% Weightage	107002.1	107002.2	107002.3	107002.4	107002.5	107002.6
SPPU IN-Semester Jan 2023	External	80	0.80	1.60				
SPPU END-Semester Mar 2023	External	80			2.40	2.40	2.40	2.40
Percent course outcome weightage			80.00	80.00	80.00	80.00	80.00	80.00
Attainment as per percent weightage			0.8	1.6	2.4	2.4	2.4	2.4
Final attainment			1	2	3	3	3	3

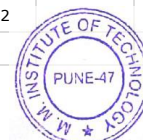


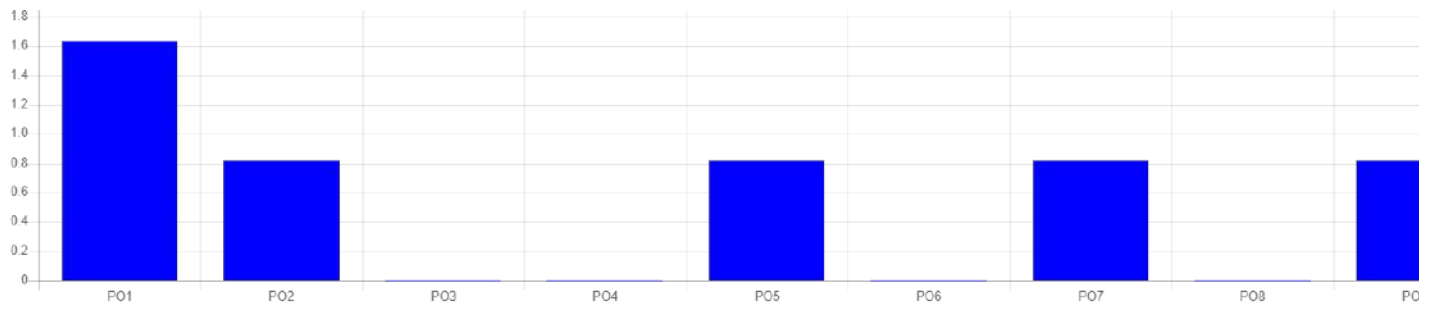
### Direct Total Attainment


Course Outcome	Internal	External
107002.1	2.00	1.00
107002.2	2.00	2.00
107002.3	3.00	3.00
107002.4	3.00	3.00
107002.5	2.00	3.00
107002.6	2.00	3.00
Average	2.33	2.50
Weightage	20	80
Direct Total Attainment	0.47	2.00
Final Direct Course Attainment	2.47	

### Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Final Attainment	1.64	0.82			0.82		0.82		0.82			1.09
Percentage	54.67	27.33			27.33		27.33	36.33			27.33	





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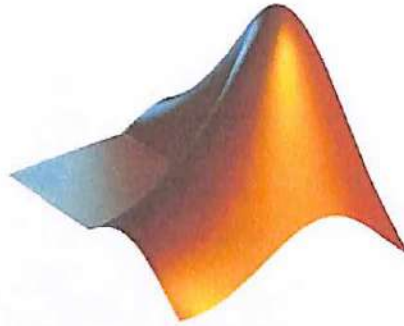


A REPORT ON

Add On Course On

"MATLAB Programming for Numerical Computation "

21/09/22 TO 13/10/22



Organized By



"\*\* येथे बदलाचे हित \*\*"

Department of Mechatronics Engineering

MarathwadaMitra Mandal's Institute of Technology, Lohgaon,  
Pune

Approved by AICTE New Delhi, Recognized by DTE Maharashtra & Affiliated to SavitribaiPhule Pune,  
NAAC "A" Accredited Institute



### Chief Patrons

Shri. S. D. Ganage  
President, MarathwadaMitra Mandal, Pune

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Dr. R. V. Bhortake  
Principal, MMIT, Lohgaon, Pune

### Convenor

Dr. Anjali Joshi  
Head of Department, Mechatronics Engineering, MMIT, Lohgaon, Pune

### Coordinator

Prof. Sonali S Patil  
Assistant Professor, Mechatronics Engineering, MMIT, Lohgaon, Pune

The add-on course aims to introduce the MATLAB Environment. The add on course will give insight into the programming using MATLAB. The participants come to know MATLAB usage for different work conditions.





## Agenda:

1. Basics of MATLAB Programming
2. Array operations in MATLAB
3. Loops and execution control
4. Working with files: Scripts and Functions
5. Plotting and program output.
6. Approximations and Errors
7. Numerical Differentiation in single variable
8. Differentiation in multiple variables
9. Newton-Cotes integration formulae
10. Linear algebra in MATLAB.

## Learning Outcomes:

This course introduces students to MATLAB programming, and demonstrates its use for scientific computations. The basis of computational techniques is expounded through various coding examples and problems and practical ways to use MATLAB is discussed. Students learned the basics of MATLAB programming and got introduced to numerical methods for engineering problems. Students are able to use MATLAB to solve computational problems.

## The details about Add on course:

Title of Add on course : Add-On course On "Matlab Programming for Numerical Computation"

**Date:** 21st Sep to 13rd Oct 2022 **Duration :** 40Hrs.

**After successful completion of add on course the Question Answer session was organized for participants.**



### **Vote of thanks:**

Dr Anjali Joshi, Head of Mechatronics Engineering, expressed thanks to Management for supporting and to Principal for motivating to arrange the add-on course. The participants of the course wish to thank resource person, and all the staff from MMIT for their dedication to show all aspects of the process, making the add-on course a valuable learning experience. Prof Sonali Patil has coordinated the course very well.

The course was concluded with a vote of thanks and feedback of Participants. After submission of Participants feedback, E-Certificate provided to Participants.

### **Images of add on course:**







## List of Participants:



Marathwada Mitra Mandals  
Institute of Technology, Lohason, Pune  
Academic Year 2022-23 Sem I

Mechatronics Engineering Department

Add On Course On 21<sup>st</sup> Sep to 13<sup>th</sup> Oct 2022.

"Matlab Programming for Numerical Computation"

Sl. No.	Roll No.	Name	21/9	22/9	23/9	24/9	25/9	26/9	27/9	28/9	29/9	30/9	01/10
1	TMX01	AMBRE AYUSH AJIT	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
2	TMX02	AMBRE PIYUSH AJIT	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
3	TMX03	BHONDAVE SAURABH G	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
4	TMX04	DESHMUKH PRATHAMESH	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
5	TMX05	DESHMUKH SANGRAMRAJE	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
6	TMX06	DHORE AKANKSHA DIGAMBAR	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
7	TMX07	GADHE BRAGYSHRI S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
8	TMX08	GAIKWAD LEENA TANAJI	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
9	TMX09	KACHARE PRATHAMESH ANIL	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
10	TMX10	KADAM AVISHKA UMESH	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
11	TMX11	KAMBLE PRITEE PRADIP	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
12	TMX12	KAPSE SURAJ VISHWAS	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
13	TMX13	KILKAT OMKAR BHASHIKANT	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
14	TMX14	LAWAND OMKAR BAJIRAO	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
15	TMX15	MAHAJAN GOVATI VIRENDRA	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
16	TMX16	MAHAJAN NIRAJ OMKAR	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
17	TMX17	MAKANA GAURAV HITEN	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
18	TMX18	MALEKAR SHARAYU NANASAHEB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
19	TMX19	MAWAL AISHWARYA PANKAJ	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
20	TMX20	NARALE PRATHAMESH DHANANJAY	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
21	TMX21	NAWALE SHUBHAM MAHESH	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
22	TMX22	NIKALJE SAHIL HARAYAN	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
23	TMX23	PALANDE YASHRAJ RAVINDRA	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
24	TMX24	PANDEY ABHISHEK MAHENDRA	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
25	TMX25	SHINGOTE ABHJEET DINKAR	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
26	TMX26	THAKUR KARAN RAMESH	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
27	TMX27	VARPE HARSHVARDHAN MADAN	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
28	TMX28	VISHWAKARMA ABHINAV SUBHASH	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
29	TMX29	JAIN VRUSHABH DILIP	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
30	TMX30	GAIKWAD ABHISHEK SUNIL	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
31	TMX31	BHAGWAT MAYUR VASANT	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
32	TMX32	CHENNUR OMKAR GURUPRASAD	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
33	TMX33	HAREL ABHISHEK RAJENDRA	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
34	TMX34	DESHPANDE SAMEER NAGESH	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
35	TMX35	BARAPATRE ANAND NARENDRA	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
36	TMX36	PALANDE PRASAD RAVINDRA	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
37	TMX37	AYUSH KARPE VASUDEV	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB





Marathwada Mitra Mandals  
Institute of Technology, Lohgaon, Pune  
Academic Year 2022-23 Sem I

Mechatronics Engineering Department

Add On Course On 21<sup>st</sup> Sep to 13<sup>th</sup> Oct 2022

"Matlab Programming for Numerical Computation"

		Dates										
	Name	1/10	6/10	7/10	8/10	10/10	11/10	12/10	13/10			
1	TMX01 AMERE AYUSH AJIT	Amere	Amere	Amere	Amere	Amere	Amere	Amere	Amere			
2	TMX02 AMERE PIYUSH AJIT	Amere	Amere	Amere	Amere	Amere	Amere	Amere	Amere			
3	TMX03 BHONDAVE SAURABH G	Bhon	Bhon	Bhon	Bhon	Bhon	Bhon	Bhon	Bhon			
4	TMX04 DESHMUKH PRATHAMESH	Desh	Desh	Desh	Desh	Desh	Desh	Desh	Desh			
5	TMX05 DESHMUKH SANGRAM RAJE	Desh	Desh	Desh	Desh	Desh	Desh	Desh	Desh			
6	TMX06 DHORE AKANKSHA DIGAMBAR	Dhore	Dhore	Dhore	Dhore	Dhore	Dhore	Dhore	Dhore			
7	TMX07 GADHE BHAGYSHRI S	Gadhe	Gadhe	Gadhe	Gadhe	Gadhe	Gadhe	Gadhe	Gadhe			
8	TMX08 GAIKWAD LEENA TANAJI	Gai	Gai	Gai	Gai	Gai	Gai	Gai	Gai			
9	TMX09 KACHARE PRATHAMESH ANIL	Kach	Kach	Kach	Kach	Kach	Kach	Kach	Kach			
10	TMX10 KADAM AVISHKA UMESH	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam			
11	TMX11 KAMBLE PRITEE PRADIP	Kam	Kam	Kam	Kam	Kam	Kam	Kam	Kam			
12	TMX12 KAPSE SURAJ VISHWAS	Kap	Kap	Kap	Kap	Kap	Kap	Kap	Kap			
13	TMX13 KHARAT OMKAR SHASHIKANT	Khar	Khar	Khar	Khar	Khar	Khar	Khar	Khar			
14	TMX14 LAWAND OMKAR BAJIRAO	Law	Law	Law	Law	Law	Law	Law	Law			
15	TMX15 MAHAJAN GOVATI VIRENDRA	Maha	Maha	Maha	Maha	Maha	Maha	Maha	Maha			
16	TMX16 MAHAJAN NIRAJ ONKAR	Maha	Maha	Maha	Maha	Maha	Maha	Maha	Maha			
17	TMX17 MAKYANA GAURAV HITEN	Maky	Maky	Maky	Maky	Maky	Maky	Maky	Maky			
18	TMX18 MALEKAR SHARAYU NANASAHEB	Male	Male	Male	Male	Male	Male	Male	Male			
19	TMX19 MAWAL AISHWARYA PANKAJ	Mawa	Mawa	Mawa	Mawa	Mawa	Mawa	Mawa	Mawa			
20	TMX20 NARALE PRATHMESH DHANANJAY	Nara	Nara	Nara	Nara	Nara	Nara	Nara	Nara			
21	TMX21 NAWALE SHUBHAM MAHESH	Nawa	Nawa	Nawa	Nawa	Nawa	Nawa	Nawa	Nawa			
22	TMX22 NIKALJE SAHIL NARAYAN	Nika	Nika	Nika	Nika	Nika	Nika	Nika	Nika			
23	TMX23 PALANDE YASHRAJ RAVINDRA	Pala	Pala	Pala	Pala	Pala	Pala	Pala	Pala			
24	TMX24 PANDEY ABHISHEK MAHENDRA	Pand	Pand	Pand	Pand	Pand	Pand	Pand	Pand			
25	TMX25 SHINGOTE ABHIJEET DINKAR	Shin	Shin	Shin	Shin	Shin	Shin	Shin	Shin			
26	TMX26 THAKUR KARAN RAMESH	Thak	Thak	Thak	Thak	Thak	Thak	Thak	Thak			
27	TMX27 VARPE HARSHVARDHAN MADAN	Varp	Varp	Varp	Varp	Varp	Varp	Varp	Varp			
28	TMX28 VISHWAKARMA ABHINAV SUBHASH	Vish	Vish	Vish	Vish	Vish	Vish	Vish	Vish			
29	TMX29 JAIN VRUSHABH DILIP	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain			
30	TMX30 GAIKWAD ABHISHEK SUNIL	Gai	Gai	Gai	Gai	Gai	Gai	Gai	Gai			
31	TMX31 BHAGVAT MAYUR VASANT	Bhag	Bhag	Bhag	Bhag	Bhag	Bhag	Bhag	Bhag			
32	TMX32 CHENNUR OMKAR GURUPRASAD	Chen	Chen	Chen	Chen	Chen	Chen	Chen	Chen			
33	TMX33 HAREL ABHISHEK RAJENDRA	Hare	Hare	Hare	Hare	Hare	Hare	Hare	Hare			
34	TMX34 DESHPANDE SAMEER NAGESH	Des	Des	Des	Des	Des	Des	Des	Des			
35	TMX35 BARAPATRE ANAND NARENDRA	Bara	Bara	Bara	Bara	Bara	Bara	Bara	Bara			
36	TMX36 PALANDE PRASAD RAVINDRA	Pala	Pala	Pala	Pala	Pala	Pala	Pala	Pala			
37	TMX37 AYUSH KARPE VASUDEV	Ayus	Ayus	Ayus	Ayus	Ayus	Ayus	Ayus	Ayus			





## Sample Certificate:



*Sonali S Patil*

Sonali S Patil

Faculty Coordinator

*Dr A J Joshi*

Dr A J Joshi

Head of Mechatronics Engineering  
Department



Date: 01/09/2022

**NOTICE**

**Functional Committee –Industry Institute Interaction (I-I-I)**

**Dean - Research & Industry Relations**

**Academic Year 2022-23 (Sem-I)**


All the members of Industry Institute Interaction (I-I-I) committee are hereby informed to attend the meeting on 02/09/2022 at 03.00 p.m. in the Syndicate Room.

**Industry Institute Interaction (I-I-I) Committee Members:**


Sr. No.	Name of Committee Member	Designation
1	Mr. S. A. Agrawal	Functional Head
2	Mr. D. M. Bhoge	Member (Dept. Coordinator)
3	Ms. P. D. Shinde	Member (Dept. Coordinator)
4	Mr. S. S. Chaudhari	Member (Dept. Coordinator)

**Agenda of the meeting is as follows:**

- Collection of reports of from June to August 2022
- Review of collected reports
- Planning of department

  
Prof. S. A. Agrawal  
Functional Head



  
Prof. A. S. Bhanage  
Dean, R&IR

Date: 03/09/2022

### Minutes of Meeting

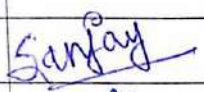
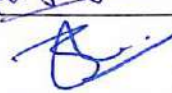
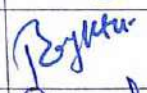
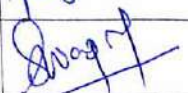
**Functional Committee - Industry Institute Interaction (I-I-I)**

**Dean - Research & Industry Relations**

**Academic Year 2022-23 (Sem-I)**

All the members of Industry Institute Interaction (I-I-I) committee are hereby informed to take note of the minutes of meeting held on 02/09/2022 at 03.00 p.m. at Syndicate Room. All are requested to go through it and follow the same.

The following members were present for meeting:

Industry Institute Interaction (I-I-I) Committee				
Sr. No.	Name of Committee Member	Designation	Department	Sign
1	Mr. S. A. Agrawal	Functional Head	Computer & AI&DS	
2	Mr. D. M. Bhoge	Member (Dept. Coordinator)	Mechanical & Mechatronics	
3	Ms. P. D. Shinde	Member (Dept. Coordinator)	Civil & Engg. Sci.	
4	Mr. S. S. Chaudhari	Member (Dept. Coordinator)	Computer & AI&DS	

The following points were discussed and finalized in meeting:

**Agenda of the meeting is as follows:**

- a) Collection of reports of June to August 2022
- b) Review of collected reports

#### **Points discussed:**

- a) It is decided that the department coordinator submit the count of faculties who had interacted with industries during June to August 2022 on or before 10/09/2022. The intimation letter was issued to the entire faculty who had not visited the industry in the month of June & July 2022.
- b) Department coordinators are directed to make it compulsory for the faculty (who have not visited in the month of June, July & August 2022) to visit at least one industry per month.
- c) Department coordinators are informed to take a review of proposed action mentioned in submitted reports.





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Lohgaon, Pune- 411 047

Accredited with “A” Grade by NAAC

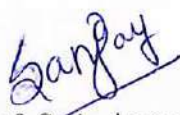
**Functional Committee – Industry Institute Interaction (I-I-I)**

**Dean - Research & Industry Relations**

Date: 13/09/2022

**COMPLIANCE/ACTION TAKEN REPORT**

Sr. No.	Activity Planned/Discussed Point	Action Taken
1.	Report Collection	Department coordinator submitted all report of June, July & August 2022 on 12/09/2022 Mechanical & Mechatronics: 14 Computer and AI & DS: 06 Civil & FE: 03
2.	Intimation Letter	Letter was issued on 18/08/2022

  
Prof. S. A. Agrawal  
Functional Head





Date: 01/09/2022

**NOTICE**

All the members of Industry Institute Interaction (I-I-I) committee are requested to attend the meeting on Thursday, 2<sup>nd</sup> September 2022 at 03:00 pm in Syndicate Room.

Agenda of the meeting is as follows

- Collection of report of August 2022
- Review of collected reports
- Decide the target for the department

*Sanjay*

**Functional Head (I-I-I)**

Industry Institute Interaction (I-I-I) Committee				
Sr. No.	Name of Committee Member	Designation	Department	Sign
1	Mr. D. M. Bhoge	Member (Dept. Coordinator)	Mechanical & Mechatronics	<i>B</i>
2	Mr. S. S. Chaudhari	Member (Dept. Coordinator)	Computer & AI&DS	<i>Sanjay</i>
3	Ms. P. D. Shinde	Member (Dept. Coordinator)	Civil & Engg. Sci.	<i>Bayan</i>



Date: 03/09/2022

**Minutes of Meeting**

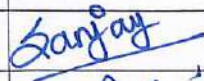
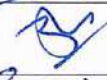
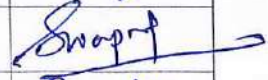
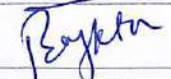
**Functional Committee –Industry Institute Interaction (I-I-I)**

**Academic Year 2022-23 (Sem-I)**

All the members of Industry Institute Interaction (I-I-I) committee are hereby informed to take note of the minutes of meeting held on 02/09/2022 at 03:00 p.m. at Syndicate Room. All are requested to go through it and follow the same.

**Minutes of meeting:**

1. Department coordinator has submitted the count of faculty who had interacted with industry during August 2022.
2. The intimation letter was issued to that entire faculty who had not visited the industry in the month of June & July 2022.
3. Department coordinators are informed that to make compulsory to the faculty (who not visited in the month of June, July & August 2022) should visit at least one industry per month.
4. Department coordinators are informed that take a review of proposed action mentioned in submitted reports.

Industry Institute Interaction (I-I-I) Committee				
Sr. No.	Name of Committee Member	Designation	Department	Sign
1	Mr. S. A. Agrawal	Functional Head	Computer & AI&DS	
2	Mr. D. M. Bhoge	Member (Dept. Coordinator)	Mechanical & Mechatronics	
3	Mr. S. S. Chaudhari	Member (Dept. Coordinator)	Computer & AI&DS	
4	Ms. P. D. Shinde	Member (Dept. Coordinator)	Civil & Engg. Sci.	



## Industry Institute Interaction Report

### Details of Faculty Liasoning with Industry (A.Y. 2022-23)

Name of Faculty Coordinator: Mr. Chaitanya S Bhosale

Name of Faculty(Group) Members (if any): NA

Department: Computer Engineering

Date of Visit: 10/10/2022

Name of Contact Person: Mr. Chirag Kothari

Contact Number: 98909 09402

Name & Address of Industry: ITESKUL, 3/13 Uttam Towers, Opposite Agakhan Palace. Nagar Road. Pune- 411006

### Profile of Industry:

ITESKUL (read as I-T-School) established in 2001, are an education and training institute, providing quality classroom courses in Foreign Languages, English Communication and Computers. A combination of expert advisers, experienced faculty and learning focused environment make us one of the leading training institutes in Pune.

Since our inception, we have successfully trained over 50,000+ students of different age groups, and with varied educational and professional backgrounds at our institute. Our courses provide the students an opportunity to explore their creative side through interactive learning and develop skills that will aide their personal and professional development.

ITESKUL is the only exam center in Pune to conduct ECL language examinations.

ECL (European Consortium of Languages) Certificate of Attainment in Modern Languages is an internationally recognized certification exam conducted from A2 to C1 levels. We currently offer the exams in German, French, Spanish.

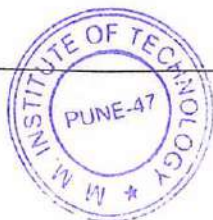
### Details of Visit:

1. We were discussed the following points with co-founder Mr. Chirag Kothari related to Expert Training, Guest Lecture, International Certification etc.

### Proposed/Expected Output/Activity from Visit:

1. So in related to above discussed points Mr. Chirag Kothari sir is ready to provide Expert Training, Guest Lecture, International Certification like Foreign Languages Courses (Basic & Advanced level) to our students on invitation from college.

2. We are signing the MOU.





**Actual outcome from Visit:**

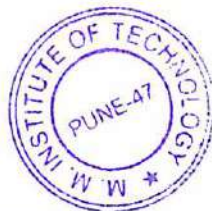
(Note: Fill these details after fulfill/conduction of proposed activity mentioned in above table)

- 1) MOU Signed with ITESKUL
- 2) Guest lecture conducted on Foreign Language.

Name & Signature of Faculty Mr. Chaitanya S Bhosale

Dept. Coordinator

Enclosure: Photos of interaction



Functional Head of Committee



## Memorandum of Understanding

This Memorandum of Understanding (the Memorandum) is made on 06<sup>th</sup> March 2023 by and between **ITESKUL**, of Pune, Maharashtra, hereinafter referred to as **ITESKUL** and **Marathwada Mitramandal's Institute of Technology (MMIT)**, Lohegaon of Pune, Maharashtra, hereinafter referred to as **MMIT** for the purpose of achieving the various aims and objectives relating to the **On-campus Foreign Language Training** (the Project).

WHEREAS **ITESKUL** and **MMIT** desire to enter into an agreement in which **ITESKUL** and **MMIT** will work together to complete the Project;

AND WHEREAS **ITESKUL** and **MMIT** are desirous to enter into a Memorandum of Understanding between them, setting out the working arrangements that each of the partners agree are necessary to complete the Project;

### Purpose

The purpose of this Memorandum is to provide the framework for any future binding contract regarding the **Language Training** between **ITESKUL** and **MMIT**.

### Obligations of the Partners

The Partners acknowledge that no contractual relationship is created between them by this Memorandum, but agree to work together in the true spirit of partnership to ensure that there is a united visible and responsive leadership of the Project and to demonstrate financial, administrative and managerial commitment to the Project by means of the following individual services.

### Cooperation

The activities and services for the Project shall include, but not limited to:

- a. Services to be rendered by **ITESKUL** include (everything at **MMIT**):
  - Conduct Training for Foreign Language(s)
- b. Services to be rendered by **MMIT** include:
  - Classroom with audio/video facilities for the trainer
  - Provide study material including textbooks, practice sheets and assignment sheets to participants



**FOR ITESKUL**  
*Ching Kolhar*  
**PROPRIETOR**

### Communication Strategy

Marketing of the vision and any media or other public relations contact should always be consistent with the aims of the Project and only undertaken with the express agreement of both partners. Where it does not breach any confidentiality protocols, a spirit of open and transparent communication should be adhered to. Co-coordinated communications should be made with



external organizations to elicit their support and further the aims of the Project.

### **Compensation and Reimbursement**

ITESKUL will be reimbursed based on the below terms:

- Course fees after course completion

### **Liability**

No liability will arise or be assumed between the Partners as a result of this Memorandum.

### **Dispute Resolution**

In the event of a dispute between the Partners in the negotiation of the final binding contract relating to this Project, a dispute resolution group will convene consisting of the Chief Executives of each of the Partners together with one other person independent of the Partners appointed by the Chief Executives. The dispute resolution group may receive for consideration any information it thinks fit concerning the dispute. The Partners agree that a decision of the dispute resolution group will be final. In the event the dispute resolution group is unable to make a compromise and reach a final decision, it is understood that neither party is obligated to enter into any binding contract to complete the Project.

### **Term**

The arrangements made by the Partners by this Memorandum shall remain in place from 01/03/23 to 28/02/2028. The term can be extended only by agreement of all of the Partners.

### **Notice**

Any notice or communication required or permitted under this Memorandum shall be sufficiently given if delivered in person or by certified mail, return receipt requested, to the address set forth in the opening paragraph or to such other address as one party may have furnished to the other in writing.

### **Governing Law**

This Memorandum shall be construed in accordance with the laws of the Jurisdiction of Pune ONLY.

### **Assignment**

Neither party may assign or transfer the responsibilities or agreement made herein without the prior written consent of the non-assigning party, which approval shall not be unreasonably withheld.

### **Amendment**

This Memorandum may be amended or supplemented in writing, if the writing is signed by the party obligated under this Memorandum.

### **Severability**

If any provision of this Memorandum is found to be invalid or unenforceable for any reason, the remaining provisions will continue to be valid and enforceable. If a court finds that any provision of this Memorandum is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision will be deemed to be written, construed, and enforced as so limited.

### **Prior Memorandum Superseded**

This Memorandum constitutes the entire Memorandum between the parties relating to this subject matter and supersedes all prior or simultaneous representations, discussions, negotiations, and Memorandums, whether written or oral.



FOR ITESKUL  
*Ching Kolhe*  
PROPRIETOR



## Understanding

It is mutually agreed upon and understood by and among the Partners of this Memorandum that:


- a. Each Partner will work together in a coordinated fashion for the fulfillment of the Project.
- b. In no way does this agreement restrict involved Partners from participating in similar agreements with other public or private agencies, organizations, and individuals.
- c. To the extent possible, each Partner will participate in the development of the Project.
- d. This Memorandum is not intended to and does not create any right, benefit, or trust responsibility.
- e. This Memorandum will be effective upon the signature of both Partners.
- f. Any Partner may terminate its participation in this Memorandum by providing written notice to other Partner.
- g. None of the Partners herein are entitled to contact any of the employees of the other partner directly.
- h. Getting into a business deal with any of the employees for a period of 2 years from the date of this MoU signing is prohibited for all the partners. Be it directly or indirectly, without the involvement of the said partners.

## Signatories

This Agreement shall be signed on behalf of ITESKUL by **Mr. Chirag Kothari** and on behalf of MMIT by **Dr. R V Bhortake**. This Agreement shall be effective as of the date first written above.

For MMIT,

For MMIT,

  
(Prof. Subhash Rathod, HOD Computer)

Date: 08/03/2023

  
(Prof. Chaitanya Bhosale, Coordinator)

Date: 08/03/2023

For ITESKUL,

FOR ITESKUL

  
PROPRIETOR

(Mr. Chirag Kothari)

Date: 08/03/2023

For MMIT,

  
(Dr. R V Bhortake)

Date: 08/03/2023





**"Techno-Social Excellence"**  
**Marathwada Mitramandal's**  
**INSTITUTE OF TECHNOLOGY (MMIT)**  
**Lohgaon, Pune-47**

**"Towards Ubiquitous Computing Technology"**  
**Department of Computer Engineering**  
**(Academic Year 2022-23)**


**A REPORT**

**On**

**"Guest Lecture on Foreign Language"**

**Held on**  
**12<sup>th</sup> May 2023**

  
**Coordinator**  
**Mr. Chaitanya Bhosale**

  
**HOD**  
**Dr. S. G. Rathod**





### **Program Details**

Computer Engineering & Artificial Intelligence & Data Science Department has organized a Guest Lecture on "Foreign Language" on 12<sup>th</sup> May 2023 from 2 PM to 3.30 PM for SE Students of Computer Engineering & Artificial Intelligence & Data Science Department. The lecture was headed by Mr. Pratik Kothari who is internationally certified in German language.

The session started with by Mr. Pratik Kothari explaining basics of German, Japanese, French language and then moving forward to the opportunities in the respective languages. He has given the guidance on how to go for higher education in Germany, Japan. He also explained how to do the certification course He also explained the importance of foreign language in Engineers life.

The points covered are:

1. Introduction to Foreign Languages
2. Higher education in Germany, Japan
3. Introduction to basic of all Foreign Language.

The session was followed by student questions where they inquired more about foreign language and its scope.

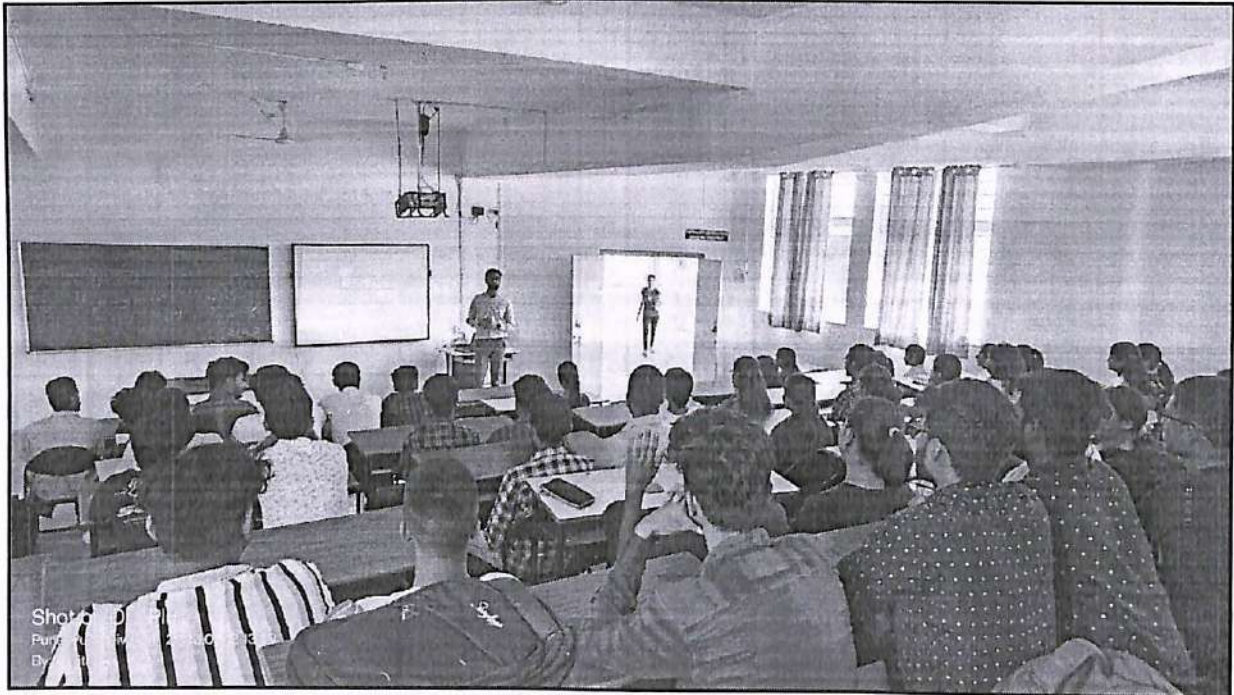
**Date:** 12<sup>th</sup> May 2023

**Time:** 02:00 PM to 03.30 PM

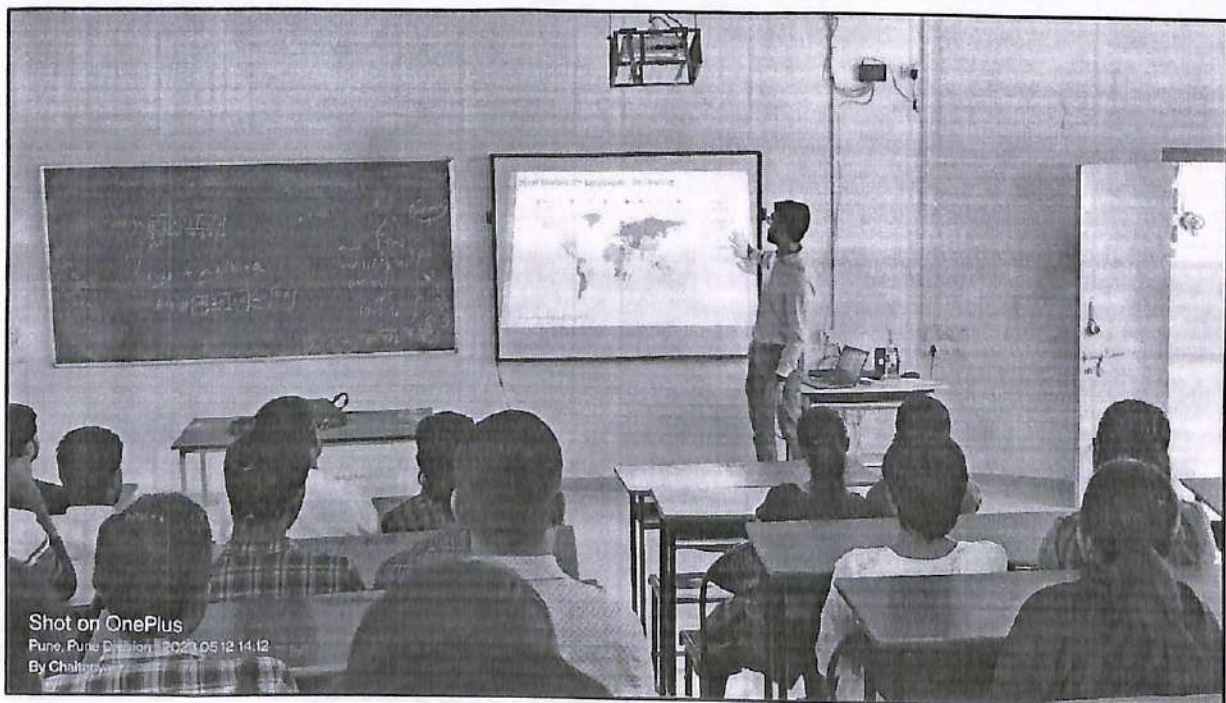
**Venue:** E101



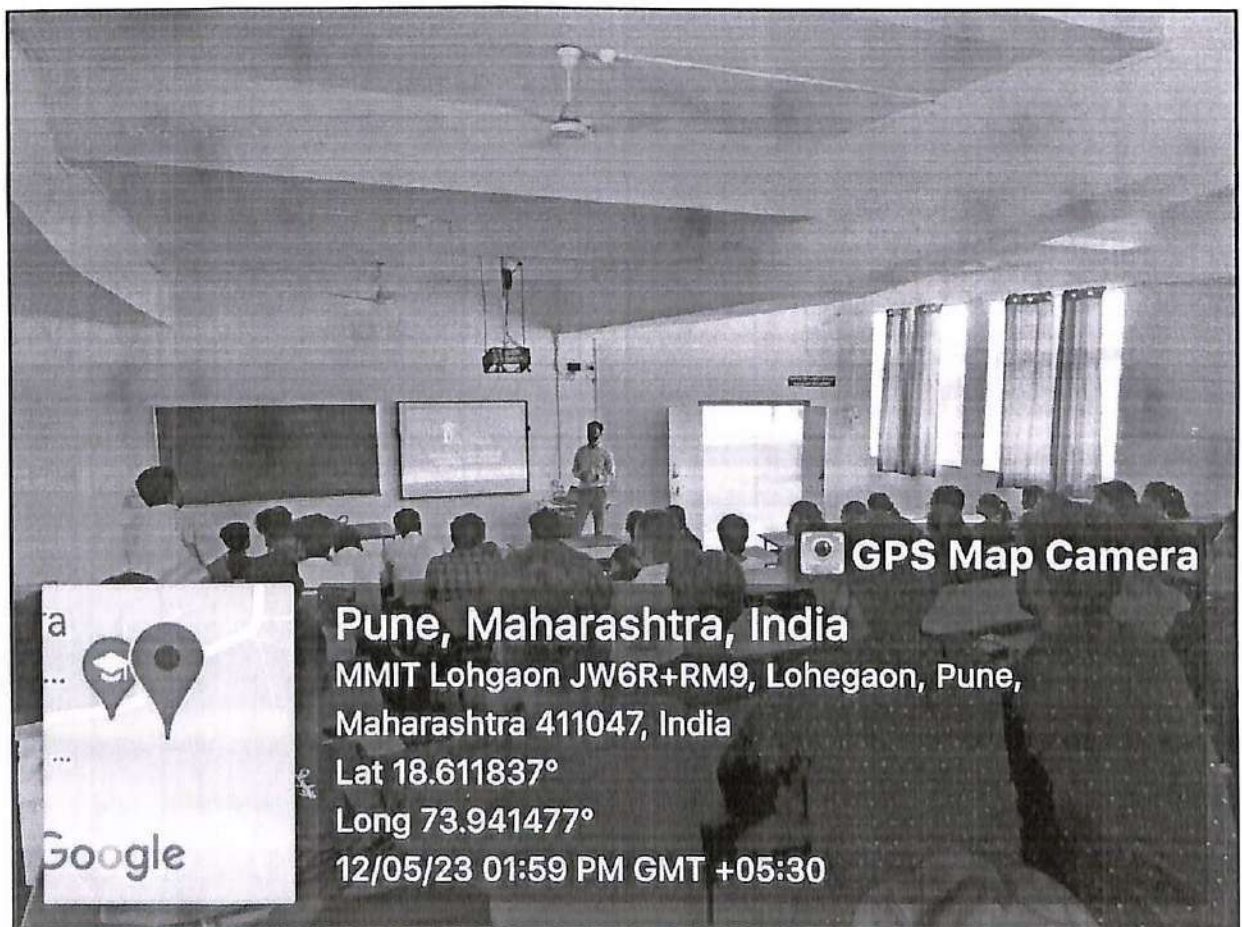
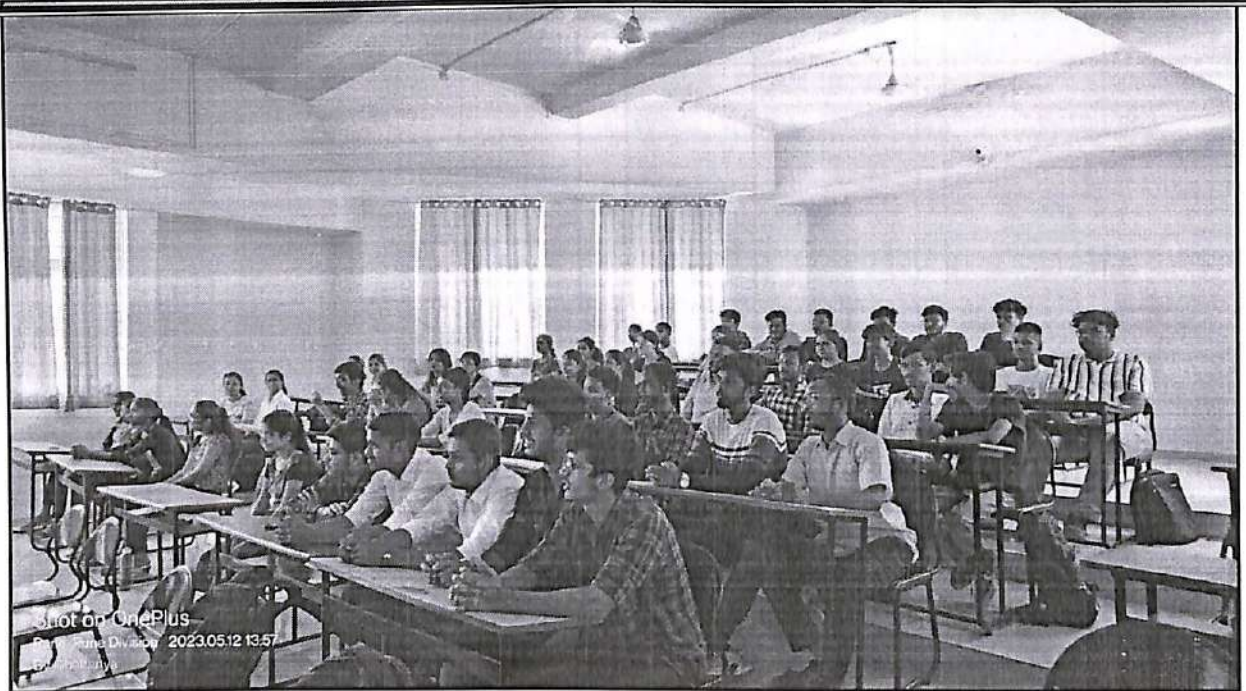
## Session photos



Introduction Session by Mr. Pratik Kothari







**Notice: -**



**"Techno - Social Excellence"**  
**Marathwada Mitra Mandal's**  
**Institute of Technology (MMIT)**



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Survey No. 35, Vadgaon Shinde Road, Lohgaon, Pune - 411 047  
Approved by AICTE, New Delhi, Recognised by DTE, M.S. Mumbai, Affiliated to Savitribai Phule Pune University  
Email : [principal@mmit.edu.in](mailto:principal@mmit.edu.in) Website : [www.mmit.edu.in](http://www.mmit.edu.in)  
Tel No. : +91 7447788623 / +91 7447788624 **DTE Institute Code : 6203**

**DEPARTMENT OF COMPUTER ENGINEERING**  
**&**  
**ARTIFICIAL INTELLIGENCE & DATA SCIENCE DEPT**

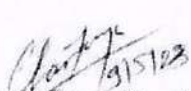
**NOTICE**


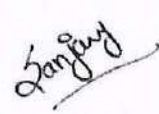
**Date: 09/05/2023**

All SE Students of Computer Engineering & Artificial Intelligence & Data Science Dept. are informed that a Guest Lecture is organized on Foreign Language at the Computer Engineering department on 12<sup>th</sup> May 2023.

Venue: E-101

Time: 1.30 PM

  
Mr. Chaitanya Bhosale  
Event Coordinator

   
Dr. Subhash Rathod (Comp Engg)  
Mr. Sanjay Agrawal (AI & DS)  
HOD





# Foreign Language Lecture Attendance & Feedback 2023

Name of Participant	Roll No	Class and Branch	Q.1 Overall Competence of resource person Knowledge of topics	Q.2 Quality of Sessions, participation and interaction	Q.3 Clarity and Fulfillment of program Objectives	Q.4 Variety and Quality of media/material Used	Q.5 Overall Communication skills of Faculty	Q.6 Duration of the guest Lecture	Q.7 What is your level of satisfaction for the Foreign Language Guest Lecture	Q.8 Was the Foreign Language Guest Lecture useful?	Q.9 Overall administration of Foreign Language Guest Lecture	Q.10 Shall we recommend similar program again?	Any comments /Suggestions (If Any):
Chauri Avishkar Maruti	39	SE (AI)	Satisfactory	Good	Satisfactory	Excellent	Satisfactory	Just Right	Agree	Yes	Good	Yes	
Aneesh Khandve	50	Se Comp	Good	Good	Excellent	Good	Good	Just Right	Strongly Agree	Yes	Good	Yes	
Vaibhav Bhind	SEB54	SE Comp	Good	Good	Good	Good	Good	Just Right	Agree	No	Good	No	
Aryan Mane	SEB 39	Computer	Good	Excellent	Excellent	Excellent	Excellent	Just Right	Agree	Yes	Good	Yes	
Shirlei savaji palande	SEA05	Computer science	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	No
Aishwarya Sawant	07	SE Comp	Good	Good	Satisfactory	Good	Good	Just Right	Agree	Yes	Good	Yes	Na
Sonal Waghale	SEB37	SE Comp	Good	Good	Good	Good	Good	Just Right	Agree	Yes	Good	Yes	No
Shreyash sarant	SEB48	SE Comp	Satisfactory	Good	Poor	Satisfactory	Excellent	Just Right	Agree	Yes	Good	Yes	No
Prathamesh Bhundekar	SEB02	SE Computer	Good	Good	Satisfactory	Good	Excellent	Too Long	Agree	Yes	Good	Yes	
Ved	SEA54	SeComp	Good	Good	Good	Excellent	Satisfactory	Just Right	Agree	Yes	Good	Yes	
Rahul Radhakrishnan Tekale	SEB53	Computer Engineering (SE)	Good	Good	Satisfactory	Good	Good	Just Right	Agree	Yes	Good	Yes	
Pranav Kokadwar	SFA30	SE AND COMPUTER	Good	Good	Good	Good	Good	Just Right	Agree	Yes	Good	Yes	
Tanmay Milind Waghmare	SEA03	Second year (computer)	Excellent	Excellent	Excellent	Excellent	Excellent	Too Short	Strongly Agree	Yes	Excellent	Yes	None
Shinde Pranav Jagannath	SEB18	Comp B	Good	Satisfactory	Excellent	Good	Excellent	Just Right	Strongly Agree	Yes	Good	Yes	
Dipanjali Bhojbal	SE B13	SE computer engineering	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	
Shruti Kinor Vedpathak	33	SE computer	Excellent	Excellent	Excellent	Excellent	Excellent	Too Short	Strongly Agree	Yes	Excellent	Yes	
Aditya H.Mote	SEB04	SE-Computer	Good	Good	Excellent	Excellent	Good	Just Right	Strongly Agree	Yes	Good	Yes	NA
Pranali Dindkar	SEA07	Second Year Computer	Good	Good	Satisfactory	Good	Good	Just Right	Agree	Yes	Good	Yes	
APURV DHIRAJ BHAVSAR	SEA103	SE AI&DS	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	
Vidhyadhar Maskwad	SE25	AIDS	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	
Khushi javed mujawar	24	AI DS	Good	Good	Good	Good	Good	Just Right	Agree	Yes	Good	Yes	NA
Akhada Dipak Sherkar	34	SE AI and DS	Excellent	Excellent	Excellent	Excellent	Excellent	Too Short	Strongly Agree	Yes	Excellent	Yes	NA
Ponra Venkata Swapna	27	SE AI & DS	Good	Good	Excellent	Good	Excellent	Just Right	Agree	Yes	Good	Yes	No
Sakshi Karekar	21	SE AI&DS	Good	Good	Excellent	Good	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	No
Amey Pise	28	SE (AI&DS)	Good	Good	Excellent	Excellent	Good	Just Right	Agree	Yes	Good	Yes	No suggestions
Shelal Anush Thorat	36	SE AI and DS	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Agree	Yes	Excellent	Yes	NA
SUMEDHI KADAM	Se AI 01	Second Year and ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Good	Excellent	Excellent	Good	Excellent	Just Right	Agree	Yes	Excellent	Yes	
Santosh Kokadwar	SEB38	Div B CS	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Agree	Yes	Satisfactory	Yes	NA
Dnyude Chinnay Nitin	SE07	AI&DS	Good	Good	Excellent	Good	Excellent	Just Right	Agree	Yes	Good	Yes	
Pranali Walekar	SEA49	Second yr A div computer	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	The lecture was informative and helpful. We need more lectures like this.
Ashwini Sachin Kalkde	59	SEB Computer Engineering	Excellent	Good	Satisfactory	Excellent	Excellent	Just Right	Agree	Yes	Good	Yes	
Kakad Venika Vilas	44	SE Computer	Good	Good	Satisfactory	Good	Good	Just Right	Agree	Yes	Good	Yes	No
Gautami Sagar Deshpande	SE11	AI & DS	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Agree	Yes	Good	Yes	
Rahul Samikar	33	33	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	NA
Rushikesh Gange	SEB20	SE Computer	Good	Good	Excellent	Excellent	Good	Just Right	Agree	Yes	Good	Yes	No
Shruti bahamge	22	SE AI&DS	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Agree	Yes	Excellent	Yes	
Bankar Prayasheshani Parashram	SEB21	SE computer	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	
Wagh Nikita Kailas	SEB14	SE (Computer)	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	
Yaash Aphale	02	SE AI & DS	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	NA
Nikam prashika bhirmao	29	SEAI&DS	Good	Good	Good	Good	Good	Just Right	Agree	Yes	Good	Yes	
Jay Chakole	18	SE and AI&DS	Good	Good	Good	Good	Good	Just Right	Agree	Yes	Good	Yes	
Krushnali Sandip Gulamkar	SEA112	Second year Artificial Intelligence and Data Science	Excellent	Good	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	
Pratik Hage	13	SEAI&DS	Good	Excellent	Good	Good	Good	Just Right	Agree	Yes	Excellent	Yes	Na
Yerle Sanket	SE39	AI & DS	Good	Excellent	Good	Good	Excellent	Just Right	Agree	Yes	Good	Yes	
Omkar sahane	SEA33	Computer engineering	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	
Jay Rathod	SEB19	SE computer	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Agree	Yes	Excellent	Yes	
Siddhesh Abhang	SEA31	SE Computer Engineering	Excellent	Excellent	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Excellent	Yes	
Tripathi Parag	62	Comp SEB	Good	Excellent	Excellent	Excellent	Excellent	Just Right	Strongly Agree	Yes	Good	Yes	
Harshad Rajiv Sutar	SE 14	AI and DS	Excellent	Excellent	Excellent	Excellent	Good	Just Right	Agree	Yes	Excellent	Yes	
Shradha Rajkumar Kalyani	B61	Computer second year	Good	Good	Poor	Good	Good	Just Right	Agree	Yes	Good	Yes	
Suyash Kulkarni	SEB71	Div A , Computer Engineering	Good	Good	Excellent	Excellent	Excellent	Just Right	Agree	Yes	Excellent	Yes	
Sainath Dabirwal	09	AI & DS	Excellent	Excellent	Excellent	Good	Good	Just Right	Agree	Yes	Good	Yes	
Dewang Ramdas Mager	SEB-47	SEB-computer	Good	Satisfactory	Good	Good	Good	Just Right	Agree	Yes	Good	Yes	
Amruta Dhamdhare	Seb 03	Se comp	Satisfactory	Poor	Poor	Satisfactory	Good	Just Right	Agree	No	Good	Yes	
Suraj Sudam Nisrad	SEB52	SE Computer Engineering	Good	Good	Good	Good	Good	Just Right	Agree	Yes	Good	Yes	





# An optimal design for grounding grid configuration with unequal conductor spacing

Meghna Jagannath Bhosale<sup>a, b</sup>  , P. B. Karandikar<sup>c</sup>, N. R. Kulkarni<sup>a</sup>

<sup>a</sup> PES Modern College of Engineering, Pune, Shivaji Nagar, Pune, Maharashtra 411005, India



<sup>b</sup> Marathwada Mitra Mandal's Institute of Technology, Lohegaon, Pune, Maharashtra 411047, India

<sup>c</sup> Army Institute of Technology, Pune, Maharashtra 411015, India

Received 16 July 2022, Revised 27 October 2022, Accepted 27 November 2022, Available online 20 December 2022, Version of Record 20 December 2022.



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<https://doi.org/10.1016/j.advengsoft.2022.103367> 

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## Abstract

The earthing system is considered as a very important aspect of electrical power system in terms of reliability, dependency and safety. Carrying the fault current and ensuring the safety of the operator and the equipment are the two fundamental requirements of an electrical earthing system. Moreover, by modifying the grid configuration or by reducing the earth fault current, the performance can be improved. Normally the reduction of fault current may cause changes in grid shape and size by changing the conductor spacing, grid dimensions, conductor length, grid depth and adding vertical grounding rods. A square and rectangular grid, buried in two-layer soil model is considered with unequal spaced grounding grid. This paper aims to ascertain the ideal grounding grid configuration about safety factors such as Ground Potential Rise (GPR), earthing grid resistance, touch as well as step voltages. Moreover, a square and rectangular grid, buried in a two-layer soil model are considered with Unequal Conductor Spacing. For developing an effective and economic square and rectangular earthing system for the unequally spaced design, a mathematical cost function (CF) is presented along with the modern computational intelligent technique. Hence, a Modified Harris Hawks Optimizer (MHHO) technique was proposed which is the conceptual improvement of the



standard Harris Hawks Optimizer (HHO). Accordingly, the cost obtained by the proposed MHHO technique is 8.19%, 9.6%, 3.44%, 11.1% and 2.43% which is lower than other existing methods like PSO, GA, FF, HHO, MOPSO at 60<sup>th</sup> iteration, for population size 10.

---

## Introduction

A good grounding system is the most significant safeguard for the substation's safety. The need for a grounding system is to supply a neutral point which should be highly safe for all equipment of the substation/industry. Furthermore, it has to ensure the discharge path at the time of lightning, faults, or during the high voltage switching-related surges that helps to provide better personnel safety by reducing the unsafe potential gradients which prevail inside the substation/industry [1]. Thus, the necessity of an electrical earthing system relies not on just in moving the faulty current toward the earth, yet it has to guarantee the operator's safety and equipment [2,3]. Under normal and fault situations, a safe grounding design can transfer electric currents into the earth without going overboard under operational and equipment restrictions [4]. The ground grid is constructed by interconnecting horizontal bare conductors and ground rods. The designs of the ground grid [5,6] control the voltage level to a safe value and provide a safe system with economic cost. Moreover, the performance of the grounding grid relies upon the structure of the soil and the configuration of the grid [7] and it can be evaluated by several parameters, like earthing grid resistance, touch potential, step potential and GPR [8]. Because of more ground rods, the overall length of the conductors in the earth grows as the step and mesh potentials decrease. Therefore, ground rods are regarded as the most efficient method for lowering resistance, actual mesh and step voltages [[9], [10], [11]]. To expedite the optimization process, several heuristic techniques are designed and produce an efficient and effective earthing grid system with minimum cost function [[12], [13], [14], [15], [16]].

The demand for grounding grids can be enhanced further by altering the configuration of the grid or by decreasing the faulty current towards the earth. Normally, lowering the earth fault current is a challenging task. As a result, the mesh is changed and vertical grounding rods are added to the configuration [17], [18], [19]. The unequally spaced grid saves around 34% of the material used in the grounding grid and the installation cost will be less [20]. The goal of optimal grounding system design is to achieve uniform surface potential by optimizing grid conductors with uniform leakage current density, which lowers the surface potential gradient and is suitable for human safety and equipment protection [[21], [22], [23]]. As a result, an objective function in system design is to create an economical substation grounding system that meets the safety parameters [24]. Thus, a more-advanced system needs to be proposed for the optimal layout of earthing grid with unequal spacing.

The major contributions of this work are listed below:

- A mathematical cost function (CF) and a contemporary computational intelligence technique are offered in order to construct an efficient and affordable square and rectangular earthing system for the unequally spaced design.
- As a novelty this paper introduces a new algorithm known as Modified Harris Hawks Optimizer (MHHO) technique, for an optimal cost-effective grounding grid with unequal spaced design.





The following is a organization of the paper's as the paper is ordered as follows: The comments about the traditional techniques are presented in Section2. Section3 portrays the cost function expressions and field data based on the unequally spaced conductor and Section4 portrays the optimal cost design of the grounding grid using the MHHO algorithm. Section5 describes the results of the proposed system and Section6 briefs the conclusion of the paper.

---

## Section snippets

### Literature review

In 2020, Sengar and Chandrasekaran [25] presented the sequel of grid layouts on the earthing system by making use of methodologies like “IEEE method, FEM and GA”. So, to design effective and economical T-shaped, triangular earthing systems, and L-shaped, a new mathematical CF was presented. Finally, it's revealed that the developed method lessens the total cost.

In 2019, Khodr et al. [26] established a grounding grid design for substations using optimization techniques. Moreover, it is very...

### Cost function

Eq.(1) shows the parameters for the design of an earthing grid, like the count of rods and conductors, dimensions of rods and conductors, grid area, unearthing, and embankment [[10], [25]]. Furthermore, the finest earthing system design helps to reduce CF and gives the best products and statistical parameters of the earthing system. Table2 shows the cost coefficients used in Eq.(1). In this proposed work, the aim of the grounding grid is to reduce the cost of distinct materials that are...

### Solution encoding and objective function

The optimal design of an unequally spaced earthing grid with minimum cost installation gives rise to a novel output by making use of a set of input variables or chromosomes. Hence, the fundamental objective function (OF) is to lower the overall cost of various materials used in the grounding grid.

$$CF = f(\text{chromosome}) \\ = f(N_x, N_y, d_{ec}, h_d, N_{rv}, L_{rv}, d_{rv}, h_{ts})$$

*Modified Harris Hawks Optimization (MHHO) algorithm*

The proposed MHHO's exploratory and exploiting stages were inspired by Harris hawks' investigating...

### Simulation procedure

The resistance of grid ( $R_{eg}$ ), actual touch potential ( $E_t$ ) and step potential ( $E_{st}$ ) are ascertained by MATLAB simulation using PSO [41], GA [42], FF [43], HHO, and MOPSO [33] the proposed MHHO methods to evaluate the cost and best configuration of grid for the unequally spaced earthing system. Also, for evaluating the





performance of the proposed method with that of the existing ones three cases are considered by varying the population sizes as 10, 30, and 60....

## Population analysis

The optimal earthing grid parameters...

## Conclusion

In this paper, an optimal design is presented for the unequally spaced grounding grid using the MHHO technique which aims to reduce the cost function of unequal spaced grounding grid configurations by considering distinct parameters. A square and rectangular grid, buried in a two-layer soil model is considered with an unequal-spaced grounding grid. To optimize the cost function, a Modified Harris Hawks Optimizer (MHHO) technique was proposed.

- The design cost acquired by the proposed MHHO is...

...

## CRediT authorship contribution statement

**Meghna Jagannath Bhosale:** Conceptualization, Methodology. **P B Karandikar:** Resources, Data curation. **N R Kulkarni:** Formal analysis, Investigation....

## Declaration of Competing Interest

The authors declare that they have no conflict of interest....

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Int J Sci Eng Res (2015)

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# Security for Shared Data Over Public Cloud for Maintaining Privacy

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## Article Info

**Page Number:** 7167-7173

**Publication Issue:**

**Vol. 71 No. 4 (2022)**

## Article History

**Article Received:** 25 March 2022

**Revised:** 30 April 2022

**Accepted:** 15 June 2022

**Publication:** 19 August 2022

## Abstract

Currently, outsourcing of data to remote cloud is increasing day by day, People are outsourcing their data at Cloud Service Provider (CSP) who are offering vast amount of storage space with low cost which is minimizing the maintenance and burden of local data storage but once data goes into cloud user lose control over their data which brings new security risk. Data storage cost, access restriction and maintaining the integrity of data is a major concern in cloud security. Many organizations do not trust cloud providers to store their confidential data in public cloud storage because of security threats. The solution to the problem is given by different researchers in their work. However, the work in this regard has not achieved all security aspects correctly. The solution to the problem is given by different researchers in their work. However, the work in this regard has not achieved all security aspects correctly. To improve the correctness and performance of data security on the cloud while transferring the file is discussed in detail. While processing users request different attributes are checked for the processing of data. Each state is strictly defined with the attributes over the access.

**Keywords:** - Data Storage Cost, Cloud Security, Cloud Service Provider (CSP)

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## Introduction

In today's world cloud is the major trend for data storage in a distributed way to overcome the usage cost. The typical system uses heavy charges to use the data and store data in their physical locations. The cloud computing an approach which stores the data virtually in the storage system. This helps the user to avoid the storage space and they can use at anytime from anywhere. The cloud also helps to work efficiently for certain data access from multiple stations. The complexity of data storage is decreasing as researchers work on it. The services provided by the different organizations for data storing is easy with the cloud [8].

Cloud computing is the system where loosely coupled data is used but the organization should know the correctness of the use, the data correctness is the highest priority for any organization. In a system different authorized users have been allowed to access cloud storage but everyone has some restrictions. The system should work efficiently but the access control is managed by the system administrator. The personal data security is a major concern while transfer or store

the file. every activity should be passed through a secure manner as its open storage and open to access for any users from the cloud. A restriction has been providing with the responsibility and usage of data for a particular use, to restrict the user's number of methods or approaches that can be used for a purpose [5].

Data storing capacity of the cloud provides great significance to users. The user will not care about data storage locations physically and the capacity or expenditure required about that. In the system, the user has no concern with the data storing hardware requirements to execute the operation. The well-known examples of cloud systems are amazon simple storage services and amazon elastic compute cloud. The users are free from the responsibility of local users to store the data. The procedure of maintaining data security is not a concern with the user once the system is driven by the cloud. In user's aspect, even he uses the cloud security model for data but security concern remains in higher priority for the data on the cloud [8]. In a cloud the security concerns because of the external attacks on the cloud data which leads to adulterate the content of data and violates the integrity of cloud storage. As the correctness of user data not maintained on the cloud, the users would be worried about his data in the system [7]. In response to the problem of security, some mechanism should be there to tackle the problems of security and provide meaningful architecture. In a mechanism, the data should be free from the risk of interactions with any cloud users. In response, the method has included the cryptography mechanism with significant modifications and also auditor is introduced to keep watch on the system. This proves that data confidentiality and integrity over the data of the cloud.

The auditing task is performed with the use of third-party auditor (TPA) on cloud storage. Data auditing in cloud computing done with the Third Party Auditor (TPA). The data integrity and cloud secure storage checked by the TPA over the cloud. Auditing can be done individually or can audit entire user's data in single instance which is called batch auditing [6, 7, 9].

### Cloud Platform Security Issues

The following formatting rules must be followed strictly

#### Education Cloud Platform

Now a day's education institutes are coming online, now learning and teaching is not confined to textbooks and classrooms, most of the education organizations now uses computers and mobile devices. Now students can pursue any course without physically going to the teaching institute. In remote education sharing educational documents and resource integration is a huge concern. With the frequent use of cloud for learning, security challenges are coming along the way, such as information theft, security assault in educational network.

#### Enterprise Cloud Platform

An enterprise cloud provides a unified operating environment through a single point of control for managing infrastructure and applications in any cloud. E-commerce companies or banks with huge data require large number of operating and maintenance staff but the malicious insider with authority can quickly access confidential information from cloud. Most of the cities have

free Wi-Fi network, people use Wi-Fi without any security cover data can be exchanged without encryption.

### Healthcare Cloud Platform

Healthcare cloud platform provides capabilities to manage health data at large scale and make it easier for healthcare organizations. Healthcare technologies perform an important role while gathering of health records of patients through various gadgets, like smart watch, mobile phone, smart bands, and these gathered data is useful for healthcare research. Gathered data is shared across many insurance providers and healthcare networks. It is important to ensure that data flows securely through every point of care to improve patient experiences and health outcomes.

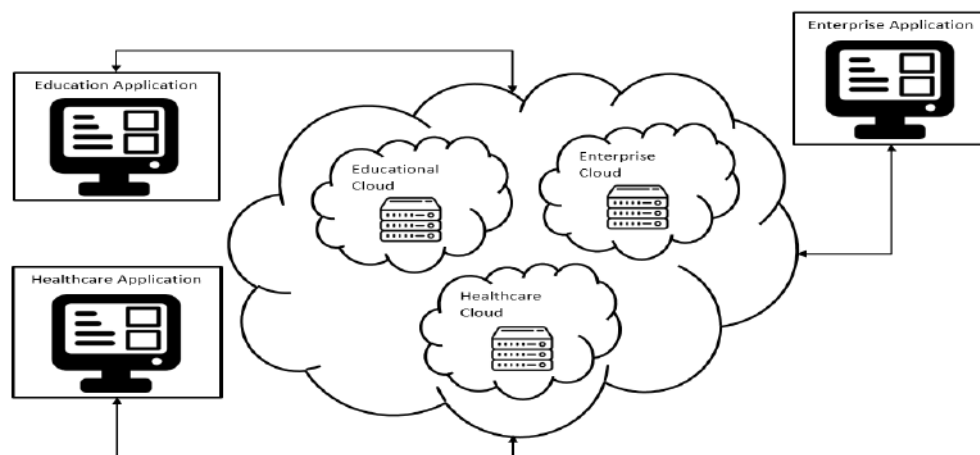


Figure 1 Cloud Storage Model

### Literature Review of Existing Frameworks

#### Identity Based PDP Protocol

Author HAO YAN AND WENMING GUI presented a public identity-based PDP protocol for secure data storage. This protocol is mainly built to provide identity privacy protection of multiple users. With the help of this protocol a TPA can check the integrity of group shared data but cannot know who the owner of the data is.

There are four participants in proposed scheme: key generation Centre, CSP, users and TPA.

1. Key generation Centre is responsible for generating private keys for all users subscribed to the cloud. Here author assumed that the keys are transmitted by secure channel.
2. Cloud Service Provider (CSP) generates proofs for data integrity and maintains user's data.
3. Users those are subscribed to the cloud generate tags for their data and outsource the data to Cloud Service Provider. Here users share data in a group.
4. TPA checks the integrity of data. To audit the data TPA sends integrity challenge to CSP and gets a proof from CSP. Then TPA validates the proof and generate reports of data validation.

Proposed scheme ensures relationship between data and uploader in proof generation phase and not in integrity audition phase so that auditor does not know the data owner. In this paper author took efforts to protect privacy of data uploader [1].

### Key Aggregation Encryption and ABE Technology

Author, Huang Nana, Yang Yuan proposed HealthCare cloud architecture which integrates multiple application based on privacy protection. Proposed framework uses attribute based encryption to encrypt Personal Health Record (PHR) files. Instead of traditional domain division which has public domain (PUD) and personal domain (PSD), the public domain (PUD) is further divided into PUD1 and PUD2 based on different access control over PHR files. Users in PUD1 have read or write access to the PHR files, while the users in PUD2 only have read permissions [2].

In the PSD, author used key aggregation encryption (KAE) to gain read access permission. For PHR users of PUD1 and PUD2, the outsourceable ABE technology is adopted to greatly reduce the computing burden of users [2].

### ORUTA Framework (Ring Signatures and Homomorphic Authenticators)

Author, Boyang Wang, Baochun Li and Hui Li proposed Oruta framework which audit the shared data in the cloud and preserve the privacy of data owner during auditing phase. Here framework utilizes ring signatures to construct homomorphic authenticators, these authenticators helps public verifier to audit shared data and verify integrity without retrieving the entire data, With ring signatures, a verifier is convinced that a signature is computed using private key of one of group member but the verifier will not be able determine which group member.

Homomorphic authenticators are also called as homomorphic verifiable tags, which is a basic tool to construct auditing mechanism. Homomorphic authentication scheme is unforgeable that is only user with private key can generate valid signature [3].

### CP-ABE Scheme

In this paper author Kaiping Xue, Weikeng Chen, Wei Li, Jianan Hong, Peilin Hong proposed an encrypted cloud storage with combined cloud-side and data owner-side access control, This framework is built to resistance DDoS/EDoS attacks and provides resource consumption accounting. Proposed framework uses CP-ABE Scheme for base construction.

Proposed system supports arbitrary CP-ABE constructions which is secure against malicious data users. Here author designed three controls among three entities in the system.

Control I: Data owners only allow authorized data users to decrypt the files.

Control II: Data owners verify the resource consumption records of the cloud provider.

Control III: The cloud provider verifies the data users before the download [4].

Table 1. Comparative analysis between different frameworks

Parameters	EIBPIASDC [1]	IPMCP [2]	Oruta [3]	CDOCAECS [4]
Security	Yes	Yes	Yes	Yes
Confidentiality	Yes	Yes	Yes	Yes
Integrity	Yes	No	Yes	No
Flexibility of authorization	No	Yes	No	No
Separation of duties	Yes	Yes	Yes	Yes
Data storage reduction	No	No	No	No
Fine-grained control	No	Yes	No	Yes

### Conclusions

An organization need lot of hardware resources need to store data physically and takes more time and expenses to maintain it. As the data grows the necessity for storage space also grows, and it is necessary for businesses to store their massive data at low cost. Storing data in public cloud is more beneficial that storing it traditionally on local drive, most of the service provider gives certain degree of data security, but more security requires as the new vulnerabilities in cloud comes into picture.

### Acknowledgment

The I am very much thankful to my PhD guide Dr. R. N. Khobragade for guiding. I am thankful to research centre head Dr. V. M. Thakare for supporting and helping in all way's needs. I am thankful to whole Sant Gadge Baba Amravati family for supporting, guiding and helping me.

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SN2-M0IA00   NAYVMX003928Y8V   NAYVMX0039317C8   NAYVMX0039326PK   NAYVMX004441538   NAYVMX0044436RV   NAYVMX00444475M   NAYVMX0044468LD   NAYVMX004452ML9   NAYVMX004469J2N												
RAM 16GB DDR4 MICRON CRUCIAL 3200	84733099	22	2,475.00	54,450.00	0.00	54,450.00	9.00	4,900.50	9.00	4,900.50	0.00	0.00
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924984



# DATA CARE CORPORATION

o.637,J M Road, Deccan,Near Hotel Sukanta PUNE - 411004 02067057596/661,  
ort@datacare.in

IPM1477C1ZQ PAN No: ABIPM1477C

Division:

**ON CREDIT**

MMM10

MARATHWADA MITR MANDAL'S

Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6, LohgaonPune - 411047,  
lohgaon,411047, Contact: 9595374757

27AAATM9698N1ZI PAN No: AAATM9698N

Invoice No: HO22136154

Invoice Date: 21/04/2022 Due Date: 25/04/2022

Bill FROM: DCC House, JM Road, Sr. No.537 Deccan,Pune, Maharashtra-411004

TR Name: BYSELF, SELF

SP: NAYLUR DUMERE

Location: HOSAL

Recipient Name: MARATHWADA MITR MANDAL'S

E-Way Bill No: 28-55812375

Shipping Address: Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6,  
(Place of Supply) Lohgaon lohgaon

PO Ref No:  
MMM/PUR/2022-23

IRN No :2a082502db5c50831900ecd2c1ab3ab030050863242f375beba6148d6b4e9392

Description of Goods	HSN/ SAC Code	Qty	Rate Per Unit	Total	Discount Amount	Taxable Value	CGST Rate%	CGST Amt	SGST Rate%	SGST Amt	IGST Rate %	IGST Amt
CI ASUS 2GB DDR5 GT730	84733099	11	3,100.00	34,100.00	0.00	34,100.00	9.00	3,069.00	9.00	3,069.00	0.00	0.00
NAYVMX003928Y8V   NAYVMX0039317C8   NAYVMX0039326PK   NAYVMX004441538   NAYVMX0044436RV   NAYVMX00444475M   NAYVMX0044468LD   NAYVMX004452ML9   NAYVMX004469J2N												
GB DDR4 MICRON CRUCIAL 3200	84733099	22	2,475.00	54,450.00	0.00	54,450.00	9.00	4,900.50	9.00	4,900.50	0.00	0.00
FB4E1   S802C1A2251E76FB4EB   S802C1A2251E76FB4F7   S802C1A2251E76FBB91   S802C1A2251E76FBB91   S802C1A2251E76FBB91   S802C1A2251E76FBB91   S802C1A2251E76FBB91   S802C1A2251E76FBB91   S802C1A2251E76FBB91   S802C1A2251E76FBB91   S802C1A2251E76FBB91   S802C1A2251E76FBB91												
FB8D   S802C1A2251E76FB8D   S802C1A2251E76FB8D   S802C1A2251E76FB8D   S802C1A2251E76FB8D   S802C1A2251E76FB8D   S802C1A2251E76FB8D   S802C1A2251E76FB8D   S802C1A2251E76FB8D   S802C1A2251E76FB8D   S802C1A2251E76FB8D   S802C1A2251E76FB8D   S802C1A2251E76FB8D												
394   S802C1A2251E76FC44A   S802C1A2251E76FC8FD   S802C1A2251E76FC8FF   S802C1A2251E76FC8FF   S802C1A2251E76FC8FF   S802C1A2251E76FC8FF   S802C1A2251E76FC8FF   S802C1A2251E76FC8FF   S802C1A2251E76FC8FF   S802C1A2251E76FC8FF   S802C1A2251E76FC8FF   S802C1A2251E76FC8FF   S802C1A2251E76FC8FF												
EL C15 12TH Gen 12400F(2.5GHz)	84733010	40	12,500.00	500,000.00	0.00	500,000.00	9.00	45,000.00	9.00	45,000.00	0.00	0.00
U2FB383602404   U2KW879300183   U2KW879300194   U2KW879300320   U2KW879300455   U2KW879300475   U2KW879300503   U2KW879301293   U2KW879301308   U2KW879304193												
U2KW879304516   U2KW879304592   U2KW879304623   U2XL111400481   U2XL111400735   U2XL111401148   U2XL111401191   U2XL111401980   U2XL111402022   U2XL111402082   U2XL111402798												
U2XL111403132   U2XL111403190   U2XL111403237   U2XL111403336   U2XL111403342   U2XL111403428   U2XL111403944   U2XL111403950   U2XL111404001   U2XL111404191   U2XL111404269												
U2XL111404373   U2XL111404376   U2XL111404489   U2XL111404492												
SUS PRIME H610M-CS-D4	84733020	35	5,600.00	196,000.00	0.00	196,000.00	9.00	17,640.00	9.00	17,640.00	0.00	0.00
X   N9M0KC411213JY6   N9M0KC411214LG3   N9M0KC411215M9Z   N9M0KC411216NYW   N9M0KC411217WHL   N9M0KC411218V9X   N9M0KC411219RYF   N9M0KC4112207JA   N9M0KC411221CX7												
3   N9M0KC411288G8G   N9M0KC411289F9B   N9M0KC411290P3   N9M0KC41129152W   N9M0KC411313PT3   N9M0KC411314SCV   N9M0KC4113153VN   N9M0KC4113166YK   N9M0KC411317AFH												
9   N9M0KC411319G4A   N9M0KC411320P7   N9M0KC411321HA3   N9M0KC411322W2Z   N9M0KC4114436E5   N9M0KC411444WGY   N9M0KC411445EVN   N9M0KC4114463SX   N9M0KC411447M8D												
9   N9M0KC411449GK4   N9M0KC4114506VE   N9M0KC411451Z99   N9M0KC411452NY4												
<b>Total.....</b>				784,550.00	0.00	784,550.00		70,609.50		70,609.50		0.00

n Figures): 925769

n Words ): \*\*\*\* NINE LAKH TWENTY FIVE THOUSAND SEVEN HUNDRED SIXTY NINE RUPEES AND ZERO PAISA

ayable on Reverse Charge: N Amount of Tax Subject to Reverse Charge: NIL

back, Please Contact Us On feedback@datacare.in Or Call/WhatsApp Us On 7507200200.

are Corporation, Bank: HDFC BANK LTD, Branch: Bhandarkar Road, Pune A/C No: 00072790000347, IFSC Code: HDFC0000007

ditions mentioned behind & Received Goods in Good Condition. Irrespective of Credit period the lien over the Goods  
with DATA CARE CORPORATION. In failure of any part of payment the DATA CARE CORPORATION have right to take  
at any time and the purchaser have no objection of whatsoever nature for the same.

Date & Time:

Signature:



(Authorized Signatory)

Total Taxable Value

784,550.00

Total GST

141,219.00

TCS Amount

0.00

Rounding Off

0.00

Aggregate Value

925,769.00





Rates are correct Material Inspected  
Correct as per Specifications

DATA CARE  
CORPORATION

# TAX INVOICE

2357

(See Rule 1 under Tax Invoice Credit and Debit Note Rules)

Original For Recipient

DATA CARE CORPORATION

Sr.No.537 J.W Road, Deccan, Near Hotel Sukanta PUNE - 411004 02067057595/661,  
Support@datacare.in

Z7ABPM1477C1Z0

PAN No: ABIPM1477C

Division:

ON CREDIT

Name: MARATHWADA MITR MANDAL'S

MMMT0

Address: Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6, Lohgaon Pune - 411047,  
Lohgaon, 411047, Contact: 9595374757

PAN No: AAATM9698N1Z1

PAN No: AAATM9698N

Invoice No: H022135234

Invoice Date: 27/03/23 Due Date: 28/03/23

Bill From: DCC House, JM Road, Sr. No 537, Deccan, Pune, Maharashtra-411004

TR Name: BYSELF, SELF

SP: MAYUR DUMREPE Location: HOSAL

Recipient Name: MARATHWADA MITR MANDAL'S

E-Way Bill No: 22-0000000000

Shipping Address: Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6,  
(Place of Supply) Lohgaon Lohgaon

PO Ref No: COR/MO

IRN No: fbcddcf1fcec9e69fedcd126ad8fc36c73e3c635f882d814b92a7a4388d161fd

Description of Goods	HSN/ SAC Code	Qty	Rate Per Unit	Total	Discount Amount	Taxable Value	CGST Rate%	CGST Amt	SGST Rate%	SGST Amt	IGST Rate%	IGST Amt
SSD 500GB WESTERN DIGITAL M.2 NVME (SN570) BLUE	85235100	77	2,175.00	167,475.00	0.00	167,475.00	9.00	15,072.75	9.00	15,072.75	0.00	0.00
224011442801   224011442803   224011442809   224011450708   224011450912   224011452906   224011453702   224011463809   224011463812   224011464602   224011464608   224011465001   224011465006   224011471703   224011471710   224011472206   224011476705   224011476713   224011440109   224011446309   224011446502   224011446510   224011447003   224011447009   224011447311   224011447312   224011446503   224011446504   224011446510   2240114467412   2240114470202   2240114470606   2240114471613   2240114471906   2240114472808   2240114479807   2240114479808   2240114479813   2240114486407   2240114487503   2240114487705   2240114487711   2240114487713   2240114487901   2240114487911   224011441702   224011444006   2240114445607   2240114449902   2240114450801   2240114451003   2240114452603   2240114454302   2240114454307   2240114454312   2240114454503   2240114454513   2240114455403   2240114455406   2240114456704   2240114456708   2240114458804   2240114458805   2240114459003   2240114464412   2240114466712   2240114467501   2240114470503   2240114470506   2240114470613												
Total				167,475.00	0.00	167,475.00		15,072.75		15,072.75		0.00

Value (In Figures): 197621.0  
Value (In Words): \*\*\*\* ONE LAKH NINETY SEVEN THOUSAND SIX HUNDRED TWENTY ONE RUPEES AND ZERO PAISA

Total Taxable Value 167,475.00  
Total GST 30,145.50  
TCS Amount 0.00  
Rounding Off 0.50  
Aggregate Value 197,621.00

Tax is payable on Reverse Charge: N Amount of Tax Subject to Reverse Charge: NIL

Feedback, Please Contact Us On feedback@datacare.in Or Call/WhatsApp Us On 7507200200.

Address: Data Care Corporation, Bank: HDFC BANK LTD, Branch: Bhandarkar Road, Pune A/C No: 00072790000347, IFSC Code: HDFC0000007

Terms & Conditions mentioned behind & Received Goods in Good Condition Irrespective of Credit period the lien over the Goods will remain with DATA CARE CORPORATION. In failure of any part of payment the DATA CARE CORPORATION have right to take back goods at any time and the purchaser have no objection of whatsoever nature for the same.

DATA CARE CORPORATION

(Authorised Signatory)

Name: Date & Time: Signature:

MMIT, Lohgaon

GST Inward 23/03/23 98  
GST Outward 27/03/23 23  
Bill No 30/03/23



197621

167

197454



DATA CARE CORPORATION

No. 537, J.W. Road, Deccan, Near Hotel Sukanta PUNE - 411004 02057057595661,  
support@datacare.in

ABPM1477C12Q PAN No: ABPM1477C

Division:

**ON CREDIT**

MMM10

MARATHWADA MITR MANDAL'S

Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6, Lohgaon Pune - 411047,  
lohgaon, 411047, Contact: 9595374757

27AAATM9698N1ZI

PAN No: AAATM9698N

Invoice No: HO22135234

Invoice Date: 27 Mar 2023 Due Date: 25 Apr 2023

Bill FROM: DCC House, JM Road, Sr. No. 537, Deccan, Pune, Maharashtra. 411004

TR Name: BYSELF, SELF

SP: MAYUR DUMBRE

Location: HCSAL

Recipient Name: MARATHWADA MITR MANDAL'S

E-Way B# No. 221568153113

Shipping Address: Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6,  
(Place of Supply) Lohgaon lohgaon

PO Ref No: COR/MD

IRN No: fbcddcf1fcec9e69fedcd126ad8fc36c73e3c635f882d814b92a7a4388d161fd

Description of Goods	HSN/ SAC Code	Qty	Rate Per Unit	Total	Discount Amount	Taxable Value	CGST Rate%	CGST Amt	SGST Rate%	SGST Amt	IGST Rate %	IGST Amt
500GB WESTERN DIGITAL M.2 NVME (SN570)	85235100	77	2,175.00	167,475.00	0.00	167,475.00	9.00	15,072.75	9.00	15,072.75	0.00	0.00
224011442801   224011442803   224011442809   224011450708   224011450912   224011452906   224011453702   224011463809   224011463812   224011464602   224011464608   224011465001   224011465006   224011471703   224011471710   224011472206   224011476705   224011476713   224015440109   224015446309   224015446502   224015446510   224015447003   224015447009   224015447311   224015447312   224015466503   224015466504   224015466510   224015467412   224015470202   224015470606   224015471606   224015471613   224015471906   224015472808   224015479807   224015479808   224015479813   224015486407   224015487503   224015487705   224015487711   224015487713   224015487901   224015487911   224015487912   224015487913   22411X445607   22411X449902   22411X450801   22411X451003   22411X452603   22411X454302   22411X454307   22411X454312   22411X454503   22411X454513   22411X455403   22411X456406   22411X456704   22411X456708   22411X458804   22411X458805   22411X459003   22411X464412   22411X466712   22411X467501   22411X470503   22411X470506   22411X470613												
Total.....				167,475.00	0.00	167,475.00	15,072.75		15,072.75		0.00	

e (In Figures): 197621.0

e (In Words): \*\*\*\* ONE LAKH NINETY SEVEN THOUSAND SIX HUNDRED TWENTY ONE RUPEES AND ZERO PAISA

payable on Reverse Charge: N Amount of Tax Subject to Reverse Charge: NIL

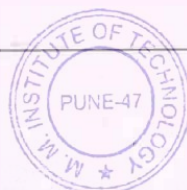
Feedback, Please Contact Us On feedback@datacare.in Or Call/WhatsApp Us On 7507200200.

Data Care Corporation, Bank: HDFC BANK LTD, Branch: Bhandarkar Road, Pune A/C No: 00072790000347, IFSC Code: HDFC000000071

Conditions mentioned behind & Received Goods in Good Condition. Irrespective of Credit period the lien over the Goods  
in with DATA CARE CORPORATION. In failure of any part of payment the DATA CARE CORPORATION have right to take  
Goods at any time and the purchaser have no objection of whatsoever nature for the same.

Date &amp; Time:

Signature:



Total Taxable Value

167,475.00

Total GST

30,145.50

TCS Amount

0.00

Rounding Off

0.50

Aggregate Value

197,621.00





# DATA CARE CORPORATION

## TAX INVOICE

( See Rule 1 under Tax Invoice Credit and Debit Note Rules )

Original For Recipient

DATA CARE CORPORATION

Sr.No.637 J M Road, Deccan,Near Hotel Sukanta PUNE - 411004 02097057596/861,  
Support@datacare.in

UID: 27ABIPM1477C1ZO

PAN No: ABIPM1477C

Division:

er Name: MARATHWADA MITR MANDAL'S

ddress: Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6, LohgaonPune- 411047  
lohgaon,411047, Contact: 9595374757

UID: 27AAATM9698N1ZI

PAN No: AAATM9698N

Invoice No: WG2206667

Invoice Date: 27/03/2023

Bill FROM: GAT NO.559/1,PR NO/5/0797,MHASKE NAGAR,BALUR PETH,MUMBAI-400006  
412307,MAHARASHTRA

TR Name: BYSELF

SP: MAYUR DUMBRE

Location: WGSAL

Recipient Name: MARATHWADA MITR MANDAL'S

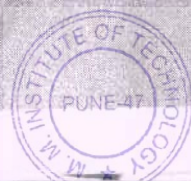
E-Way Bill No: 23156067308

Shipping Address: Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6,  
(Place of Supply) Lohgaon lohgaon

PO Ref No:  
MMM/PUR/2022-23

IRN No :fb7be79e4d29b5d4fbb0523b9e1b7680eacbae5b2d75253fdb8de34334b6a6ee

Description of Goods	HSN/ SAC Code	Qty	Rate Per Unit	Total	Discount Amount	Taxable Value	CGST Rate%	CGST Amt	SGST Rate%	SGST Amt	IGST Rate %	IGST Amt
CARD PCI ASUS 2GB DDR5 GT730	84733099	66	3,100.00	2,04,600.00	0.00	2,04,600.00	9.00	18,414.00	9.00	18,414.00	0.00	0.00
MX00W721SMV   NAYVMX004081GWW   NAYVMX004082529   NAYVMX004083NAK   NAYVMX004084CR3   NAYVMX004085Y4D   NAYVMX004086JDW   NAYVMX004087NL7   NAYVMX004088C7X   MX004089YFY   NAYVMX004090JX4   NAYVMX004091DF8   NAYVMX0040927CC   NAYVMX004093Y9F   NAYVMX004094PEJ   NAYVMX0040955CN   NAYVMX004096S9Z   NAYVMX004097M64   MX004098G38   NAYVMX004099A8C   NAYVMX004100776   NAYVMX004445MDX   NAYVMX0044489F5   NAYVMX004449WNZ   NAYVMX0044508RG   NAYVMX004451Y8V   NBYVMX016130KNE   MX016131KBV   NBYVMX016132L7B   NBYVMX016133LVN   NBYVMX016134MM9   NBYVMX016135MAL   NBYVMX016136NT6   NBYVMX016137NPX   NBYVMX016138WD3   NBYVMX016139W9F   MX016140H5N   NBYVMX016141NSV   NBYVMX016142YD2   NBYVMX016143754   NBYVMX016144SL7   NBYVMX016145659   NBYVMX016146CTC   NBYVMX016147XDE   NBYVMX016148PTH   MX0161492LK   NBYVMX0166506YH   NBYVMX016651CUP   NBYVMX016652JS7   NBYVMX016653PVG   NBYVMX0166543VV   NBYVMX016655AU6   NBYVMX0166562SF   NBYVMX0166579VN   MX016658FW5   NBYVMX016659MMD   NBYVMX01666033B   NBYVMX016661HHG   NBYVMX0166622ZL   NBYVMX016663HEV   NBYVMX0166642S4   NBYVMX016665HB9   NBYVMX0166662PD   MX01666728X   NBYVMX016668HMN   NBYVMX01666925Y												
KB+MOUSE LOGI USB MK120 (COMBO)	84716040	77	625.00	48,125.00	0.00	48,125.00	9.00	4,331.25	9.00	4,331.25	0.00	0.00
MNTR LENOVO 23.8" L24i-30 (66BDKAC2IN) IPS+HDMI +VGA+ BORDERLESS	85285200	77	7,350.00	5,65,950.00	0.00	5,65,950.00	9.00	50,935.50	9.00	50,935.50	0.00	0.00
6BDKAC2INUPB64VDR   1S66BDKAC2INUPB64VF3   1S66BDKAC2INUPB64VGK   1S66BDKAC2INUPB64VGZ   1S66BDKAC2INUPB66R6A   1S66BDKAC2INUPB66R6D   1S66BDKAC2INUPB66R6F   1S66BDKAC2INUPB66R6K   1S66BDKAC2INUPB66R6N   1S66BDKAC2INUPB66R6P   1S66BDKAC2INUPB66R6R   1S66BDKAC2INUPB66R6T   1S66BDKAC2INUPB66R6V   1S66BDKAC2INUPB66R6W   1S66BDKAC2INUPB66R6Y   1S66BDKAC2INUPB66R6Z   1S66BDKAC2INUPB66R70   1S66BDKAC2INUPB66R71   1S66BDKAC2INUPB66R74   1S66BDKAC2INUPB66R75   1S66BDKAC2INUPB66R76   1S66BDKAC2INUPB66R77   1S66BDKAC2INUPB66R78   1S66BDKAC2INUPB66R79   1S66BDKAC2INUPB66R7A   1S66BDKAC2INUPB66R7B   1S66BDKAC2INUPB66R7C   1S66BDKAC2INUPB66R7D   1S66BDKAC2INUPB66R7G   1S66BDKAC2INUPB66R7K   1S66BDKAC2INUPB66R7P   1S66BDKAC2INUPB66R82   1S66BDKAC2INUPB66R8B   1S66BDKAC2INUPB66R8D   1S66BDKAC2INUPB66R8F   1S66BDKAC2INUPB66R8L   1S66BDKAC2INUPB66R8M   1S66BDKAC2INUPB66R8N   1S66BDKAC2INUPB66R8P   1S66BDKAC2INUPB66R8R   1S66BDKAC2INUPB66R8T   1S66BDKAC2INUPB66R8V   1S66BDKAC2INUPB66R8Y   1S66BDKAC2INUPB66R8Z   1S66BDKAC2INUPB66R90   1S66BDKAC2INUPB66R91   1S66BDKAC2INUPB66R94   1S66BDKAC2INUPB66R95   1S66BDKAC2INUPB66R96   1S66BDKAC2INUPB66R97   1S66BDKAC2INUPB66R98   1S66BDKAC2INUPB66R99   1S66BDKAC2INUPB671R1   1S66BDKAC2INUPB671RH   1S66BDKAC2INUPB671T8   1S66BDKAC2INUPB671TC   1S66BDKAC2INUPB671TX   1S66BDKAC2INUPB671V4   1S66BDKAC2INUPB671V5   1S66BDKAC2INUPB671V6   1S66BDKAC2INUPB671V7   1S66BDKAC2INUPB671V8   1S66BDKAC2INUPB671V9   1S66BDKAC2INUPB671W1   1S66BDKAC2INUPB671W2   1S66BDKAC2INUPB671W3   1S66BDKAC2INUPB671W4   1S66BDKAC2INUPB671W5   1S66BDKAC2INUPB671W6   1S66BDKAC2INUPB671W7   1S66BDKAC2INUPB671W8   1S66BDKAC2INUPB671W9   1S66BDKAC2INUPB672D1   1S66BDKAC2INUPB672D2   1S66BDKAC2INUPB672D3   1S66BDKAC2INUPB672D4   1S66BDKAC2INUPB672D5   1S66BDKAC2INUPB672D6   1S66BDKAC2INUPB672D7   1S66BDKAC2INUPB672D8   1S66BDKAC2INUPB672D9   1S66BDKAC2INUPB672E1   1S66BDKAC2INUPB672E2   1S66BDKAC2INUPB672E3   1S66BDKAC2INUPB672E4   1S66BDKAC2INUPB672E5   1S66BDKAC2INUPB672E6   1S66BDKAC2INUPB672E7   1S66BDKAC2INUPB672E8   1S66BDKAC2INUPB672E9   1S66BDKAC2INUPB672F1   1S66BDKAC2INUPB672F2   1S66BDKAC2INUPB672F3   1S66BDKAC2INUPB672F4   1S66BDKAC2INUPB672F5   1S66BDKAC2INUPB672F6   1S66BDKAC2INUPB672F7   1S66BDKAC2INUPB672F8   1S66BDKAC2INUPB672F9   1S66BDKAC2INUPB672G1   1S66BDKAC2INUPB672G2   1S66BDKAC2INUPB672G3   1S66BDKAC2INUPB672G4   1S66BDKAC2INUPB672G5   1S66BDKAC2INUPB672G6   1S66BDKAC2INUPB672G7   1S66BDKAC2INUPB672G8   1S66BDKAC2INUPB672G9   1S66BDKAC2INUPB672H1   1S66BDKAC2INUPB672H2   1S66BDKAC2INUPB672H3   1S66BDKAC2INUPB672H4   1S66BDKAC2INUPB672H5   1S66BDKAC2INUPB672H6   1S66BDKAC2INUPB672H7   1S66BDKAC2INUPB672H8   1S66BDKAC2INUPB672H9   1S66BDKAC2INUPB672I1   1S66BDKAC2INUPB672I2   1S66BDKAC2INUPB672I3   1S66BDKAC2INUPB672I4   1S66BDKAC2INUPB672I5   1S66BDKAC2INUPB672I6   1S66BDKAC2INUPB672I7   1S66BDKAC2INUPB672I8   1S66BDKAC2INUPB672I9   1S66BDKAC2INUPB672J1   1S66BDKAC2INUPB672J2   1S66BDKAC2INUPB672J3   1S66BDKAC2INUPB672J4   1S66BDKAC2INUPB672J5   1S66BDKAC2INUPB672J6   1S66BDKAC2INUPB672J7   1S66BDKAC2INUPB672J8   1S66BDKAC2INUPB672J9   1S66BDKAC2INUPB672K1   1S66BDKAC2INUPB672K2   1S66BDKAC2INUPB672K3   1S66BDKAC2INUPB672K4   1S66BDKAC2INUPB672K5   1S66BDKAC2INUPB672K6   1S66BDKAC2INUPB672K7   1S66BDKAC2INUPB672K8   1S66BDKAC2INUPB672K9   1S66BDKAC2INUPB672L1   1S66BDKAC2INUPB672L2   1S66BDKAC2INUPB672L3   1S66BDKAC2INUPB672L4   1S66BDKAC2INUPB672L5   1S66BDKAC2INUPB672L6   1S66BDKAC2INUPB672L7   1S66BDKAC2INUPB672L8   1S66BDKAC2INUPB672L9   1S66BDKAC2INUPB672M1   1S66BDKAC2INUPB672M2   1S66BDKAC2INUPB672M3   1S66BDKAC2INUPB672M4   1S66BDKAC2INUPB672M5   1S66BDKAC2INUPB672M6   1S66BDKAC2INUPB672M7   1S66BDKAC2INUPB672M8   1S66BDKAC2INUPB672M9   1S66BDKAC2INUPB672N1   1S66BDKAC2INUPB672N2   1S66BDKAC2INUPB672N3   1S66BDKAC2INUPB672N4   1S66BDKAC2INUPB672N5   1S66BDKAC2INUPB672N6   1S66BDKAC2INUPB672N7   1S66BDKAC2INUPB672N8   1S66BDKAC2INUPB672N9												
CBNT CIRCLE DESIRE D13.0	84733099	77	1,725.00	1,32,825.00	0.00	1,32,825.00	9.00	11,954.25	9.00	11,954.25	0.00	0.00



MMIT Lohgaon  
GST No: 27/03/23  
GST No: 27/03/23  
Bill No: 30/03/23

Page 1



DATA CARE CORPORATION

Sr.No.537, J M Road, Deccan, Near Hotel Sukanta PUNE - 411004 02027057598/661,  
Support@datacare.in

Z7ABIPM1477C1ZQ

PAN No: ABIPM1477C

Division:

MARATHWADA MITR MANDAL'S

Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6, LohgaonPune- 411047,  
lohaon,411047, Contact: 9595374757

27AAATM9698N1ZI

PAN No: AAATM9698N

Invoice No: WG2206667

Invoice Date: 27-Mar-2023

Due Date: 25-Apr-2023

Bill FROM: GAT NO.559/1, PR NO/5/0797, MHASKE NAGAR, BAKURI PHATA, WAGHOLI, PUNE-412307, MAHARASHTRA

TR Name: BYSELF,

SP: MAYUR DUMBRE

Location: WGHSAL

Recipient Name: MARATHWADA MITR MANDAL'S

E-Way Bill No: 23156087938

Shipping Address: Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6,  
(Place of Supply) Lohgaon lohaonPO Ref No:  
MMM/PUR/2022-23

IRN No :fb7be79e4d29b5d4fbb0523b9e1b7680eacbae5b2d75253fdb8de34334b6a6ee

Description of Goods	HSN/ SAC Code	Qty	Rate Per Unit	Total	Discount Amount	Taxable Value	CGST Rate%	CGST Amt	SGST Rate%	SGST Amt	IGST Rate%	IGST Amt
ARD PCI ASUS 2GB DDR5 GT730	84733099	66	3,100.00	2,04,600.00	0.00	2,04,600.00	9.00	18,414.00	9.00	18,414.00	0.00	0.00
N721SMV   NAYVMX004081GWW   NAYVMX004082529   NAYVMX004083NAK   NAYVMX004084CR3   NAYVMX004085Y4D   NAYVMX004086JDW   NAYVMX004087NL7   NAYVMX004088C7X   NAYVMX004089YFY   NAYVMX004090JX4   NAYVMX004091DF8   NAYVMX0040927CC   NAYVMX004093Y9F   NAYVMX004094PEJ   NAYVMX0040955CN   NAYVMX004096S9Z   NAYVMX004097M64   NAYVMX004098G38   NAYVMX004099A8C   NAYVMX004100776   NAYVMX004445MDX   NAYVMX0044489F5   NAYVMX004449WNZ   NAYVMX0044508RG   NAYVMX004451Y8V   NBYVMX016130KNE   NBYVMX016139W9F   NBYVMX016132L7B   NBYVMX016133LVN   NBYVMX016134MM9   NBYVMX016135MAL   NBYVMX016136NT6   NBYVMX016137NPX   NBYVMX016138WD3   NBYVMX016147XDE   NBYVMX016148PTH   NBYVMX016141NSV   NBYVMX016142YD2   NBYVMX016143754   NBYVMX016144SL7   NBYVMX016145659   NBYVMX016146CTC   NBYVMX016147XDE   NBYVMX016148PTH   NBYVMX0166506YH   NBYVMX016651CUP   NBYVMX016652JS7   NBYVMX016653PVG   NBYVMX0166543WW   NBYVMX016655AU6   NBYVMX0166562SF   NBYVMX0166579VN   NBYVMX016659MMD   NBYVMX01666033B   NBYVMX016661HHG   NBYVMX016662ZL   NBYVMX016663HEV   NBYVMX0166642S4   NBYVMX016665HB9   NBYVMX0166662PD												
KB+MOUSE LOGI USB MK120 (COMBO)	84716040	77	625.00	48,125.00	0.00	48,125.00	9.00	4,331.25	9.00	4,331.25	0.00	0.00
MINTR LENOVO 23.8" L241-30 (66BDKAC2IN) IPS+HDMI +VGA+ BORDERLESS	85285200	77	7,350.00	5,65,950.00	0.00	5,65,950.00	9.00	50,935.50	9.00	50,935.50	0.00	0.00
1S66BDKAC2INUPB64VDR   1S66BDKAC2INUPB64VF3   1S66BDKAC2INUPB64VGK   1S66BDKAC2INUPB64VGZ   1S66BDKAC2INUPB66R6A   1S66BDKAC2INUPB66R6D   1S66BDKAC2INUPB66R6F   1S66BDKAC2INUPB66R6K   1S66BDKAC2INUPB66R6N   1S66BDKAC2INUPB66R6P   1S66BDKAC2INUPB66R6R   1S66BDKAC2INUPB66R6T   1S66BDKAC2INUPB66R6V   1S66BDKAC2INUPB66R6W   1S66BDKAC2INUPB66R6Y   1S66BDKAC2INUPB66R6Z   1S66BDKAC2INUPB66R70   1S66BDKAC2INUPB66R71   1S66BDKAC2INUPB66R74   1S66BDKAC2INUPB66R75   1S66BDKAC2INUPB66R76   1S66BDKAC2INUPB66R77   1S66BDKAC2INUPB66R78   1S66BDKAC2INUPB66R79   1S66BDKAC2INUPB66R7A   1S66BDKAC2INUPB66R7B   1S66BDKAC2INUPB66R7C   1S66BDKAC2INUPB66R7D   1S66BDKAC2INUPB66R7G   1S66BDKAC2INUPB66R7K   1S66BDKAC2INUPB66R7P   1S66BDKAC2INUPB66R82   1S66BDKAC2INUPB66R8B   1S66BDKAC2INUPB66R8D   1S66BDKAC2INUPB66R8F   1S66BDKAC2INUPB66R8L   1S66BDKAC2INUPB66R8M   1S66BDKAC2INUPB66R8N   1S66BDKAC2INUPB66R8P   1S66BDKAC2INUPB66R8R   1S66BDKAC2INUPB66R8T   1S66BDKAC2INUPB66R8V   1S66BDKAC2INUPB66R8W   1S66BDKAC2INUPB66R8Y   1S66BDKAC2INUPB66R8Z   1S66BDKAC2INUPB66R90   1S66BDKAC2INUPB66R91   1S66BDKAC2INUPB66R94   1S66BDKAC2INUPB66R95   1S66BDKAC2INUPB66R96   1S66BDKAC2INUPB66R97   1S66BDKAC2INUPB66R98   1S66BDKAC2INUPB66R99   1S66BDKAC2INUPB671R1   1S66BDKAC2INUPB671R2   1S66BDKAC2INUPB671R3   1S66BDKAC2INUPB671R4   1S66BDKAC2INUPB671R5   1S66BDKAC2INUPB671R6   1S66BDKAC2INUPB671R7   1S66BDKAC2INUPB671R8   1S66BDKAC2INUPB671R9   1S66BDKAC2INUPB672D1   1S66BDKAC2INUPB672D2   1S66BDKAC2INUPB672D3   1S66BDKAC2INUPB672D4   1S66BDKAC2INUPB672D5   1S66BDKAC2INUPB672D6   1S66BDKAC2INUPB672D7   1S66BDKAC2INUPB672D8   1S66BDKAC2INUPB672D9   1S66BDKAC2INUPB672E1   1S66BDKAC2INUPB672E2   1S66BDKAC2INUPB672E3   1S66BDKAC2INUPB672E4   1S66BDKAC2INUPB672E5   1S66BDKAC2INUPB672E6   1S66BDKAC2INUPB672E7   1S66BDKAC2INUPB672E8   1S66BDKAC2INUPB672E9   1S66BDKAC2INUPB672F1   1S66BDKAC2INUPB672F2   1S66BDKAC2INUPB672F3   1S66BDKAC2INUPB672F4   1S66BDKAC2INUPB672F5   1S66BDKAC2INUPB672F6   1S66BDKAC2INUPB672F7   1S66BDKAC2INUPB672F8   1S66BDKAC2INUPB672F9   1S66BDKAC2INUPB672G1   1S66BDKAC2INUPB672G2   1S66BDKAC2INUPB672G3   1S66BDKAC2INUPB672G4   1S66BDKAC2INUPB672G5   1S66BDKAC2INUPB672G6   1S66BDKAC2INUPB672G7   1S66BDKAC2INUPB672G8   1S66BDKAC2INUPB672G9   1S66BDKAC2INUPB672H1   1S66BDKAC2INUPB672H2   1S66BDKAC2INUPB672H3   1S66BDKAC2INUPB672H4   1S66BDKAC2INUPB672H5   1S66BDKAC2INUPB672H6   1S66BDKAC2INUPB672H7   1S66BDKAC2INUPB672H8   1S66BDKAC2INUPB672H9   1S66BDKAC2INUPB672I1   1S66BDKAC2INUPB672I2   1S66BDKAC2INUPB672I3   1S66BDKAC2INUPB672I4   1S66BDKAC2INUPB672I5   1S66BDKAC2INUPB672I6   1S66BDKAC2INUPB672I7   1S66BDKAC2INUPB672I8   1S66BDKAC2INUPB672I9   1S66BDKAC2INUPB672J1   1S66BDKAC2INUPB672J2   1S66BDKAC2INUPB672J3   1S66BDKAC2INUPB672J4   1S66BDKAC2INUPB672J5   1S66BDKAC2INUPB672J6   1S66BDKAC2INUPB672J7   1S66BDKAC2INUPB672J8   1S66BDKAC2INUPB672J9   1S66BDKAC2INUPB672K1   1S66BDKAC2INUPB672K2   1S66BDKAC2INUPB672K3   1S66BDKAC2INUPB672K4   1S66BDKAC2INUPB672K5   1S66BDKAC2INUPB672K6   1S66BDKAC2INUPB672K7   1S66BDKAC2INUPB672K8   1S66BDKAC2INUPB672K9   1S66BDKAC2INUPB672L1   1S66BDKAC2INUPB672L2   1S66BDKAC2INUPB672L3   1S66BDKAC2INUPB672L4   1S66BDKAC2INUPB672L5   1S66BDKAC2INUPB672L6   1S66BDKAC2INUPB672L7   1S66BDKAC2INUPB672L8   1S66BDKAC2INUPB672L9   1S66BDKAC2INUPB672M1   1S66BDKAC2INUPB672M2   1S66BDKAC2INUPB672M3   1S66BDKAC2INUPB672M4   1S66BDKAC2INUPB672M5   1S66BDKAC2INUPB672M6   1S66BDKAC2INUPB672M7   1S66BDKAC2INUPB672M8   1S66BDKAC2INUPB672M9   1S66BDKAC2INUPB672N1   1S66BDKAC2INUPB672N2   1S66BDKAC2INUPB672N3   1S66BDKAC2INUPB672N4   1S66BDKAC2INUPB672N5   1S66BDKAC2INUPB672N6   1S66BDKAC2INUPB672N7   1S66BDKAC2INUPB672N8   1S66BDKAC2INUPB672N9   1S66BDKAC2INUPB672O1   1S66BDKAC2INUPB672O2   1S66BDKAC2INUPB672O3   1S66BDKAC2INUPB672O4   1S66BDKAC2INUPB672O5   1S66BDKAC2INUPB672O6   1S66BDKAC2INUPB672O7   1S66BDKAC2INUPB672O8   1S66BDKAC2INUPB672O9   1S66BDKAC2INUPB672P1   1S66BDKAC2INUPB672P2   1S66BDKAC2INUPB672P3   1S66BDKAC2INUPB672P4   1S66BDKAC2INUPB672P5   1S66BDKAC2INUPB672P6   1S66BDKAC2INUPB672P7   1S66BDKAC2INUPB672P8   1S66BDKAC2INUPB672P9   1S66BDKAC2INUPB672Q1   1S66BDKAC2INUPB672Q2   1S66BDKAC2INUPB672Q3   1S66BDKAC2INUPB672Q4   1S66BDKAC2INUPB672Q5   1S66BDKAC2INUPB672Q6   1S66BDKAC2INUPB672Q7   1S66BDKAC2INUPB672Q8   1S66BDKAC2INUPB672Q9   1S66BDKAC2INUPB672R1   1S66BDKAC2INUPB672R2   1S66BDKAC2INUPB672R3   1S66BDKAC2INUPB672R4   1S66BDKAC2INUPB672R5   1S66BDKAC2INUPB672R6   1S66BDKAC2INUPB672R7   1S66BDKAC2INUPB672R8   1S66BDKAC2INUPB672R9   1S66BDKAC2INUPB672S1   1S66BDKAC2INUPB672S2   1S66BDKAC2INUPB672S3   1S66BDKAC2INUPB672S4   1S66BDKAC2INUPB672S5   1S66BDKAC2INUPB672S6   1S66BDKAC2INUPB672S7   1S66BDKAC2INUPB672S8   1S66BDKAC2INUPB672S9   1S66BDKAC2INUPB672T1   1S66BDKAC2INUPB672T2   1S66BDKAC2INUPB672T3   1S66BDKAC2INUPB672T4   1S66BDKAC2INUPB672T5   1S66BDKAC2INUPB672T6   1S66BDKAC2INUPB672T7   1S66BDKAC2INUPB672T8   1S66BDKAC2INUPB672T9   1S66BDKAC2INUPB672U1   1S66BDKAC2INUPB672U2   1S66BDKAC2INUPB672U3   1S66BDKAC2INUPB672U4   1S66BDKAC2INUPB672U5   1S66BDKAC2INUPB672U6   1S66BDKAC2INUPB672U7   1S66BDKAC2INUPB672U8   1S66BDKAC2INUPB672U9   1S66BDKAC2INUPB672V1   1S66BDKAC2INUPB672V2   1S66BDKAC2INUPB672V3   1S66BDKAC2INUPB672V4   1S66BDKAC2INUPB672V5   1S66BDKAC2INUPB672V6   1S66BDKAC2INUPB672V7   1S66BDKAC2INUPB672V8   1S66BDKAC2INUPB672V9   1S66BDKAC2INUPB672W1   1S66BDKAC2INUPB672W2   1S66BDKAC2INUPB672W3   1S66BDKAC2INUPB672W4   1S66BDKAC2INUPB672W5   1S66BDKAC2INUPB672W6   1S66BDKAC2INUPB672W7   1S66BDKAC2INUPB672W8   1S66BDKAC2INUPB672W9   1S66BDKAC2INUPB672X1   1S66BDKAC2INUPB672X2   1S66BDKAC2INUPB672X3   1S66BDKAC2INUPB672X4   1S66BDKAC2INUPB672X5   1S66BDKAC2INUPB672X6   1S66BDKAC2INUPB672X7   1S66BDKAC2INUPB672X8   1S66BDKAC2INUPB672X9   1S66BDKAC2INUPB672Y1   1S66BDKAC2INUPB672Y2   1S66BDKAC2INUPB672Y3   1S66BDKAC2INUPB672Y4   1S66BDKAC2INUPB672Y5   1S66BDKAC2INUPB672Y6   1S66BDKAC2INUPB672Y7   1S66BDKAC2INUPB672Y8   1S66BDKAC2INUPB672Y9   1S66BDKAC2INUPB672Z1   1S66BDKAC2INUPB672Z2   1S66BDKAC2INUPB672Z3   1S66BDKAC2INUPB672Z4   1S66BDKAC2INUPB672Z5   1S66BDKAC2INUPB672Z6   1S66BDKAC2INUPB672Z7   1S66BDKAC2INUPB672Z8   1S66BDKAC2INUPB672Z9												
CBNT CIRCLE DESIRE D1 3.0	84733099	77	1,725.00	1,32,825.00	0.00	1,32,825.00	9.00	11,954.25	9.00	11,954.25	0.00	0.00





DATA CARE CORPORATION

Sr.No.637 J M Road, Deccan, Near Hotel Sukanta PUNE - 411004  
Support@datacare.in

27ABIPM1477C1ZQ PAN No: ABIPM1477C

Division:

Name: MARATHWADA MITR MANDAL'S

s: Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6, Lohgaon Pune - 411047  
lohgaon, 411047, Contact: 9595374757

27AAATM9698N1ZI PAN No: AAATM9698N

Invoice No: WG2206657

Invoice Date: 27-08-2022

Invoice Ref: 231569067935

B FROM:

GAT NO.559/1, PR NO.5/0797, MHASKE NAGAR, SAKURE PHATA, WAGHOLI, PUNE-412307, MAHARASHTRA

TR Name:

BYSELF.

SP: MAYUR DUMBRE

Location: WIGHSAL

Recipient Name:

MARATHWADA MITR MANDAL'S

E-Way Bill No: 231569067935

Shipping Address: Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6,  
(Place of Supply) Lohgaon lohgaonPO Ref No:  
MMM/PUR/2022-23

IRN No :fb7be79e4d29b5d4fbb0523b9e1b7680eacbae5b2d75253fdb8de34334b6a6ee

Description of Goods	HSN/ SAC Code	Qty	Rate Per Unit	Total	Discount Amount	Taxable Value	CGST Rate%	CGST Amt	SGST Rate%	SGST Amt	IGST Rate %	IGST Amt
				9,51,500.00	0.00	9,51,500.00		85,635.00		85,635.00		0.00
<b>Total.....</b>												

Value (In Figures): 1122770.0

Value ( In Words ): \*\*\*\* ELEVEN LAKH TWENTY TWO THOUSAND SEVEN HUNDRED SEVENTY RUPEES AND ZERO PAISA

tax is payable on Reverse Charge: N Amount of Tax Subject to Reverse Charge: NIL

int/Feedback, Please Contact Us On feedback@datacare.in Or Call/WhatsApp Us On 7507200200.

s: Data Care Corporation, Bank: HDFC BANK LTD, Branch: Bhandarkar Road, Pune A/C No: 00072790000347, IFSC Code: HDFC0000003

Terms &amp; Conditions mentioned behind &amp; Received Goods in Good Condition. Irrespective of Credit period the lien over the Goods sold remain with DATA CARE CORPORATION. In failure of any part of payment the DATA CARE CORPORATION have right to take such goods at any time and the purchaser have no objection of whatsoever nature for the same.

Name:

Date &amp; Time:

Signature:



DATA CARE CORPORATION

(Authorised Signatory)

\*6667-MARATHWA-LOH-BYS\*



TAX INVOICE

( See Rule 1 under Tax Invoice Credit and Debit Note Rules )

Original For Recipient

DATA CARE CORPORATION

No.637, J M Road, Deccan, Near Hotel Sukanta PUNE - 411004 02067057596/661  
support@datacare.in

ABIPM1477C1ZQ PAN No: ABIPM1477C

Division:

CREDIT

MARATHWADA MITR MANDAL'S

MMM10

Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6, Lohgaon Pune - 411047,  
lohgaon.411047, Contact: 9595374757

27AAATM9698N1Z1 PAN No: AAATM9698N

Invoice No: HO22137285

Invoice Date: 29 Mar 2023 Due Date: 28 Apr 2023

Bill FROM: DCC House, JM Road, Sr. No.637, Deccan, Pune, Maharashtra 411004

TR Name: BYSELF, BYSELF

SP: MAYUR DUMBRE

Location: HOSAL

Recipient Name: MARATHWADA MITR MANDAL'S

E-Way Bill No: 251569299068

Shipping Address: Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6,  
(Place of Supply) Lohgaon lohgaon

PO Ref No:  
MMM/MMIT/PUR/2022-  
23/1760

IRN No: f832cded74fc6e23221f5b785ee12bc0fd2d309c8dfd0942cb336abe7d303590

Description of Goods	HSN/ SAC Code	Qty	Rate Per Unit	Total	Discount Amount	Taxable Value	CGST Rate%	CGST Amt	SGST Rate%	SGST Amt	IGST Rate %	IGST Amt
ASUS PRIME H610M-CS-D4	84733020	34	5,600.00	190,400.00	0.00	190,400.00	9.00	17,136.00	9.00	17,136.00	0.00	0.00
7R5   N9M0KC410854EGP   N9M0KC410855LDJ   N9M0KC410856S2C   N9M0KC410857U6   N9M0KC410858CJV   N9M0KC410859J8K   N9M0KC410860D2H   N9M0KC410861PMA   N9M0KC410862W33   N9M0KC410863ZVP   N9M0KC410864NMH   N9M0KC410865HX9   N9M0KC410866BEZ   N9M0KC410867SEB   N9M0KC4108685AJ   N9M0KC4108697FN   N9M0KC410870163F   N9M0KC4108712U6   N9M0KC4112846JC   N9M0KC411285KK6   N9M0KC411286JTY   N9M0KC411383F7B   N9M0KC4113843H5   N9M0KC41138565V   N9M0KC4113869FK   N9M0KC411387CVE   N9M0KC411388ED8   N9M0KC411390YLW   N9M0KC4113918AX   N9M0KC411392F7B												
16GB DDR4 MICRON CRUCIAL 3200	84733099	41	2,475.00	101,475.00	0.00	101,475.00	9.00	9,132.75	9.00	9,132.75	0.00	0.00
76FA0B7   S802C1A2251E76FA0BA   S802C1A2251E76FA712   S802C1A2251E76FA714   S802C1A2251E76FB7A5   S802C1A2251E76FB7B7   S802C1A2251E76FBCAC   S802C1A2251E76FBCB8   S802C1A2251E76FBCE3   S802C1A2251E76FBE23   S802C1A2251E76FBE44   S802C1A2251E76FBE55   S802C1A2251E76FBE6B   S802C1A2251E76FBE6C   S802C1A2251E76FBF1D   S802C1A2251E76FBF9F   S802C1A2251E76FBFB8   S802C1A2251E76FBFBE   S802C1A2251E76FBFEA   S802C1A2251E76FC02D   S802C1A2251E76FC0D0   S802C1A2251E76FC0E9   S802C1A2251E76FC15F   S802C1A2251E76FC179   S802C1A2251E76FC188   S802C1A2251E76FC19C   S802C1A2251E76FC1EA   S802C1A2251E76FC243   S802C1A2251E76FC772   S802C1A2251E76FC790   S802C1A2251E76FC792   S802C1A2251E76FC7EE   S802C1A2251E76FC808   S802C1A2251E76FC889   S802C1A2251E76FC931   S802C1A2251E76FC9A3   S802C1A2251E76FC9C7												
INTEL C15 12TH Gen 12400F(2.5GHz)	84733010	37	12,500.00	462,500.00	0.00	462,500.00	9.00	41,625.00	9.00	41,625.00	0.00	0.00
S   U2LX428600492   U2LX428600593   U2LX428600637   U2LX428600935   U2LX428601396   U2LX428601700   U3LB507501493   U3LB507501496   U3LB507501497   U3LB507502674   U3LB507502747   U3LB507502769   U3LB507502776   U3LB507502787   U3LB507502789   U3LB507502795   U3LB507502842   U3LB507502939   U3LB507502940   U3LB507503203   U3LB507503409   U3LB507503414   U3LB507503444   U3LB507503650   U3LB507503669   U3LB507503682   U3LB507503704   U3LB507503722   U3LB507503723   U3LB507503729   U3LB507503746   U3LB507503878   U3LB507504356												
Total.....				754,375.00	0.00	754,375.00		67,893.75		67,893.75		0.00

Value (In Figures): 890163.0

Value (In Words): \*\*\*\* EIGHT LAKH NINETY THOUSAND ONE HUNDRED SIXTY THREE RUPEES AND ZERO PAISA ONLY\*\*\*\*

Amount payable on Reverse Charge: N Amount of Tax Subject to Reverse Charge: NIL

Feedback, Please Contact Us On feedback@datacare.in Or Call/WhatsApp Us On 7507200200.

Data Care Corporation, Bank: HDFC BANK LTD, Branch: Bhandarkar Road, Pune A/C No: 00072790000347, IFSC Code: HDFC00000067

Conditions mentioned behind & Received Goods in Good Condition irrespective of Credit period the lien over the Goods shall remain with DATA CARE CORPORATION. In failure of any part of payment the DATA CARE CORPORATION have right to take back the goods at any time and the purchaser have no objection of whatsoever nature for the same.

DATA CARE CORPORATION

(Authorised Signatory)

Date & Time:

Signature:

MMIT, Lohgaon

GST Inward No. 29/03/23

GST Bill Date 29/03/23

Bill Recd Date 30/03/23

890163

754

889409



## DATA CARE CORPORATION

Sr.No.637,J M Road, Deccan,Near Hotel Sukanta PUNE - 411004 02067057596/661,  
Support@datacare.in

27ABIPM1477C1ZQ PAN No: ABIPM1477C

ne: MARATHWADA MITR MANDAL'S

MMM10

Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6, LohgaonPune - 411047,  
lohgaon,411047, Contact: 9595374757

27AAATM9698N1ZI

PAN No: AAATM9698N

Division:

ON CREDIT

Invoice No: HO22137285

Invoice Date: 29/Mar/2023 Due Date: 28/Apr/2023

Bill FROM: DCC House, JM Road, Sr. No.637,Deccan,Pune,Maharashtra 411004

TR Name: BYSELF, BYSELF

SP: MAYUR DUMBRE

Location: HOSAL

Recipient Name: MARATHWADA MITR MANDAL'S

E-Way Bill No: 251569296089

Shipping Address: Institute of Technology (MMIT) Sr.No. 35, Plot No. 5/6,  
(Place of Supply) Lohgaon lohgaonPO Ref No:  
MMM/MMIT/PUR/2022-  
23/1760

IRN No :f832cded74fc6e23221f5b785ee12bc0fd2d309c8dfd0942cb336abe7d303590

Description of Goods	HSN/ SAC Code	Qty	Rate Per Unit	Total	Discount Amount	Taxable Value	CGST Rate%	CGST Amt	SGST Rate%	SGST Amt	IGST Rate %	IGST Amt
ORD ASUS PRIME H610M-CS-D4	84733020	34	5,600.00	190,400.00	0.00	190,400.00	9.00	17,136.00	9.00	17,136.00	0.00	0.00
3537R5   N9M0KC410854EGP   N9M0KC410855LDJ   N9M0KC410856S2C   N9M0KC4108576U6   N9M0KC410858CJV   N9M0KC410859J8K   N9M0KC410860D2H   N9M0KC410861PMA   N9M0KC410862W33   N9M0KC410863U6   N9M0KC410864ZVP   N9M0KC410865NMH   N9M0KC410866HX9   N9M0KC410867BEZ   N9M0KC4108685AJ   N9M0KC410869SEB   N9M0KC4108707FN   N9M0KC41087163F   N9M0KC4108726U6   N9M0KC4108738AX   N9M0KC4108746JC   N9M0KC410875KK6   N9M0KC410876JTY   N9M0KC410877F7B   N9M0KC41087843H5   N9M0KC41087965V   N9M0KC4108809FK   N9M0KC410881387CUE   N9M0KC410882ED8   N9M0KC4108839HW2   N9M0KC410884YLW   N9M0KC41088518AX   N9M0KC410886F7B												
AM 16GB DDR4 MICRON CRUCIAL 3200	84733099	41	2,475.00	101,475.00	0.00	101,475.00	9.00	9,132.75	9.00	9,132.75	0.00	0.00
1E76FA0B7   S802C1A2251E76FA0BA   S802C1A2251E76FA712   S802C1A2251E76FA714   S802C1A2251E76FB7A5   S802C1A2251E76FB7B7   S802C1A2251E76FBCAC   S802C1A2251E76FBCB8   S802C1A2251E76FBCC7   S802C1A2251E76FBCE3   S802C1A2251E76FBE23   S802C1A2251E76FBE44   S802C1A2251E76FBE55   S802C1A2251E76FBE6B   S802C1A2251E76FBE6C   S802C1A2251E76FBF1D   S802C1A2251E76FBF8B   S802C1A2251E76FBF9F   S802C1A2251E76FBFB8   S802C1A2251E76FBFBE   S802C1A2251E76FBFEA   S802C1A2251E76FC02D   S802C1A2251E76FC0D0   S802C1A2251E76FC0E9   S802C1A2251E76FC153   S802C1A2251E76FC15F   S802C1A2251E76FC179   S802C1A2251E76FC188   S802C1A2251E76FC19C   S802C1A2251E76FC1EA   S802C1A2251E76FC243   S802C1A2251E76FC772   S802C1A2251E76FC78B   S802C1A2251E76FC790   S802C1A2251E76FC792   S802C1A2251E76FC7EE   S802C1A2251E76FC808   S802C1A2251E76FC889   S802C1A2251E76FC931   S802C1A2251E76FC9A3   S802C1A2251E76FC9C7												
U INTEL CI5 12TH Gen 12400F(2.5GHz)	84733010	37	12,500.00	462,500.00	0.00	462,500.00	9.00	41,625.00	9.00	41,625.00	0.00	0.00
376   U2LX428600492   U2LX428600593   U2LX428600637   U2LX428600935   U2LX428601396   U2LX428601700   U3LB507501493   U3LB507501496   U3LB507501497   U3LB507502674   U3LB507502747   U3LB507502769   U3LB507502776   U3LB507502787   U3LB507502789   U3LB507502795   U3LB507502842   U3LB507502939   U3LB507502940   U3LB507503203   U3LB507503409   U3LB507503414   U3LB507503444   U3LB507503650   U3LB507503669   U3LB507503682   U3LB507503704   U3LB507503722   U3LB507503723   U3LB507503729   U3LB507503746   U3LB507503878   U3LB507504356												
Total.....				754,375.00	0.00	754,375.00		67,893.75		67,893.75		0.00

Value (In Figures): 890163.0

Value (In Words): \*\*\*\* EIGHT LAKH NINETY THOUSAND ONE HUNDRED SIXTY THREE RUPEES AND ZERO PAISA ONLY\*\*\*\*

Tax is payable on Reverse Charge: N Amount of Tax Subject to Reverse Charge: NIL

Feedback, Please Contact Us On feedback@datacare.in Or Call/WhatsApp Us On 7507200200.

Data Care Corporation, Bank: HDFC BANK LTD, Branch: Bhandarkar Road, Pune A/C No: 00072790000347, IFSC Code: HDFC0000007

Terms &amp; Conditions mentioned behind &amp; Received Goods in Good Condition. Irrespective of Credit period the lien over the Goods remain with DATA CARE CORPORATION. In failure of any part of payment the DATA CARE CORPORATION have right to take the goods at any time and the purchaser have no objection of whatsoever nature for the same.

Name: Date &amp; Time:

Signature:



DATA CARE CORPORATION

(Authorised Signatory)







सावित्रीबाई फुले पुणे विद्यापीठ  
(पूर्वीचे पुणे विद्यापीठ)  
**Savitribai Phule Pune University**  
(Formerly Pune University)  
Ganeshkhind, Pune - 411007



दूरध्वनी क्रमांक : ०२०- २५६२११८८/८९  
Telephone : 020-25621188/89  
ईमेल/Email : [affiliation@pun.unipune.ac.in](mailto:affiliation@pun.unipune.ac.in)

शैक्षणिक विभाग (संलग्नता कक्ष)  
Academic Section (Affiliation Unit)  
वेबसाइट/Website: [www.unipune.ac.in](http://www.unipune.ac.in)

संदर्भ क्र. : सीए/७३

सुधारित पत्र

दिनांक : १७ जानेवारी, २०२३

प्रति,

- १ प्रा. (डॉ.) चासकर मनोहर ग. (अध्यक्ष) २ प्रा. (डॉ.) हर्षा पाटील  
अधिष्ठाता,  
विज्ञान व तंत्रज्ञान विद्याशाखा  
प्रस्तुत विद्यापीठ  
9822913946  
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- ३ प्रा. (डॉ.) आदित्य अभ्यंकर ४ प्रा. (डॉ.) पाटील आर. व्ही.  
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प्रस्तुत विद्यापीठ  
9860119930  
aditya1210@gmail.com
- ५ प्रा. (डॉ.) सरदार एस. ए.  
जयवंत शिक्षण प्रसारक मंडळाचे (जे.एस.पी.  
एम.), जयवंतराव सावंत कॉलेज ऑफ  
इंजिनिअरिंग, इंद्रायणीनगर, हांडेवाडी,  
हडपसर, पुणे-२८  
९८५०६६०४९८  
rvpatil3475@yahoo.com

विषय: महाविद्यालयास स्थायी संलग्नीकरण देण्याबाबतच्या समितीवर  
नियुक्तीबाबत...

महोदय,

वरील विषयास अनुसरून प्राप्त झालेल्या आदेशानुसार या पत्राद्वारे आपणास असे कळविण्यात येते की, शैक्षणिक वर्ष २०२३-२४ पासून खाली नमूद केलेल्या संलग्न महाविद्यालयाच्या नावासमोर उल्लेख केलेल्या अभ्यासक्रमांना स्थायी संलग्नीकरण द्यावे किंवा कसे याचा विचार करून शिफारस करण्यासाठी आपली चौकशी समिती नियुक्त करण्यात आलेली आहे.

संलग्न महाविद्यालयाचे नाव	अभ्यासक्रम
मराठवाडा मित्र मंडळाचे इन्स्टिट्यूट ऑफ टेक्नॉलॉजी, सर्व्हे नं. ३५, प्लॉट नं. ५/६, लोहगाव, पुणे-४११ ०४७	बी. ई. कॉम्प्युटर इंजिनिअरिंग (विद्यार्थी प्रवेश क्षमता ६०) बी. ई. मेकॅनिकल इंजिनिअरिंग (विद्यार्थी प्रवेश क्षमता ६०)




१. संबंधित संलग्न महाविद्यालयास संबंधित अभ्यासक्रमांना स्थायी संलग्नीकरण देण्यापूर्वी संबंधित महाविद्यालयास महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम २०१६ कलम ११६ मधील तरतूदी तसेच परिनियम/अध्यादेश, वगैरेंची पूर्तता करित आहेत किंवा कसे याची चौकशी करणे आवश्यक आहे.
२. या संदर्भात आपणास पुढे असेही कळविण्यात येते की संबंधित संलग्न महाविद्यालयांना कोणत्याही स्वरूपाच्या अटी शर्तीच्या आधीन राहून स्थायी संलग्नीकरण देता येत नाही. तसेच आपल्या समितीच्या प्रत्यक्ष भेटीच्या वेळी आपण कृपया संबंधित महाविद्यालयाच्या व्यवस्थापनातील पदाधिकारी, मा. प्राचार्य, शिक्षक व शिक्षकेतर सेवक यांच्याशीही आवश्यक चर्चा/विचार विनिमय करावा की, जेणेकरून नैसर्गिक न्याय्य तत्वांचा अवलंब होऊन आपला संबंधित अहवाल परिपूर्ण स्वरूपात होऊ शकेल.
३. काही कारणाने आपणास सदर समितीवर काम करणे शक्य नसल्यास कृपया हे पत्र मिळताच त्याप्रमाणे आपल्या चौकशी समितीचे अध्यक्ष तसेच मा. उपकुलसचिव (संलग्नता कक्ष) शैक्षणिक विभाग, सावित्रीबाई फुले पुणे विद्यापीठ, गणेशखिंड, पुणे-४११ ००७ यांना त्वरित कळवावे की जेणेकरून या विषयी विद्यापीठास योग्य ती पुढील कार्यवाही करणे शक्य होईल.
४. विद्यापीठ नियमानुसार आपणास विद्यापीठाचे वाहन उपलब्ध करून हवे असल्यास कमीत कमी तीन सदस्यांनी एकत्रित भेट देणे आवश्यक आहे. तसेच वाहन विषयक मागणी, प्रत्यक्ष भेट देण्यापूर्वी कमीतकमी आठ दिवसांपूर्वी लेखी स्वरूपात करणे आवश्यक आहे.

वरील परिस्थितीत आपणास विनंती की, आपण वर नमूद केलेल्या महाविद्यालयास प्रत्यक्ष भेट देऊन संबंधित अटी शर्ती/सोयीसुविधांची पूर्तता होत आहे किंवा कसे याची पाहणी/तपासणी करून संबंधित संलग्न महाविद्यालयास, संबंधित अभ्यासक्रमास स्थायी संलग्नीकरण द्यावे किंवा कसे याविषयीचा स्पष्ट अहवाल कृपया हे पत्र मिळाल्यापासून १५ दिवसांच्या आत सादर करून विद्यापीठास सहकार्य करावे.

या संदर्भात आपणास काही शंका/अडचणी असल्यास आपण कृपया मा. कक्षाधिकारी शैक्षणिक विभाग (संलग्नता कक्ष), प्रस्तुत विद्यापीठ यांच्याशी संपर्क साधावा.

कृपया अहवालासोबत हे पत्र जोडावे. तसेच प्रवासभत्ता बील एकत्रीत पाठवावीत. कळावे,

टीप : यापूर्वीचे संदर्भ पत्र क्र. सीए/२२६७, दि. ०६ डिसेंबर, २०२२ रद्द समजण्यात यावे.

आपला  
  
 17/01/2023  
 उपकुलसचिव  
 (संलग्नता कक्ष)

प्रत माहितीसाठी सादर रवाना :-

- १) मा. अध्यक्ष/सचिव/प्राचार्य, संबंधित महाविद्यालय.  
 यांना विनंती की, महाविद्यालयास चौकशी समितीचे पत्र मिळताच समितीचे अध्यक्ष व इतर सदस्यांशी त्वरित संपर्क साधून भेटीची तारीख निश्चित करून घ्यावी. समितीच्या भेटीच्या वेळी योग्य ती कागदपत्रे दाखवून समितीस सहकार्य करावे. तसेच समितीने भेट दिल्यानंतर अहवाल सावित्रीबाई फुले पुणे विद्यापीठाकडे सादर करण्याबाबत समितीस मदत करण्यात यावी.
- २) मा. वित्त व लेखा अधिकारी, प्रस्तुत विद्यापीठ
- ३) गृहव्यवस्थापक, प्रस्तुत विद्यापीठ





दिनांक: २७.०४.२०२३

10/05/23

प्रति,  
मा. कुलसचिव,  
शैक्षणिक विभाग,  
सावित्रीबाई फुले पुणे विद्यापीठ  
पुणे-४११००७

विषय: बी.ई. कॉम्प्युटर इंजिनिअरिंग (४ वर्षे) व बी.ई. मेकॅनिकल इंजिनिअरिंग (४ वर्षे) या अभ्यासक्रमांस  
कायम संलग्निकरण देण्याबाबतच्या तज्ञ समितीच्या अहवालाबाबत (CEGP013870)  
संदर्भ क्र. आपले पत्र क्र. सीए/७३ दिनांक : १७ जानेवारी २०२३

महोदय,

उपरोक्त विषयास अनुसरून मराठवाडा मित्र मंडळाचे इन्स्टिट्यूट ऑफ टेक्नॉलॉजी लोहगांव पुणे ४११०४७  
या महाविद्यालयास दि. २७ एप्रिल २०२३ रोजी तज्ञ समितीने बी.ई. कॉम्प्युटर इंजिनिअरिंग (४ वर्षे) व बी.ई.  
मेकॅनिकल इंजिनिअरिंग (४ वर्षे) या अभ्यासक्रमांस कायम संलग्निकरणाकरिता महाविद्यालयास प्रत्यक्ष  
भेट दिली.

या समितीमध्ये खालीलप्रमाणे सदस्यांचा समावेश होता:-


- |                              |                     |
|------------------------------|---------------------|
| १. प्रा. डॉ. मनोहर ग. चासकर  | अध्यक्ष, तज्ञ समिती |
| २. प्रा. डॉ. आदित्य अभ्यंकर  | सदस्य, तज्ञ समिती   |
| ३. प्रा. डॉ. आर. व्ही. पाटील | सदस्य, तज्ञ समिती   |
| ४. प्रा. डॉ. विजय एम. सरदार  | सदस्य, तज्ञ समिती   |

परिशिष्ट व सूचीनुसार पाहणी करून आवश्यक त्या कागदपत्रांसह समितीचा कायम संलग्निकरणास शिफारस  
असल्याचा अहवाल पुढील कार्यवाहीसाठी आपणाकडे सादर करित आहोत. त्यावर योग्य ती कार्यवाही व्हावी ही  
विनंती.

कळावे,

प्रा. डॉ. मनोहर ग. चासकर  
अध्यक्ष, तज्ञ समिती

शैक्षणिक विभाग (संलग्नता कक्ष)  
सावित्रीबाई फुले पुणे विद्यापीठ,  
(पूर्वीचे पुणे विद्यापीठ)

शैक्षणिक विभाग (संलग्नता कक्ष) दिनांक 10/05/23  
सावित्रीबाई फुले पुणे विद्यापीठ, स्वाक्षरी.   
(पूर्वीचे पुणे विद्यापीठ)

दिनांक 23/4/23

स्वाक्षरी. 







# MARATHWADA MITRA MANDAL, PUNE

202/A, Deccan Gymkhana, Pune - 411004

Registration Under Societies Registration Act 1860-Mah./523 dated 6/1/1967

Registration Under Bombay Public Trust Act 1950-f-338(P) dated 19/1/1967

Tel. : 020-25665320, 8149032328 Telefax: 020 - 25653039

E-mail : mmmmandal67@gmail.com

Shivajirao D. Ganage, President

Bhauasaheb G. Jadhav, Exe. President

Kishor H. Mungale, Secretary

MMM/MMIT/APNT/2022-23/730

Date: 2/08/2022

To,  
**Dr. Atul Khatri**  
Pebbles Urbenia,  
Bavdhan, Pune

**Subject:- Appointment for the post of Associate Professor in Civil Engineering Department at Marathwada Mitra Mandal's Institute of Technology, Lohgaon, Pune - 411 047.**

In response to your application to our advertisement in daily Sakal dated 26/07/2022 and daily Loksatta and Indian Express dated 28/07/2022 and the subsequent interview conducted by Local Selection Committee, we are pleased to appoint you on the post of **Associate Professor in Civil Engineering Department** in Marathwada Mitra Mandal's Institute of Technology, Lohgaon, Pune 411 047 on purely fixed term basis and importantly on the following clear-cut background and terms and conditions.

## BACKGROUND IN BRIEF OF YOUR APPOINTMENT

1. It is to be noted that the Marathwada Mitra Mandal's Institute of Technology (MMIT), is located at Lohgaon, Pune is totally non-grantable in nature and as such, it has to sustain on its own resources.
2. While making any recruitment of teaching faculty category, College is under legal compulsion to follow the roster sanctioned by the Savitribai Phule Pune University / Assistant Commissioner B. C. Cell and accordingly, it has to recruit the appropriate candidate of appropriate category that too as approved by the University Selection Committee.
3. However, for the academic year 2022-23, no candidate on the post of Assistant Professor which is reserved for Open / reserved category, has been selected for MMIT till date by the Savitribai Phule Pune University Selection Committee
4. Due to the aforesaid situation, if the recruitment is not made by the MMIT on the post of Assistant professor against the post of Associate Professor / Professor, which is reserved for Open / reserved, not only the college but even the students will also suffer huge irreparable loss and prejudice.
5. Hence, to avoid any such unwarranted situation / loss / prejudice, College is compelled to make your present appointment on fixed term basis i.e. for the academic year 2022-23 and more specifically for the period starting from **04/08/2022 or date of your joining to 25/05/2023** or appointment of suitable candidate by University Selection Committee on this prescribed post / category.
6. If, prior to the tenure mentioned in this Appointment Order, you have worked for the MMIT, your such employment being on the aforesaid background, cannot be treated as a permanent employment and / or you are not entitled to claim any benefit, including the benefit of permanency, out of the same. In short, this order shall supersede all other previous appointment orders, if any, issued to you by the Trust and / or by the College.

## OTHER TERMS AND CONDITIONS OF YOUR EMPLOYMENT SHALL BE AS FOLLOWS.

1. You will be paid gross salary of **Rs. 1,03,516/- (Rs. One lac three thousand five hundred sixteen only)** in the **VIth pay scale of Rs.37400-67000**, Pay in Pay band 37400 + AGP of Rs. 7000/- p.m. in the scale indicated above. You will also get the benefit of the Employees Provident Fund and Miscellaneous provisions Act 1952. Besides this you will not be entitled to any other monetary or otherwise benefits, which are available

Page 1 of 4







# MARATHWADA MITRA MANDAL, PUNE

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Shivajirao D. Ganage, President

Bhausahab G. Jadhav, Exe. President

Kishor H. Mungale, Secretary

to other employee(s) / staff of the College / Trust or would be made available to them in future. The payment of your salary shall be subject to deduction of Income Tax payable in regard with the IT schedule and all other statutory deductions.

2. As mentioned in the background clause herein above, your Appointment on the aforesaid post is made for a fixed Term starting from **04/08/2022 or date of your joining to 25/05/2023**. Thereafter, the same shall stand automatically concluded. In that case, you shall not be entitled to any notice or notice pay in lieu thereof from the College / Trust. Due to this, you shall not be entitled to claim permanency / permanency benefit for yourself from the College / Trust.
3. You are appointed as an Assistant Professor against the vacancy of Professor / Associate Professor in the category of Open / reserved approved by the Savitribai Phule Pune University, in Marathwada Mitra Mandal's Institute of Technology, Lohgaon Pune- 411 047 (MMIT) on full time basis.
4. During the tenure of this appointment, your employment will be governed as per the rules and regulations laid down by the College from time to time.
5. Your appointment is subject to the minimum number of students and the workload prescribed for your aforesaid post also subject to Court case if any. In such case, your appointment will be terminated with immediate effect.
6. Except made admissible expressly in writing, you will not be entitled to get any benefit, which is presently made available and / or will made available in future, to the other permanently employed / similarly place teaching and / or non-teaching employees of the College.
7. You shall produce all the original copies and submit certificate true copies of the relevant testimonials such as School Leaving Certificate, Marksheets, Degree Certificates, Experience Certificate ( if any), Discharge / Relieving Certificate (if applicable), Last pay certificate (if any), Cast and Validity Certificate (if applicable), Non-creamy layer Certificate (if applicable), Change of Name Certificate (if applicable), Two passport size photograph, Copy of PAN Card, Copy of Bank Pass-book etc, at the time of joining to your duties to College / Institute. So also you will have to submit your fitness certificate from the registered medical practitioner within one month from the date of your joining failing which the College shall be free to make adverse inference against you in this regard.
8. The Appointment and continuation of your employment in the College shall be subject to you being physically and mentally fit. As and when required, you shall undergo specific and / or general Medical Examination from the Registered Medical Practitioner, specified by the College in this regard.
9. After joining, you should shift near to the Institute. In case of change in your residential address, during the course of your employment in the College, it will be your duty to intimate the new address in writing, to the Principal within fortnight from such change and shall also ensure to get the said change so recorded in the Personal file.
10. You will have to remain present for all working days as per College timing and work wholeheartedly for the development of the College as per the instructions given to you by any higher Authorities. Due to exigencies of work, you may be required to remain present on any holiday(s), Sunday(s) and even during the period of vacation.
11. You will not accept any contribution and will not associate yourself with any fund raising or collection whether in cash or in any kind, in pursuance or any subject whatsoever, or accept or demand any subscription



12





# MARATHWADA MITRA MANDAL, PUNE

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Bhausaheb G. Jadhav, Exe. President

Kishor H. Mungale, Secretary

contribution, from anyone connected or interested with the College / Institute either as parents, students or guardians.

12. You will neither prepare any book or books or paper including guest papers for the purpose or publications without a prior permission written permission of the Principal of the College nor you will assist anybody either directly or indirectly in the publications of any such books / works, etc.
13. Similarly, you will not canvas for any publication or any publishing house of book seller unless so permitted by the Principal.
14. You will not enter into any monetary transaction with any student or his parents or guardians or otherwise and shall not misuse your positions in whatsoever capacity for personal gains in any manner.
15. You will not practice or incite any student, other employees of the college to practice castes communalism or un-touchability or cause and / or incite to be caused any other person to damage the property of the College or encourage or incite any student, teacher or any member of the staff to behave in a disorderly manner in the premises of the College.
16. You will not accept or permit any member of your family or any other person or representative to accept any gift including free transport, lodging or any other service or any pecuniary advantage / benefit from any student, parent / guardian or any such student or other person with whom you may come into contact by virtue of your employment in the college.
17. You will not conduct or engage yourself in any private Tuition or in Private Coaching classes. If found guilty of this clause, your employment shall be liable to termination forthwith that too without any notice or any pay in lieu thereof.
18. For administrative purpose, your service shall be liable to be transferred from any department or branches and / or from one College to another, being run by Marathwada Mitra Mandal, Pune purely at the sole discretion of Management of College.
19. During the tenure of your present employment, if you choose to resign for whatsoever reason, you will be under legal obligation to give one month's notice in writing to the College or will have to pay one month's salary in lieu thereof. However, it will be the discretion of the College to accept one month's salary as stated herein above and relieve you from the employment or require you to undergo one month's notice period. However, in case of termination of your employment for the appropriate grounds the College will either give you one month's clear notice in writing or will pay you one month' salary in lieu thereof.
20. In case of an illegal and unauthorized absence on the duty for the period of seven or more consecutive days or if you overstay the sanctioned leave, the college shall draw a presumption within its sole discretion that you have no interest to further perform your duties and as such have abandoned the employment on your own accord. Thereafter, your services shall stand automatically concluded. In that case, you shall be liable to pay on month salary to the College in lieu of notice as per Clause No.19 herein above.
21. You will be whole time employee of the College and shall not without the permission of the Management engage yourself in any work profession or employment either honorary or otherwise during the stipulated period of your employment in the College.
22. You will not undertake any testing, consultancy, R&D work without the prior approval of the Management/competent authority.







# MARATHWADA MITRA MANDAL, PUNE

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Shivajirao D. Ganage, President

Bhausahab G. Jadhav, Exe. President

Kishor H. Mungale, Secretary

23. You will not register for any Ph.D./NET/SET/Degree/Diploma/Certificate or other course without the prior permission of the Management/competent authority.
24. You will adhere all the rules and regulations either existing or amended or extended from time to time by the College and shall carry out all the lawful orders / instructions given to you by the College in connection with the day to day discharge of your duties.
25. During the tenure of your appointment under this order, if an appropriate and approved candidate of the said post reserved for **Open / OBC / SC / ST / VJ(A) / NT(B) / NT(C) / NT(D) / PH / Ladies Candidate** Category will be made available by the University Selection Committee; your current appointment will automatically come to an end on joining of such candidate. In that case, no notice or notice pay as contemplated under Clause No. 19 herein above shall be payable to you.
26. It is to be noted that you will be free to appear for interview before the University Selection Committee, if you so desire.

In case, the above terms and condition of your employment are acceptable to you in totally, please return the Copy of this Order after endorsing your signatures on the same in token of your acceptance, and to make commitments to represent yourself for the duty immediately or within 3 days from the receipts thereof.




  
Executive President  
Marathwada Mitra Mandal, Pune

## DECLARATION

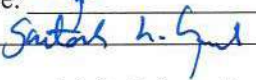
I, the undersigned **Mr. Atul Khatri** have read and understood the background of my appointment and all the terms and conditions, I accept the Appointment with all its terms and conditions mentioned herein above in totally after assimilating them in their proper perspective and undertake to abide to the same.

Place : Pune

Date : \_\_\_\_\_

Witness: 

Signature: \_\_\_\_\_

Name : 


Copy forwarded for information to:

1. The Principal  
Marathwada Mitra Mandal's  
Institute of Technology, Lohgaon  
Pune - 411 047.
2. Service file of **Mr. Atul Khatri**



Signature : 

Name : Dr. A. P. Khatri

*Received and Accepted*  






# Rushikesh Enterprises

[rhushikeshentnsk@gmail.com](mailto:rhushikeshentnsk@gmail.com) Mo No.9890516040

Office Address- flat no A 901, Hari vishwa, s no 290/01 to 04/07, Nashik 422010

DATE - 1/08/2022

TO  
HOD,  
MECHANICAL ENGINEERING DEPARTMENT  
MMIT LOHGAON PUNE 411047

Dear sir,

It is pleasure to inform you that RUSHIKESH ENTERPRISE is giving sponsored project to following students as per details given below.

SR NO	NAME OF STUDENTS	PROJECT TITLE	DURATION
1	Gokul Dhame	ODH Remover menchanism	01 Aug 2022 to 31-Jan-23
2	Samir Mujawar		
3	Naseer husain Tadmod		
4	Avinash More		

Sincerely,



Rushikesh Enterprises  
459/A Plot No 39, Hari vishwa Naga:  
Gangapur, Nashik - 422 010  
Mob : 0-9890516040  
RUSHIKESH ENTERPRISE

prop.

**“Techno-Social Excellence”**

**A**

**Project Report on**

**"Outer Door Handle (ODH) Remover Mechanism."**

**Sponsored by,**

**Rushikesh Enterprises**

**For the Degree of**

**Bachelor of Engineering in Mechanical Engineering**

**By**

**SAMIR IMAM MUJWAR**

**B190590839**

**NASEER HUSAIN MULALI TADMOD**

**B190590861**

**GOKUL ARUN DHAME**

**B190590811**

**AVINASH MARE**

**B190590836**

**Under the Guidance of**

**Prof. N.B.DHAMANE**



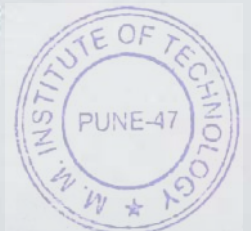
**येथे बहुतांचे हित**

**Department of Mechanical Engineering**

**Marathwada Mitra Mandal's Institute of Technology, Pune-411 047**

**Savitribai Phule Pune University**

**[2022-23]**





## CERTIFICATE

This is to certify that Mr. Samir Mujawar, Mr. Nasser Husain Tadmod, Ms. Gokul Dhame and Mr. Avinash Mare has successfully completed the project report entitled "Outer Door Handle (ODH) Remover Mechanism" under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University at Marathwada Mitra Manda's Institute of Technology, Lohgaon, Pune.

Date:


Place: Pune



Guide

  
Project Coordinator  
External  
H.O.D.

Seal



Principal

# Rushikesh Enterprises

[rhushikeshentnsk@gmail.com](mailto:rhushikeshentnsk@gmail.com) Mo No. 9890516040

Office Address- flat no. A 901, Hari vishwa's no 290/01 to 04/07, Nashik 422010

DATE - 15/05/2023

## Project Completion Certificate

This is certify that following students B. E. ( Mechanical Engineering), from **MMIT Lohagoan, Pune** has successfully done project work title **Outer Door handle (ODH) Remover Mechanism** in our company from **01 Aug 2022 to 15 May 2023** as per part of curriculum.

SR. NO.	Name of Student	Seat No.
1	Gokul Dhame	B190590811
2	Samir Mujawar	B190590839
3	Naseer husain Madmod	B190590861
4	Avinash Mare	B190590836

We have noticed that during the period, They has shown their interest in this project and We have satisfied with their work.



Rushikesh Enterprises  
A-59/A Plot No 89 Dhi Jva Nagar  
Gangapur, Nashik - 422 01  
Mob: 0. 98905 16040  
RUSHIKESH ENTERPRISES

prop.





"Techno - Social Excellence"

# Marathwada Mitramandal's Institute of Technology (MMIT)

Accredited with "A" Grade by NAAC

Survey No. 35, Vadgaon Shinde Road, Lohgaon, Pune - 411 047

Approved by AICTE, New Delhi, Recognised by DTE, M.S. Mumbai, Affiliated to Savitribai Phule Pune University

Email : principal@mmit.edu.in

Website : www.mmit.edu.in

Tel No : +91 7447786623 / +91 7447786624

**DTE Institute Code : 6203**



Ref No: MMIT/Admin/letter/2022-23/ 392

Date: 23/01/2023

To,

ASHOK TYRES,  
KHARADI PUNE

**Subject:** Permission for Internship in your Organization.

Dear Sir,

We have a great pleasure to introduce "Marathwada Mitra Mandal, Pune." At its various educational campuses, the trust has created excellent facilities of education catering the needs of Engineering, Architecture, Interior Design, Management, Law, Commerce and Pharmacy. MMIT, Pune is running the UG courses in the field of Mechanical, Mechatronics, AI&DS, Civil and Computer Engineering affiliated to Savitribai Phule Pune University, Pune.

We are writing this letter to permit the student for Internship in your organization. Moreover, it has been proposed in the curriculum of Savitribai Phule Pune University, Pune to bridge the gap between theoretical and practical knowledge. We expect your extended cooperation for carrying out the project work which encourages the budding Engineers. We assure you that students will follow all rules and regulations of your organization during their Internship.

Name of Student: Pratham Harishchandra Salunkhe

Looking forward for your kind and positive response.

Thanking you in anticipation.

Yours' faithfully

ASHOK TYRES  
*Quick*  
Proprietor

*Dr. R. V. Bhortake*  
Principal

MMIT Lohgaon, Pune

Principal  
Marathwada Mitra Mandal's  
Institute of Technology,  
Lohgaon, Pune-47



*Dr. R. V. Bhortake*



# ASHOK TYRES

Mo. 9822665553  
9822470704

Add.: S. No. 134, Lohegaon, Pune Nagar Road, Near Kharadi  
Jakat Naka, Pune City, Kharadi, Haveli, Pune 411014

**Prop. Ashok Gaikwad** | GST IN : 27AKNPG7085Q1Z7

## INTERNSHIP CERTIFICATE

**Name:-** Mr. Pratham Harishchandra Salunkhe

**College:-** Marathwada Mitramandal's Institute Of Technology Pune

**Department:-** Mechanical Engineering

**Domain of Internship :-** Wheels Alignment and Balancing

**Training date from:-** 25th Jan to 9th Feb 2023

During the period of Training Program at ASHOK TYRES, the Candidate was found punctual, hardworking and inquisitive.

ASHOK TYRES

  
Proprietor

Authorized Signature



*“Techno-Social Excellence”*

## **Marathwada Mitra Mandal's Institute of Technology**

**Lohgaon, Pune- 411047**

**Accredited with ‘A’ Grade by NAAC**

### **Placement Drive Details**

#### **Details of Drive:**

**Day and Date of Drive:** 19/11/2022, Saturday

**Name of Company:** Tata Autocomp Systems

**Address:** Embassy Industrial Park, F Block, Chakan MIDC Area Phase II, Savardari, Pune.

**Contact:** 02066085000, **Email:** [contact@tataautocomp.com](mailto:contact@tataautocomp.com) **Web:** tataautocomp.com

#### **About Company:**

Tata AutoComp Systems Limited (Tata AutoComp) provides products and services to the Indian and Global automotive OEMs as well as Tier 1 suppliers. Tata AutoComp has its own capabilities in Automotive Interior & Exterior Plastics, Composites, Sheet Metal Stampings as well as Engineering and Supply Chain.

Tata AutoComp has nine joint ventures in partnership with leading companies from the global auto component Industry through which it manufactures and markets automotive components and systems like engine cooling solutions, automotive batteries, rear view mirrors, command systems, HVAC, exhaust and emission control systems, seating systems, battery pack, battery cooling systems, battery management systems, motors, controllers, integrated drivetrain (Integrated Motor, Inverter, and Reducer), EV chargers and electronic solutions for passenger and commercial vehicles as well as suspensions for heavy commercial vehicles.

#### **Job Description**

- **Qualification:** BE Mechanical
- **Position:** Trainee Engineer
- **Package:** 2.2 - 2.4 LPA
- **Job Location:** Pune

#### **Phases/Process of Drive:**

**1] Pre Placement Talk**

**2] Aptitude Test**

**3] Technical Interview**

**4] Personal/HR Interview**





## Photos of Drive



## Technologies available at Tata AutoComp - IPD



Technology	Relevant product & application	Remark
In Mould Graining (IMG)	Dashboard, Door, Console for Soft touch	
IMD - Insert Moulding	Dashboard, Door, Console, trims, Hard finish film requirement	
Decojet	Dashboard, Door, Console, trims, softer finish film requirement	
Smart Digital Switch	Dashboard, Door, Console	
Fabric Back Injection Moulding	Door, Trims	
2K Moulding	Soft Felt, haptic, Sealing application	
MFPP for light weighting	Dashboard, Door, Console	
Thin Wall Plastic Trim Design	Dashboard, Door, Console, Trims	
Long Glass Fiber Technology	Bumper support	
Hot foil stamping	Grill, interior decoration	
JIS Assembly Line	Cockpit, Door, Bumper	
Airbag system development and testing	Testing & validation facility	

## Tata AutoComp – Interiors & Plastics Division



### 4 Technology Portfolio



MFPP



Hot Foil stamping



High Gloss As molded Parts



Mold In Color



Injection Molded TPE



Door Capacitive switch



FEM

### 5 Testing and Validation Capabilities



Environment Chamber Testing



Air Bag Deployment Testing



Impact Testing



Durability Testing

Safety / Regulatory Requirement Tests	Vehicle Level Tests	Performance / Reliability Tests	Component Level Tests (In Process / Required)
Passenger air bag Deployment tests (NABL - ISO 9001:2008 accreditation)	Thermal Cycle	All Automotive plastics parts	Structural/Vibration
Flammability	Heat Aging	L.A. Dashboard Assy, Ambient Assy, Glove Box, Door Trim Assy, Console etc.	Thermal
	Resistance To Humidity		Impact
	Dimensional Stability		Sunlight Exposure





## List of Placed Students

1. ATKIRE KAUSTUBH RAJU
2. BABALU ANKUSH MEHER
3. CHANDOLE SWAPNIL SACHIN
4. CHAPALKAR ATHARV ANKUSHRAO
5. CHIKATE ABHISHEK SHARAD
6. CHINCHOLI BHAGESH
7. DHAME GOKUL ARUN
8. DHANDE CHINMAY NARENDRA
9. ETANE ATHARV NILESH
10. HANKARE VARSHIKET SHRINIWAS
11. KOLI VIKAS PUNDLIK
12. LAD ABHISHEK SUDHAKAR
13. MATKAR SAGAR PARMESHWAR
14. NIKAM SHUBHAM NAMDEV
15. RATHOD BIBISHAN GOVIND
16. RUTVIK ANIL MUTKULE
17. SHAIKH IRAPHAN AHAMAD
18. SHINDE MANTHAN ANIL
19. SUTAR AMRUTA BHARAT
20. TADMOD NASSER HUSAIN
21. THAKUR RUDRESH PARESH

  
Training and Placement Cell

